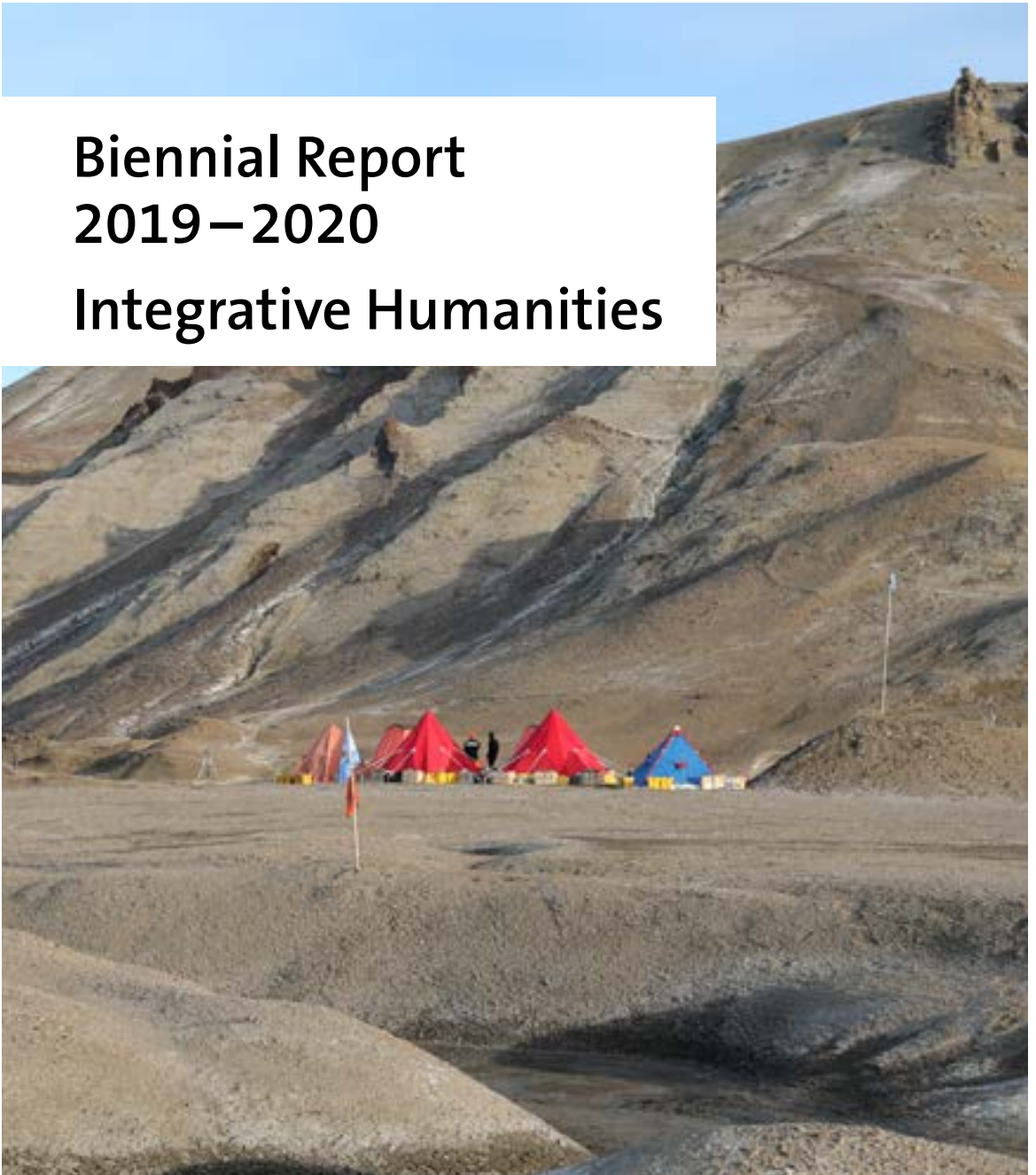




Biennial Report 2019–2020 Integrative Humanities



Division of History of Science, Technology and Environment
with KTH Environmental Humanities Laboratory

**Division of History of Science, Technology and Environment
with KTH Environmental Humanities Laboratory**

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Base camp and the remains of the first Swedish Antarctic Expedition (1901–1903) at Snow Hill island, Antarctica, documented by Swedish-Argentine research expedition CHAQ 2020. Division researchers Kati Lindström and Dag Avango (also at LTU) took part of the expedition. Photo: Kati Lindström.

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Remains of the first Swedish Antarctic Expedition (1901–1903) at Snow Hill island, Antarctica, documented by Swedish-Argentine research expedition CHAQ 2020. Division researchers Kati Lindström and Dag Avango (also at LTU) took part of the expedition. Photo: Kati Lindström.

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Foreword

The Division of History at KTH has published reports since the beginning of the 1990s. Until 2011 they were annual and contained primarily basic information on changes in staff, courses offered, seminars held, and activities by individual members of the Division: publications, conference presentations, PhD degrees. As the Division grew and diversified, we decided to make the reporting present more dimensions and include some reflexivity on our ongoing evolution. We decided that it could be a way of enhancing the collective learning experience: what it means to be part of a scholarly environment and think about how it works and why. It could also help improve the quality of our academic performance, and of the Division as a work place and a community.

It took some time to develop the new concept, so the first report of the new series did not appear until 2015 and covered the years 2012 to 2014. The reports that followed have been biennial, and this one for 2019–2020 is the fourth in this new series. The biennial reports have also been thematized: *Defining Humanities* (2015–2016), *Transformative Humanities* (2017–2018), and now *Integrative Humanities* (2019–2020).

The theme of the current report reflects our thinking around how humanities knowledge is gaining in significance, which is increasingly by engaging in broad and complex problems that require multiple competencies. In the previous decade we started the KTH Environmental Humanities Laboratory, a truly integrative effort which has successfully addressed themes such as urban climate crises, ecologies of waste, and just

transitions. We will continue to combine building strength in our core areas of history – history of science, of technology, and of environment. But we will also continue to populate our research groups and projects with specialists in fields such as anthropology, ecology, film, linguistics, education, STS, literary scholarship, media studies and many others, as our research needs and our innovativeness require. This also applies to our broad networks and collaborations, which reach around the world and include scholars from all sorts of backgrounds, as well as practitioners, stakeholders, and activists.

We also think this is the way to build humanities knowledge at a large technical university: not by cultivating a multitude of small disciplinary units, but as a set of issue-oriented knowledge areas where multiple humanities can thrive.

This report follows our tradition to open up for as many voices as possible. We wish to reflect the diversity of our activities – and the conviviality and satisfaction we find in working on urgent issues in a spirit of responsibility and humanism.

We would like to thank all contributors – of texts, visuals, ideas, editorial assistance, and for sharing updated information. Special thanks go to the members of our editorial support group, Fredrik Bertilsson, Achim Klüppelberg and Klara Müller, and to Klara Müller and Linus Salö for their efforts to assemble and analyze publishing data.

Sofia Jonsson and Sverker Sörlin
Editors



Key Information

The Division

— SABINE HÖHLER

Reporting on a two-year time period is hard when one year so utterly clogs our memories. In retrospect, 2019 was just another busy and successful year for our Division, while 2020 was exceptional. The year 2020 was extremely noisy and incredibly still. Covid colonized not only our lives, it also unsettled the Division's buoyant optimism and familiar work modes. Now, in early 2021, we still have not fully adjusted to the social distance that comes with physical distancing. I read this as a good sign. As humanities and social science scholars, we should be attentive to changing forms and formats of sociality, to our social commons, to possibilities of participation and agency. In 2020, like other work places in the world, we complied with new rules and directives. We tried to attune to makeshift solutions as much as we could. Many of us still feel the burden of the extra work in their bones.

But I dare say we were also curious and creative in transitioning to online meeting formats and familiarizing ourselves with new teaching and learning tools. We experimented successfully with online PhD defenses. And we welcomed the unexpected advantages of connecting to people who had seemed distant but suddenly appeared in our on-distance meetings. Those were not international colleagues only. The Division's colloquium series was never as frequented by visitors from the greater

Stockholm region as in 2020. Our perceptions of proximity were turned upside down. Our traveling went down to zero, as conferences were called off, national borders closed and traveling to places which had seemed near became as elaborate as a nineteenth-century stagecoach journey. Our carbon debts decreased. This trend aligned well with our conscious work on global climate change but had long been foreclosed by our unconscious flying habits.

“In retrospect, 2019 was just another busy and successful year for our Division, while 2020 was exceptional.”

With a heavy heart we moved our own international conference online. “Streams”, our programmatic conference for the Environmental Humanities, took place as a “Streaming Streams”, a short series of online events in August 2020, and I underline short. As digital formats encroached on our analog lives, also our habitual notions of time capsized. While days dragged into months of home office, online meetings requested brevity – not exactly academia’s strength. We might want to use the opportunity to reconsider how we want to work, and

to redefine what “on-site” should mean for us in the future. And we should never get used to a situation which forces us to welcome new colleagues in an online setting. We want to be able again to say farewell to coworkers leaving the Division with a proper fika. We found out that there is no virtual substitute for cake.

All in all, we were lucky. We were even productive. The Division’s publication numbers went up to an all-time high. And for the first time in half a decade we could announce a new faculty position. The assistant professorship in the History of media and environment will contribute to a novel field of research at the Division that builds on our core competencies in the history of science, technology and environment and extends them into media history and theory with a focus on environmental data. We expect this new field to expand our long-standing work on the generation and visualization of environmental data by exploring questions of data access and data ownership that come with new technological infrastructures and actors in the field of environmental AI. It has already attracted quite some attention and possibilities of collaboration in the growing area of digital environmental media. There is a lot to look forward to.



Kick off 2019 Falun Mines. Photo: Sabine Höhler.

Environmental Humanities Laboratory

— MARCO ARMIERO

The EHL is turning ten at the end of 2021. As we know, age is mostly a matter of attitude, although biology and experience do actually make a difference. Is this a time for balance? If balance means to reflect on our history, to thank all the friends we have met, to realize how much we have learned, indeed, this is time for such a balance. But to be ten means also to continue growing, playing, having fun, and looking at the world with curiosity and hope. Turning ten we look at our past with joy and continue to imagine our future.

First of all, we survived. It might seem trivial, after all being alive is not generally seen as a big achievement, but perhaps we should revisit this idea. There are



always so many new initiatives; academia is by definition a place for innovations but sometimes innovations can also fade away, easily replaced by new fashionable trends. Academia can be a quite consumerist place where new ideas are bought and consumed with great voracity. This has not been our case. The EHL has become a structured presence in our division and in the environmental humanities community worldwide. In ten years, we have built our profile as an experimental space dedicated to co-research and outreaching activities, with a clear inclination towards a socially engaged scholarship. At the EHL sustainability rimes with justice; environmental problems are never only environmental and cannot be solved only through technology or expertise; power matters, indeed, and race, class, gender, and histories are not erased under the white blanket of a simplified human and nature narrative.

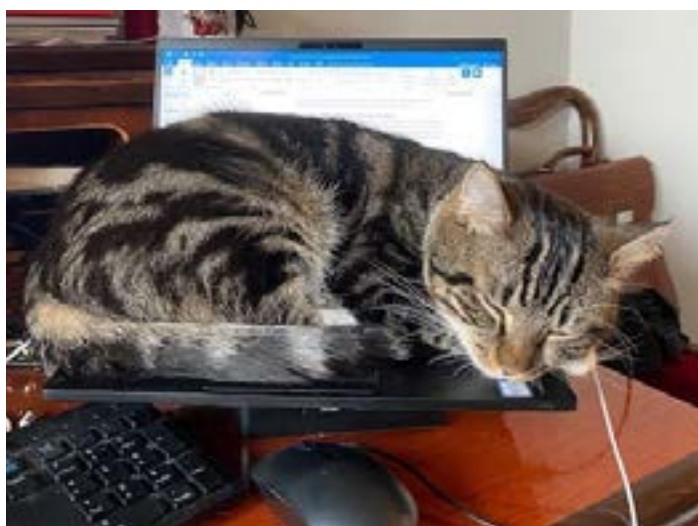
This is what we have accomplished in ten years; indeed, we do have our list of funded projects, publications, events, visiting scholars, but that list cannot offer a sense of ten years of life. What we have accomplished is to build a community of inquiry that goes across any kind of borders. As someone said, what really matters is not where we arrive but the trip to get there. Those ten years have been an exciting trip. The best of my life.



Researcher and coordinator Roberta Biasillo in preparation for a panel on migration at the Crosscuts Filmfestival, 2019.



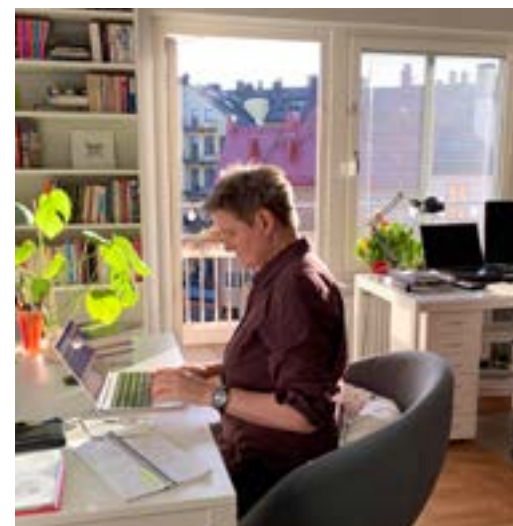
Esther Zamboni Rossi, PhD student at the Universidade Federal de Santa Catarina in Florianopolis and guest at the EHL in 2019, with director Marco Armiero.



Home office in Älvsjö, Ziggy Stardust the Cat.

“To work towards a balance of playfully joining and actively resisting cartoon-motion academia is our aim for the next two years.”

Annual Report
2017–2018



Home office at Södermalm, Sabine Höhler.



Home office in Dehli, Jacob von Heland.

Our Work Environment

— SABINE HÖHLER
SOFIA JONSSON

From two hectic but very exciting years with numerous new projects, employees and events, the pace indeed slowed down somewhat during 2019 at the Division. We continued to fill our calendars with both bigger and smaller events. We also ordered noise-cancelling earphones and started a subscription to plants for our corridors. We stopped expanding and instead settled on a number of around 50 employees, which remained steady through the end of 2020. During this period, we also hired our third administrator, making the admin team complete.

Trying to think back to 2019 during an ongoing pandemic is slightly challenging. We remember that it was the usual busy year full of events and full of the small things we all took for granted then. We started the year with an on-site Higher Seminar with our doctoral student Jean-Sebastiën Boutet,

and we continued with Marco Armiero's Docent lecture. Per Högselius held his inaugural lecture as a new professor in history of technology. These events were likely framed by cake in the kitchen. We also initiated a Thursday afternoon fika, a regular coffee break for the intake of cake and other sweets. Our work environment was very much stomach-steered. Work place meetings would always involve the traditional “fralla” or bun. Our two corridors were filled with employees and guests, we met over a lunch, a coffee and a chat in the kitchen most every workday. Our families joined us for the annual picnic to kick off the summer break. To kick off the fall term, we travelled to Falun and climbed down into the old copper mines. A happy crowd decorated for Christmas before we all sang carols to a nice cup of “glögg” before the Holidays.

Being such a social work place, with a spirit built on collegiality, food, and a friendly atmosphere on site, the pandemic and the new restrictions it entailed were a huge adjustment and a struggle for many of us. In March 2020, new regulations sent us all into home office and our guests were forced to return to their home countries. Our workplace meetings moved to Zoom and the archives around the world were left unexplored. The spontaneous chat over a coffee in the kitchen seemed impossible to replace in the digital space. Some of us ended up in complete lockdown with kids at home, adding Teletubbies to their workday. On top of this, we experienced Zoom fatigue from all our online meetings and we developed a vulture neck after sitting crouched in a bad working position at a temporary desk for far too many hours.

Was it all that bad? No, we did manage to create some great memories together after all. In June we had an open-air party to celebrate Daniele Valisena's PhD defense. In August we had a “hub” kick off, where we met in smaller groups spread out over Stockholm in colleagues' gardens, discussing teaching and work environment both in smaller groups on site and over Zoom. We had a small and spread-out mingle for Jesse Peterson when he defended his PhD thesis in October, with cheese, songs and tears in the kitchen. Not to forget that at long last we could welcome our overseas colleagues to our online Division meetings. In addition, we got to enjoy the unexpected delivery of a piano to the Division in Real Time during a work place meeting!

Undergraduate Teaching

— PER HÖGSELIUS



Teaching. Energy systems in society course held in the reactor hall of the first experimental nuclear reactor R1 at the KTH campus. Photo: Kati Lindström.

The Division of History does not run any educational programme of its own. Our teaching mainly takes the form of courses that are either part of engineering programmes or constitute elective or conditionally elective courses. Roughly half of our students are exchange students or foreign master students.

During 2019 and 2020 the Division offered four first-cycle (basic) and five second-cycle (advanced) courses:

First-cycle course:

- AK1202 History of Science and Technology
- AK1204 Environmental History
- AK1205 Science Goes Fiction
- AK1213 Swedish Society, Industry and Culture in Historical Perspective

Second-cycle courses:

- AK2201 Energy and Geopolitics
- AK2202 Gender and Technology
- AK2207/AK2209 Energy Systems in Society
- AK2210 Political Ecology

Seven of the courses were taught in English and two in Swedish. Most of our staff – senior scholars and PhD students alike – were involved in teaching and course-work in one way or the other. Since 2014 Per Högselius serves as the Division’s director of undergraduate studies.

By far our largest course, in terms of revenue and student numbers, was AK1213 Swedish Society, Culture and Industry in Historical Perspective, a thematically broad course that plays an important KTH-wide role in introducing foreign students to Sweden and Swedish history. Since the autumn term 2020, however, we have lost almost all students in this course as student exchange has come to a halt. Our second-

largest course was AK2207 Energy Systems in Society, which is mandatory in KTH’s Energy and Environment programme. This course continued to be given with similar number of students after the onset of the pandemic.

With the outbreak of the corona pandemic in spring 2020, the division’s teaching activities changed radically from one day to the next, as all planned physical activities had to be moved online. Three factors helped us to come to grips with the new situation:

In contrast to most other KTH departments, we have, for pedagogical reasons, long ago abandoned the classical class-room exam for summative assessment. Summative assessment has, instead, taken the form of essays and online exams, which made us well-prepared for the digital transition.

Our teachers have gone through pedagogical courses and many are since long familiar with various forms of “blended learning” and online teaching. These competencies could now be exploited in full in a new setting.

The teaching staff worked as a coherent collective, everyone helping out wherever possible and generously sharing knowledge and experiences. Teachers showed great flexibility and frequently stepped in to replace colleagues who had fallen ill.

Needless to say, however, the immense efforts needed to keep our courses afloat during the pandemic have also had severely negative effects, notably in the form of elevated levels of stress and inability of teachers to fulfil other obligations – not least research – when teaching had to be prioritized. It is thus fair to say that we have so far managed to ride out the storm, but only at the price of great personal and collective sacrifices and suffering.

PhD Training

— NINA WORMBS

The number of PhD students in our Division is still high with 16 active students at the end of 2020. The large cohort accepted in 2018 is making progress as are those already moving towards finalizing their education. It is with great satisfaction that we can count a 50/50 balance in gender. During 2020 two new students were accepted, Liubov Timonina in the Mistra Sport and Outdoors program, and Klara Müller in the Vinnova-funded Making Universities Matter platform.

During 2019 and 2020 no less than four students defended their theses:

Johan Gärdebo, *Environing Technology: Swedish Satellite Remote Sensing in the Making of Environment 1969 – 2001* (April 2019), Daniele Valisena, *Coal Lives: Italians and the Metabolism of Coal in Wallonia, Belgium, 1945 – 1980* (June 2020), Jesse Peterson, *Excessive Seas: Waste Ecologies of*



Jesse Peterson, Jasmin Höglund Hellgren, Camilla Winqvist, Johan Gärdebo, Gloria Samosir, Roman Khandozhko and Arne Kaijser.

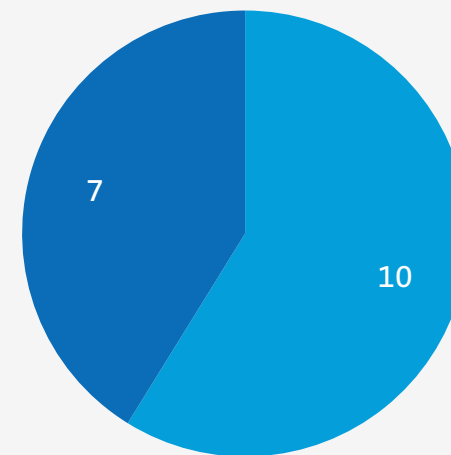
Eutrophication (October 2020), and Jesper Meijling, *Marknadisering: En idé och dess former inom sjukvård och järnväg, 1970 – 2000* (November 2020).

Even though we might accept students in cohorts, they do not finish at the same time. The monograph is still an important publication outlet for our PhD training, much like in most humanities disciplines, but we have seen some compilation theses in the last decade. English is increasingly common, not only because of the international character of our training; also Swedish students more and more often write their dissertations in English. This tendency is most likely connected to the choice of dissertation topics and the ambition to early on be part of an international discussion.

The defenses during 2020 were mainly digital, which was a change for all. To no one's surprise, it turned out that our traditional defenses were dense with small things that were hard to translate to a digital environment. Singing for the new doctor also turned out to be a challenge online. The gain of not having to fly in an opponent and members of the committee is substantial and will most likely remain. We look forward, however, to celebrate our PhDs in a more traditional fashion once the pandemic is over.

Dissertations 2010 – 2020

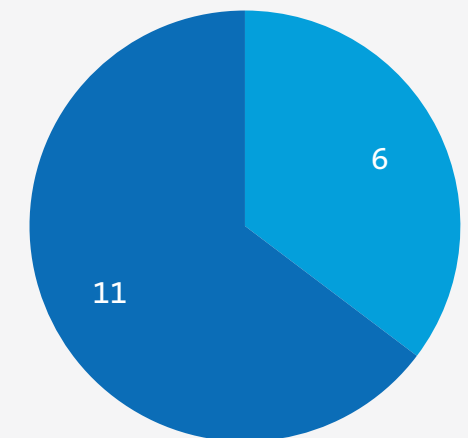
Type of dissertation, 2010 – 2020



● Monograph thesis ● Compilation thesis

Between 2010 and 2020, the Division has published 17 dissertations – ten monographs and seven compilation theses.

Dissertation language, 2010 – 2020



● Swedish ● English

English has been the dominant language with 11 dissertations. The remaining 6 were written in Swedish.

Defenses



Environing Technology: Swedish Satellite Remote Sensing in the Making of Environment 1969–2001

Doctoral student:
Johan Gärdebo

Supervisor:
Nina Wormbs

Time:
Fri 2019-04-05, 13:00

Location:
F3, Lindstedtsvägen 26, KTH

Opponent:
Assoc. Prof. Edward Jones-Imhotep,
York University, Kanada

Members of the Grading Board:
Prof. Deborah Fitzgerald, MIT,
Cambridge, Massachusetts,
USA. Assoc. Prof. Eva Jakobsson,
University of Stavanger, Norway.
PHD, Curator Martin Collins,
Smithsonian Institution, Air and
Space Museum, Washington DC,
USA. Ersättare: Prof. Per Högselius,
KTH.



Excessive Seas: Waste Ecologies of Eutrophication

Doctoral student:
Jesse Peterson

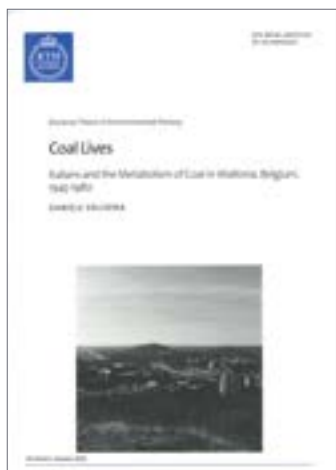
Supervisor:
Sabine Höhler

Time:
Fri 2020-10-16, 13:00

Location:
Zoom

Opponent:
Prof. Catherine (Kate) Rigby, Bath
Spa University, Bath, UK

Members of the Grading Board:
Assoc. Prof. Etienne Benson,
University of Pennsylvania,
Philadelphia, USA. Assoc.
Prof. Heather Anne Swanson,
Aarhus University, Århus, Denmark.
Prof. Leif Dahlberg, KTH. Ersättare:
Prof. Cecilia Åsberg, KTH.



Coal Lives: Italians and the Metabolism of Coal in Wallonia, Belgium, 1945–1980

Doctoral student:
Daniele Valisena

Supervisor:
Marco Armiero

Time:
Tue 2020-06-02, 13:00–16:00

Location:
Zoom

Opponent:
Prof. Don Mitchell, Uppsala
University, Department of Social
and Economic Geography

Members of the Grading Board:
Prof. May-Brith Ohman Nielsen,
University of Agder, Kristiansand,
Norge. Prof. Patrizia Dogliani,
University of Bologna, Bologna,
Italien. Assoc. prof. Andrew
Karvonen, KTH. Ersättare: PhD Kati
Lindström, KTH.



Marknadisering En idé och dess former inom sjukvård och järnväg, 1970–2000

Doctoral student:
Jesper Meijling

Supervisor:
Sverker Sörlin

Time:
Fri 2020-11-20, 13:00

Location:
Zoom and Kollegiesalen,
Brinellvägen 8, KTH.

Opponent:
Assoc. Prof. Per Wisselgren,
Umeå universitet

Members of the Grading Board:
Prof. Lena Andersson-Skog, Umeå
Universitet. Prof. Göran Sundström,
Stockholm University. Prof. Jenny
Andersson, Uppsala University.
Ersättare: Prof. Hans Westlund,
KTH.

Research

— SVERKER SÖRLIN

Research in the Division and the Environmental Humanities Lab is mostly carried out in projects and programs funded by competitive grants from sources in Sweden and internationally. In 2019 and 2020 we conducted fifty research projects of different size and duration (all listed in the Projects section of this report). The largest projects have budgets of more than 3 million Euro and a duration of up to six years. The Division runs no less than three ERC grants (one Advanced, one Consolidator, one Starting), and hosts a Centre of Excellence funded by Nordforsk (Oslo).

Research at the Division and EHL addresses scientific, technological and environmental developments in their social and cultural contexts and impacts in the modern period, with a focus on the 20th and 21st centuries. With a unique combination of strong research cores arranged around broad contemporary questions of human-environment relationships the Division has furthered a broad humanities research agenda for sustainable development. Research approaches are integrative, informed by Science and Technology Studies (STS), political ecology, cultural theory and media studies. Research is cross-disciplinary with a transnational or global historical perspective.

Our research areas change with time and with shifts in funding sources and with research interests in the Division. Still, there is a lot of continuity. Currently we use this ‘taxonomy’ below:

**Environmental Humanities,
Environmental History and Political
Ecologies
Geographies of Heritage and Landscapes
Geopolitics of Science and Resource
Extraction in the Polar Regions
History of Science, Technology and Energy
Knowledge in Society and Policy
Urban Social Ecologies and Infrastructures**

These rubrics capture our rich diversity, but we could also talk of long-standing research lines where we would find energy history and the history of infrastructures, media history, and the history of natural resource use and extractive industries. Cultural/industrial heritage studies and industrial archaeology also have a long tradition. Long continuities can also be noted for research on the polar regions, cities and landscapes, and research policy and innovation. Other areas have shown strong growth in the last five to ten years, most prominently the environmental humanities. Research on Anthropocene history, environmental governance, and the science history and politics of climate change have also grown considerably in the last decade. Vital emerging areas are political ecology, post-humanities, AI and data processing, and visual environmental studies.

Geographically the traditional focus on Sweden, the Nordic countries and the Polar regions have increasingly given way to an interest in regions beyond Europe. Gender and minorities have grown in importance. Migration and cities have been prominent research topics in the EHL.

Despite the diversity there is an unmistakable coherence and identity to our work that may even seem surprising. It is likely linked to the project based funding pattern. In order to stay competitive the Division needs to cultivate research areas of cutting edge expertise and change these only organically and with caution. Still, some change is necessary to stay in the relevance game. The balance is of course delicate. We know that we can produce high quality research under current circumstances. A larger share of core funding would allow for more individual freedom, and certainly less vulnerability. But it would still probably be a good idea to maintain substantial external flows of income to spread risk and conduct continuous experimentation.

Leadership of research projects is distributed on many of our scholars. Typically, in academia it used to be the more senior scholars, in the past mostly men, that received grants and hired PhD students and postdocs. That was the pattern in the Division as well, but it has changed as the volume of external research funds has grown. During 2019 and 2020, no less than 24 members of the Division – 62% of all scholars with PhD degrees – held leadership of one or more research projects, from individual postdoctoral grants over two or three years to large multi-year programs. This share has gone up consistently over a period of many years. Gender balance has improved, too. Of women with PhDs 59% had PI positions, among men with PhDs the share was 64%. The average number of projects per researcher was slightly higher for women (1,35) than for men (1,27).

“We work with research quality and see it as an issue of common concern and not just a matter of individual responsibility.”

The largest projects are still led by men, a pattern strongly related to career seniority.

Generally, it is our impression that the division fares well – in research volume, visibility, and impact from research. We also pay attention to patterns and strategies of publishing to enhance circulation and impact. We work with research quality and see it as an issue of common concern and not just a matter of individual responsibility.

Research output is covered in the publication section of this report. Here it suffices to note that the publishing performance trend has been positive for many years, both in volume and quality and this is also true for 2019 – 2020. (In addition, projected publications for 2021 and 2022, in press, under contract, etc. suggest a continuation of this trend.) The Division did very well in the KTH Research Assessment Exercise in 2008 and in 2012 it was among the highest ranked Divisions in KTH with a triple AAA rating. During 2019 and 2020 we have prepared a new self-evaluation for the next RAE which was postponed due to Covid-19 from 2020 to 2021. This document provides a lot of detail on the research profile and performance of the Division and the EHL. You can find our self-evaluation under the about section at our homepage at <https://www.kth.se/philhist/historia>. Our PhDs and former postdocs tend to get academic positions to a high degree. Individual researchers rank high, too, for example in the Stanford standardized citation metrics ranking (Ioannides et al 2020, <https://doi.org/10.1371/journal.pbio.3000918>).

Funding – and the Integrative Vision

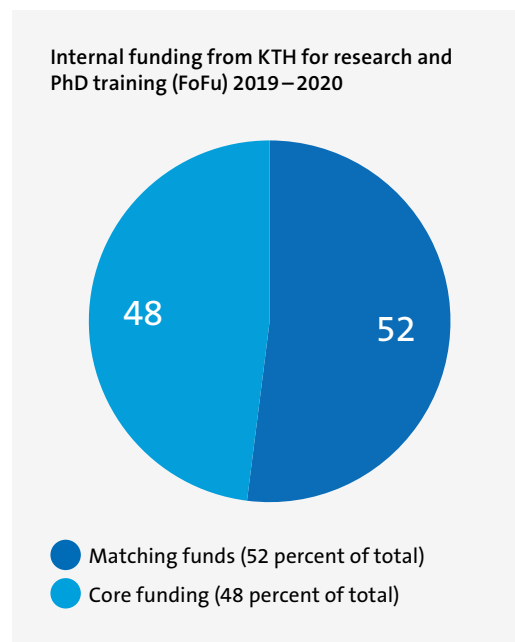
— SVERKER SÖRLIN

The Division, including the EHL, is heavily research oriented. This has always been the case but with the continuous growth of our research activities over many years this emphasis has been even more pronounced. The situation is well illustrated by the adjacent circle diagrams. Not only is the share of the Division's total income that goes to undergraduate teaching very low, only 5% – the Division's core funding for research and research training from KTH is also very low.

Nominally, core funding stands for around 23% of total income during 2019–2020, but more than half of this income is performance based. In reality, therefore, this income comes to the Division as a reward directly linked to the competitive external grants that we earn ourselves, especially the EU grants, and to what these grants do when they fund our PhD students and the research that goes into our publications. Competitive research grants make up 70% of our nominal income but when the performance reward funding is included they represent well above 80%.

This extreme income situation – more like that of a research institute than that of a university with teaching faculty – is on one

side a sign of research strength, creativity, and innovativeness. On the other side, it is an obvious source of vulnerability and a potential lack of internal control of strategic direction.



Dealing with a dilemma

For many years, the Division has worked very actively to deal with this dilemma. Because it is really a dilemma, when you see that you can develop research that is apparently competitive and attractive to funders and to society and can build a vibrant research community with the funding – and when you on the other hand can't do that without increasing vulnerability because core funding does not follow research performance (other than marginally).

“The three major ‘pillars’ we stand on in our version of History – Science, Technology, and Environment – is one way of securing critical mass. Building the Environmental Humanities is another.”

One approach has been to look for more stable income streams, and the large private donation that made it possible to found the EHL was one such element. Another is to

propose courses and master programs that we could teach. KTH has been recommended twice in international evaluations (2008 and 2012) to engage the Division more in the university's teaching obligations. So far, this recommendation is unheeded and Division efforts continue on both fronts.

Another approach that we have taken is to do whatever we can to remain strategic and directional despite the short term-ness of most research grants. To that end, we have tried to cluster research projects and initiatives. The three major ‘pillars’ we stand on in our version of History – Science, Technology, and Environment – is one way of securing critical mass. Building the Environmental Humanities is another.

Integrative humanities

We have also identified research clusters around themes such as heritage studies, critical polar research, political ecology, history of knowledge and research policy, critical media and AI studies, Science and Technology Studies, and energy and infrastructures, to mention a few. These always overlap in interesting ways with the three pillars and with the EHL, but they

can also lead a life partly on their own in emerging knowledge communities.

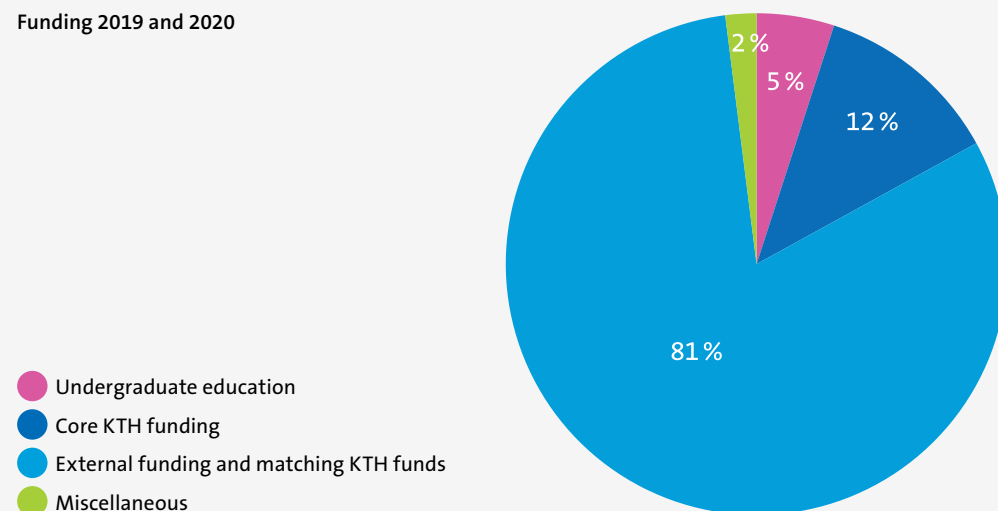
This does not take away the fundamental uncertainty that an 80% competition-based income stream creates in an academic environment, but it has so far helped a lot. We also follow careful and democratically anchored hiring processes, and always think strategically of the Division's needs and completely avoid the favoring of internal candidates.

In reality, this means that we can build interdisciplinary clusters of research that can pursue integrative humanities. First and foremost in the environmental humanities, but to some extent in climate humanities and digital & media humanities as well. This is

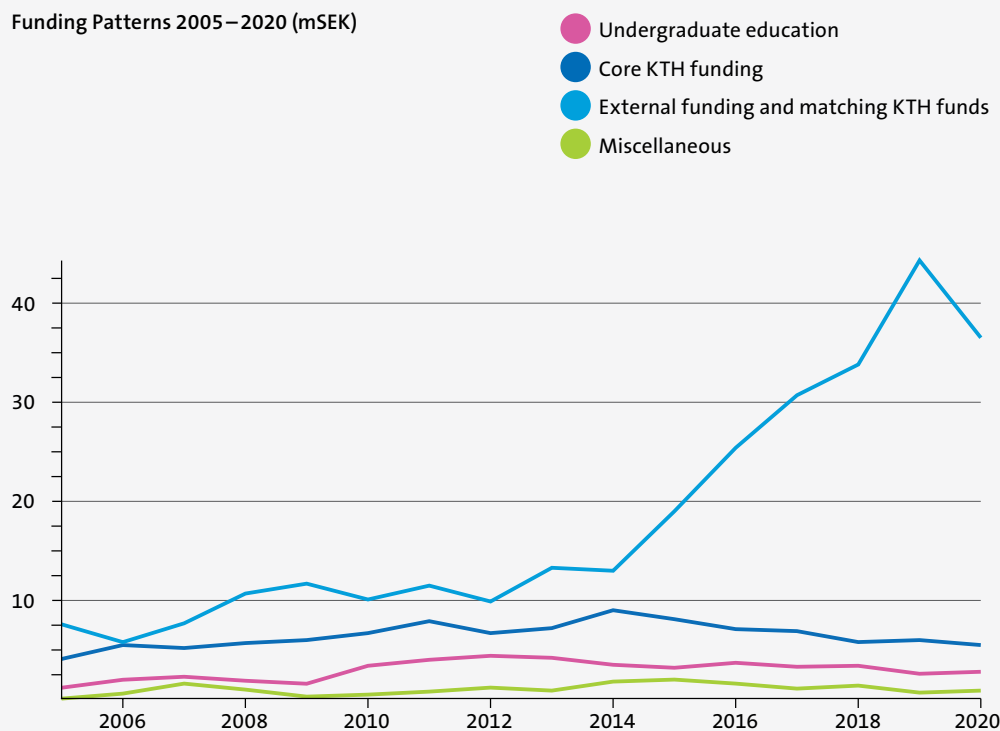
because we can see how this approach leads to productive and innovative research.

It is also, we believe, a way to position ourselves in relation to a future KTH where the humanities, social sciences and arts will figure more prominently, according to the 2018 to 2023 KTH Development Plan. It doesn't seem feasible, nor does it seem very attractive, to build a range of disciplinary, by necessity sub-critical units in the humanities at KTH. What we have built at the Division is of course only a humble beginning but, we think, is already useful and could any day be put to use should KTH wish to make new offers to its students.

Funding 2019 and 2020



Funding Patterns 2005–2020 (mSEK)



Funders

International

- Brock University (CA)
- European Commission/ H2020
- European Research Council (ERC)
- EU Marie Curie PhD Training Network
- Fondazione Lerici (IT)
- MSCA-RISE – Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)
- NIFU – Nordic Institute for Studies in Innovation, Research and Education
- Nordforsk – Nordic Council of Ministers for Education and Research (NO)
- Osher Foundation (US)
- Rachel Carson Centre, Ludwig Maximilians Universität, Munich (DE)

- SSHRC – Social Sciences and Humanities Research Council Canada (CA)

Swedish

- Formas – Swedish Research Council for Environment, Agricultural Sciences and Spatial Planning
- KTH Sustainability
- KK Foundation
- Linköping University
- MISTRA – Foundation for Strategic Environmental Research
- RAÄ – Swedish National Heritage Board
- J. Gustaf Richert Foundation
- RJ – The Swedish Foundation for Humanities and Social Sciences
- Swedish Space Agency (Rymdstyrelsen)

- Sida – Swedish International Development Agency
- Stockholm University
- Swedish Arts Grants Committee
- Swedish Energy Agency (Energimyndigheten)
- Swedish Environmental Protection Agency (Naturvårdsverket)
- Vinnova – Swedish Innovation Agency
- VR – Swedish Research Council
- Knut och Alice Wallenberg Foundation (KAW)
- Marcus och Marianne Wallenberg Foundation (MMW)
- Wenner-Gren Foundations

Trends in Publishing

— KLARA MÜLLER,
LINUS SALÖ
SVERKER SÖRLIN

The following section is dedicated to an analysis of the Division’s publication patterns and is based on information collected from Digitala Vetenskapliga Arkivet, DiVA. The information in DiVA is uploaded by the researchers themselves.

“Scientific publications”, as defined here, are publications registered in DiVA as “refereed” or “other academic”. The category does not include the content-type “other (popular science, discussion, etc.)”. For this year’s report, we have also excluded the subcategories “oral presentation only”, “oral presentation with published abstract”, and posters.

Thus defined, the output of scientific publications in 2019 and 2020 combined is 212. The two dominant publication types are article in journal (102) and chapter in book (61). Together, these two publication types amount to 77 % of all scientific publications. The remaining publication types consist of book reviews (14) and books (9) along with doctoral theses (4), reports (7) and edited collections (8).

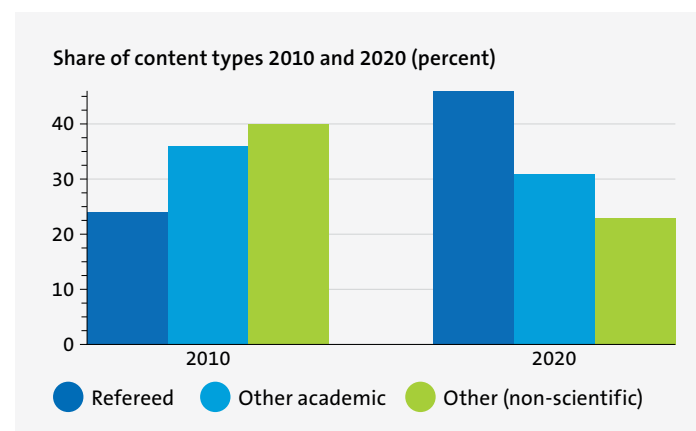
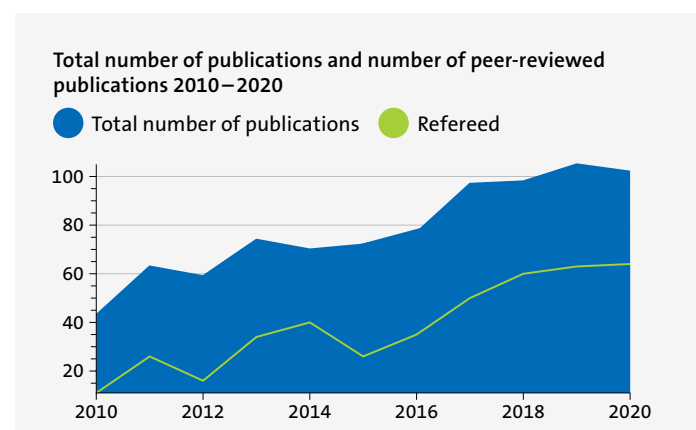
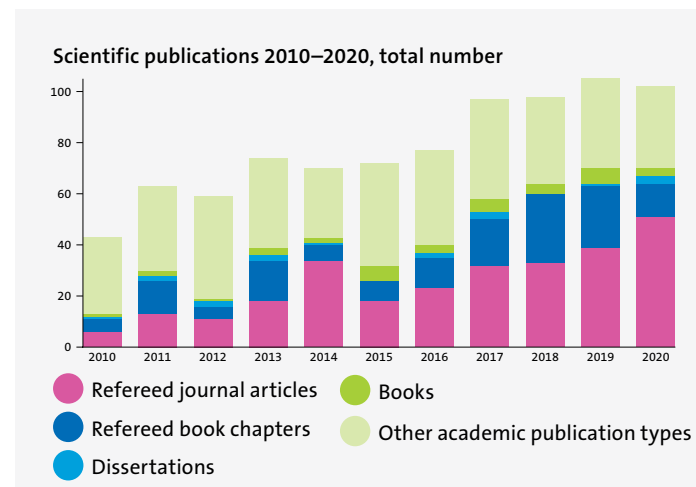
Why should we analyze publication data?

Scholars from a wide range of subjects have criticized the usage of metrics to evaluate research, and this critique has been particularly forceful from scholars active in humanities disciplines. We hope that by compiling publication data from DiVA, we can identify patterns that would not be possible to determine otherwise. This analysis acknowledges certain aspects of the Division’s publication output mediated through visualizations, numbers and charts. We can use the data to identify trends, strengths and weaknesses in publication patterns. But it is, of course, only possible to reflect certain aspects of what the members of the Division have been working on the last couple of years. It also brings up important questions about what we should measure, what this type of analysis of this type of data can tell us, and what research output we should focus on. How much can the Division publish, while maintaining high-quality publications? What is high-quality research, and what can we do to produce that? This analysis will not answer these broad questions, but might instead provoke new insights on what we can use metrics for.

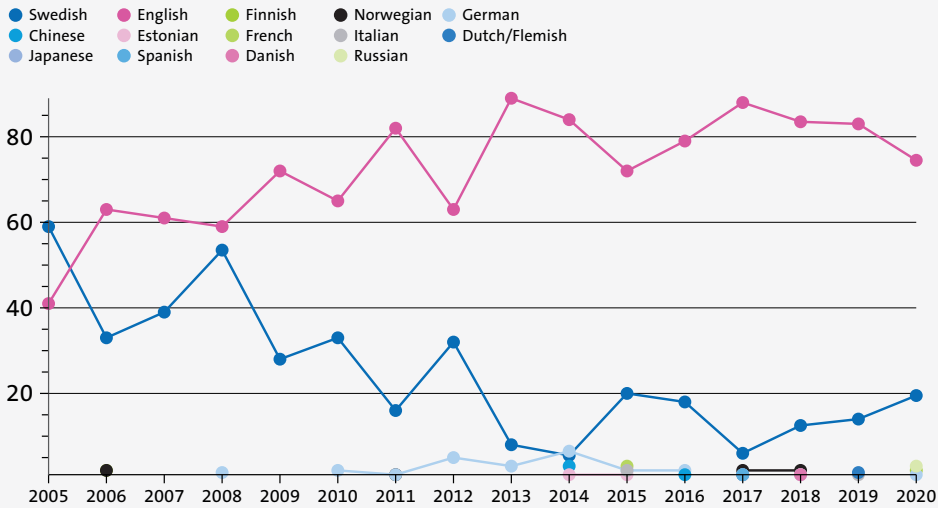
Overall trends 2010 – 2020

Overall, the Division’s publications have seen a stable increase during the last decade. The most prominent category is refereed journal articles, while the output of the other categories (refereed book chapters, books, dissertations, other academic publication types) have been fairly stable. To put this in context, the Division’s research output has grown in a period when such output has in a general decreased in Sweden. According to the latest UKÄ report (February 2021), total publications dropped by 17 %, and in Humanities and Art the decrease has been no less than 23 %. The total number of peer-reviewed articles in the latter category was 1164 in Sweden during 2020.

The 2017 – 2018 Division report identified a salient rise in peer-reviewed publications and publications published in English. These trends are persisting. In 2010, the largest content type was “other”, followed by “other academic” and “refereed”. A decade later, in 2020, the proportions were reversed, with refereed publications being the most numerous and the proportionally largest content type:



Publishing languages 2005–2020, percent of total scientific publications



Publishing languages

Because Swedish is by far the most common language used in output categorized as “other”, the relative share of Swedish-language publications in the Division has dropped from 55% in 2010 to 39% in 2020 when all content types are considered. It follows that this tendency is even stronger when only scientific publications are examined. In 2010, a third of the scientific publications were published in Swedish; in 2020, we are down to a fifth. That said, the trend does not point to a continuous decrease in Swedish-language scientific publications.

Refereed journals 2019–2020

The larger the word, the more frequent it is in the titles of the refereed journals that members of the Division have been publishing in over the last two years. This gives

a hint of the areas of interest of members of the Division.

During the past two years, members of the Division have been publishing in the following outlets:



Peer-reviewed journals

- Ab Imperio: Theory and History of Nationalities and Nationalism in the Post-Soviet Realm
- Ambio: A Journal of Environment and Society
- Annals of the American Association of Geographers
- Body & Society
- Cahiers du Monde Russe
- Cogent Arts and Humanities
- Current Anthropology
- Current Opinion in Environmental Sustainability
- Ecocene: Cappadocia Journal of Environmental Humanities
- Ecology & Society
- Ecology and Evolution
- Energy Policy
- Energy Research & Social Science
- Environment and History
- Environmental History
- Environmental humanities
- Environmental Justice
- Environmental Science and Policy
- Étnograficheskoe Obozrenie
- Fennia: International Journal of Geography
- Fish and Fisheries
- Frontiers in Energy Research
- Geographical Journal
- Global Environment
- Green Letters: Studies in Ecocriticism
- H-Environment Roundtable Reviews
- Historiallinen Aikakauskirja [Historical Journal]
- History and Anthropology
- Humanities
- Industry & Higher Education
- International Journal of Urban and Regional Research
- Journal of Archaeological Method and Theory
- Journal of Environmental Policy & Planning
- Journal of Historical Geography
- Journal of Northern Studies
- Journal of Transport History
- Land Use Policy
- Landscape and Urban Planning
- Landscape Research
- Language in Society
- Leonardo Music Journal
- Media Theory
- Minerva: A Review of Science, Learning and Policy
- Mobilities Journal
- Multilingua: Journal of Cross-cultural and Interlanguage Communication
- Nature
- Nature Climate Change
- Niin & Näin: filosofinen aikakauslehti
- NTM: International Journal of History and Ethics of Natural Sciences, Technology and Medicine
- Polar Geography
- Polar Record
- Popular Communication
- Progress in Planning
- Public History Weekly
- Resilience: A Journal of the Environmental Humanities
- Scandinavian Economic History Review
- Scandinavian Journal of History
- Scientia Canadensis: Canadian Journal of the History of Science, Technology and Medicine
- Sibirskie Istoricheskie Issledovaniia
- Sport in Society: Cultures, Media, Politics, Commerce
- Studies in History and Philosophy of Science
- Sustainability
- Sustainability Science
- Technology and Culture
- Technology in Society
- Tertiary Education and Management
- The Extractive Industries and Society
- Tijdschrift voor Geschiedenis
- Trace: Journal of Writing, Media, Ecology
- Turkish Studies
- Urban Geography
- WIREs [Wiley Interdisciplinary Reviews] Water

Books with the following publishing houses:

- KK-stiftelsen (Stockholm)
- Routledge (3)
- Natur & Kultur (Stockholm)
- Baggrund.com (Copenhagen)
- Ellerströms förlag (Lund, SE)
- Campus Verlag (Frankfurt)
- Bokförlaget Atlas (Stockholm)
- MIT Press (Cambridge, MA)

Chapters in books with the following publishing houses:

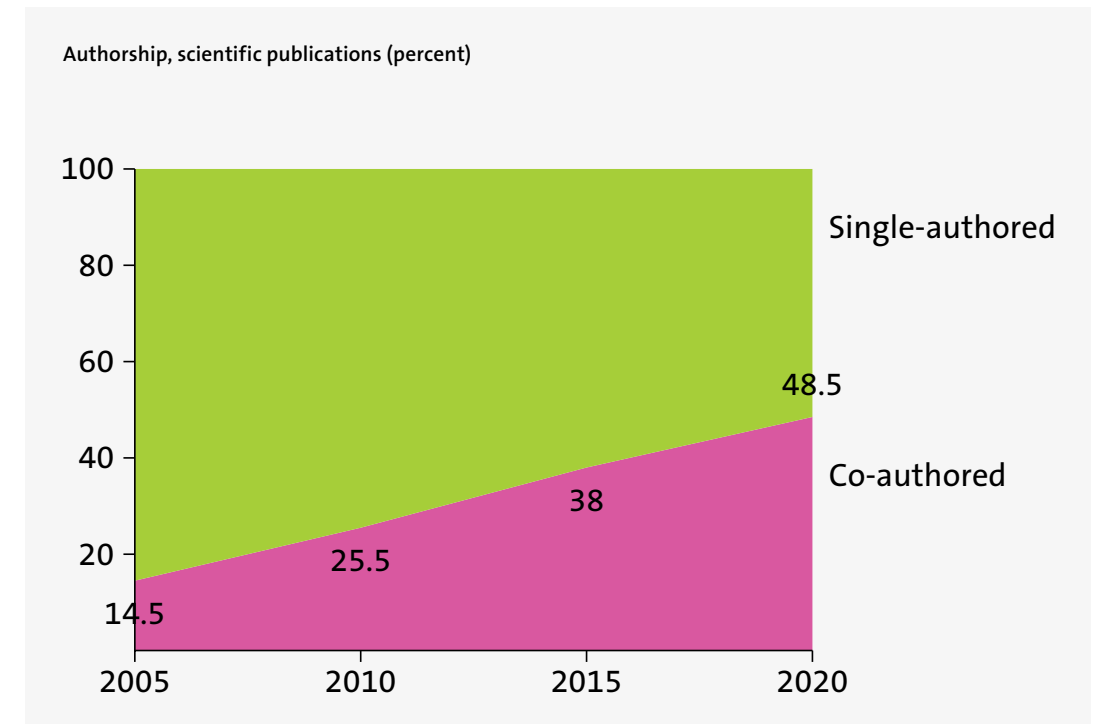
- Aalto ARTS Books (Helsinki) (2)
- Arche Press (Gothenburg)
- Arkiv förlag & tidskrift (Lund) (3)
- Art and Theory Publishing (Stockholm)
- Bentham eBooks
- De Gruyter (Berlin)
- Deutsches Museum Verlag (Munich)
- Dialogos Förlag (Stockholm) (2)
- Föreningen för folkbildningsforskning (Stockholm)
- Gnasso Editore (Aversa, IT)
- John Wiley & Sons
- Jovis Verlag GmbH (Berlin)
- Kungl. Ingenjörsvetenskapssakademien (Stockholm) (3)
- MIT Press (3)
- Natur & Kultur (Stockholm)
- Nordiska museets förlag (Stockholm) (3)
- Open Book Publishers (Cambridge, UK) (5)
- Open Humanities Press (London)
- Palgrave Macmillan (4)
- PM edizioni (Varazze, IT)
- Polaris (Stockholm)
- Regeringskansliet (Stockholm)
- Routledge (22)
- Sage Publications (Los Angeles & London)
- SISU Idrottsböcker (Stockholm)
- Springer Nature (2)
- Tartu University Press (Tartu, FI)
- Taylor & Francis (7)
- The University of Alabama Press

Topics

Keywords corroborate the impression from journal titles that environment is a cross cutting theme in much of the Division's research. The strong social concern is also visible (words such as political, justice, human, labour), along with an interest in urban issues, infrastructures, and energy in various forms. Science and technology also loom large as do gender/feminist, heritage, climate, and the Anthropocene. A significant category is "earth objects" such as sea, earth, air, water. As for geographical spread many regions appear, from the Philippines to the Baltic, but Sweden and Polar/Arctic are the most frequent ones, reflecting major research efforts in these areas. Our two special hubs are reflected in a strong presence of "Environmental Humanities", and "Posthumanities".



The visualization reflects the keywords of the Division's publications 2019 – 2020.



Collaboration

Collaboration in academic publishing is a strong trend. On page 35 we have listed the Division's unique collaboration partners during 2019 and 2020, through co-authorships registered in DiVA. It is possible to identify certain clusters – outside of Sweden, universities in the US and the UK are frequent collaboration partners in our publishing. There are also many collaboration partners in the north – Norway, Iceland, Russia, Canada and Finland.

The rise of our co-authorships reflects, above all, continued internationalization, both of research collaboration and research content. This is in line with a general trend in humanities research in Sweden for more

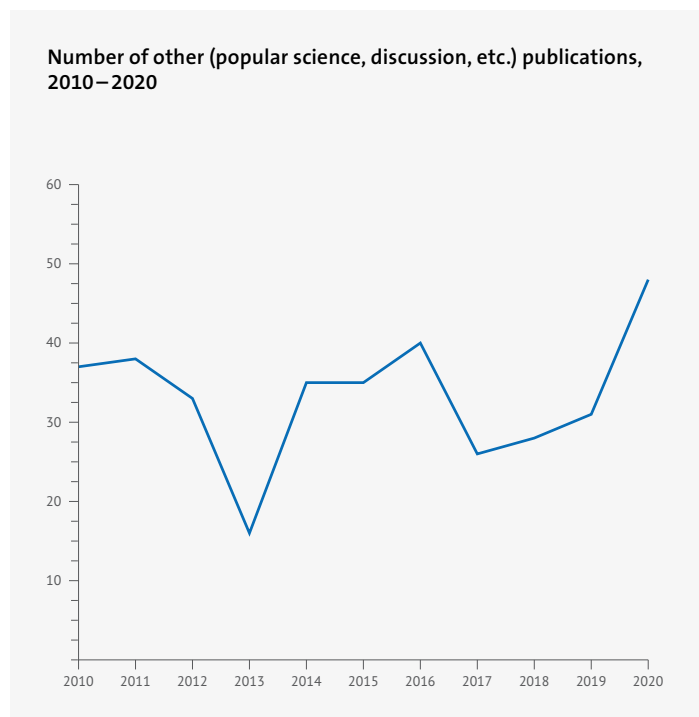
than a decade. According to a report from the research council VR (The Research Barometer 2019, p. 62), the share of Arts and Humanities publications co-authored internationally grew from 18 to 30% from 2007 to 2017. As the figure illustrates the Division has moved in the same direction, only somewhat earlier and in a more pronounced way. In 2020 such publications made up around 50% of our total publications (taking into account that a small handful of the co-authorships are within Sweden). Part of the explanation is probably the relatively high proportion of non-Swedes among our researchers, but our collaboration networks are also important.

Publishing for other audiences

The following category of publications is not included in the analysis of scientific publications, since it is based on what is defined as “other (popular science, discussion, etc.)” in DiVA. This review was made to get a better understanding of how the Division’s publishing engages with audiences outside academia. In 2019 and 2020, members of the Division’s most frequent “non-scientific” publications, were in the newspapers Dagens Nyheter (16) and Svenska Dagbladet (9). The web-based magazine Curie, issued by the Swedish Research Council (Vetenskapsrådet), has also been a dominant outlet for non-scientific publications.

As the word cloud indicates, with newspapers as the dominant outlet, “article in journal” is the most common outlet in the category “other”, with 54 posts. But it is not the only one. There are also “chapter in book” (6) and, again, “other” (16). In this category, we find a mixture of blog posts and other online discussion outlets.

The category “other” has been fairly stable the last decade, except for a dip in 2013 and a rise in 2020. The stability indicates that members of the Division have not published less in non-peer-reviewed outlets, for example, newspapers, due to the rise in refereed

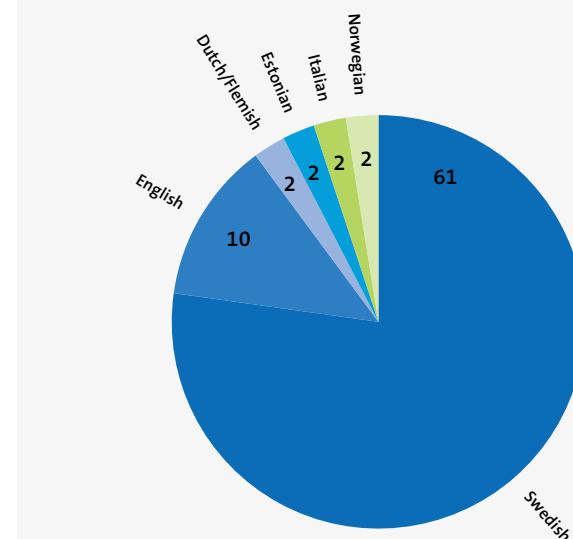


articles and book chapters. We can also identify a notable rise in publications in the category “other” during 2020. A possible explanation of this rise in publications during 2020 might be the Covid-19 pandemic and the need for researchers to engage in public debates, which members of the Division have done with at

least 10 texts reflecting on the crisis.

In the category “other”, Swedish is the dominant language with 61 publications, followed by English with 10 publications. This can be compared to the Division’s scientific publications, where English has been the dominant language of use since 2006.

Publishing languages, other audiences 2019 and 2020 (total number)



Collaboration partners in scientific publishing 2019–2020

- Aalborg University, Denmark
- Arctic Centre, University of Lapland, Finland
- Bjerknes Centre for Climate Research, University of Bergen, Norway
- Centre for Arctic Research and Northern Economies, Russia
- Chalmers University of Technology, Sweden
- Consortium Sustainable Dev Andean Ecoreg CONDESAN, Peru
- Coventry University, UK
- Finnish Meteorological Institute, Finland
- Gothenburg University, Sweden
- Grantham Institute of Climate Change and Environment, UK
- Imperial College London, UK
- Institució Catalana de Recerca i Estudis Avançats (ICREA)
- Institut de Ciència i Tecnologia Ambientals (ICTA – Universitat, Autònoma de Barcelona), Spain
- John Hopkins University, USA
- Linköping University, Sweden
- Lund University, Sweden
- Makerere University, Uganda
- Nordic Institute for Studies in Innovation, Research and Education (NIFU), Norway
- Nordregio, Sweden
- Norsk institutt for kulturminneforskning, Norway
- Peter the Great Museum of Anthropology and Ethnography, Russia
- Scientific Center of Arctic Studies, Russia
- Seton Hall University, USA
- Södertörn University, Sweden

- Stefansson Arctic Institute (SAI), Iceland
- Stockholm International Peace Research Institute, Sweden
- Stockholm University, Sweden
- Swedish Polar Research Secretariat, Sweden
- The University of Manchester, UK
- The University of Massachusetts, Boston, USA
- The University of Notre Dame, USA
- The University of Wisconsin, USA
- Universitat Pompeu Fabra, Spain
- University of Aberdeen, UK
- University of Akureyri, Iceland
- University of Alaska, Fairbanks, USA
- University of Alberta, Canada
- University of California, Berkeley, USA
- University of California, Davis, USA
- University of Cambridge, UK
- University of Cape Town, South Africa
- University of Coimbra, Portugal
- University of Edinburgh, UK
- University of Helsinki, Finland
- University of Hong Kong, HK
- University of Leeds, UK
- University of Oulu, Finland
- University of Saskatchewan, Canada
- University of Tartu, Estonia
- University of Turku, Finland
- University of Umeå, Sweden
- University of Vienna, Austria
- Uppsala University, Sweden
- Wageningen University, Netherlands
- Yale University, USA

Diversity, Concentration, Continuity

— SVERKER SÖRLIN

The publishing pattern of the Division is marked by at the same time diversity, concentration, and continuity.

Diversity has increased for many years. In 2019–2020 members of the Division published articles in no less than 72 peer reviewed journals (for titles, see the table on page 31). This is by far the highest number ever. The majority of these have not been Division outlets before. The long-term growth in diversity is explained chiefly by the Division’s increased membership with a more diverse background, nationally and intellectually, and by our interdisciplinary approach and certainly by a higher number of articles published.

Diversity – number of peer reviewed journals where Division members publish

2019–2020	74
2017–2018	54

At the same time, there is a certain concentration in some journals that have attracted several articles from Division co-workers. Among these are history journals, but also generalist journals in environmental studies, sustainability, and environmental

humanities, along with journals in landscape, urban studies, human geography, and polar humanities.

Concentration – journals with 3 or more Division articles 2017–2020

- Ab Imperio: Theory and History of Nationalities and Nationalism in the Post-Soviet Regime (3)
- Environmental Communication (3)
- Geschichte und Gesellschaft (3)
- Landscape and Urban Planning (3)
- Polar Record (3)
- Progress in Planning (3)
- Resilience: A Journal of the Environmental Humanities (4)
- Scandinavian Economic History Review (3)
- Scandinavian Journal of History (3)

Some journals attract continuous interest in the sense that Division scholars repeatedly return to them over many years. They are favored outlets, not least because they reach out to relevant communities. These journals below have been used over the entire period since our new Division Biennial Report series started, with publications in most years and sometimes several times per year.

Continuity – journals with multiple publications in multiple years, 2012–2020

- Environment and History
- International Journal of Environmental Humanities
- Journal of Historical Geography
- Nature/Nature Climate Change/Nature Ecology and Evolution
- Polar Record
- Research Evaluation
- Technology and Culture

A note on impact

What is the scientific impact of our publishing? This is hard to say. The citation data we have from the KTH Library’s bibliometric unit is based on Web of Science and Scopus. These data cover the humanities poorly, and publications in book format, either monographs, collections or chapters in books hardly at all. Google Scholar data cover the humanities much better and we know from those data that individual members of the Division get a lot of attention for their work. The fact that our publications appear in interdisciplinary journals, some with high impact factor, makes it likely that our work reaches out to a broad and possibly scientific

readership, especially with an environmental and sustainability profile.

Could it be that our wide dispersion across fields makes us less visible in our traditional core communities of historians? Should we target certain history journals more? These are questions to take seriously. We should remember, though, that historians are eclectic and read widely, so many of them will likely find their way to journals in other fields. We do also publish actively in history journals – of the 18 journals cited above as either “concentration” or “continuity”, seven are within some strand of history, and another two are in environmental humanities.

Another way of looking at this issue is to consider absolute numbers. A decade ago, the annual number of peer reviewed journal articles was only about 20% of today’s. So, although there is a diverse publication pattern in 2020, we reach many more historians – plus a lot of other scholars across a wide range of disciplines that read our history articles in other journals where we publish. We also reach our history colleagues through our books and book chapters.

Communicating the Division in the Digital Sphere

— SOFIA JONSSON

How does one communicate a humanities research environment in a university of technology? Well, first of all you are left to your own power of communication. While there are central communicators at the university, they seldom have the possibility to cater to all requests of visibility from the research environment. Much is left to each department to handle – which we do.

I recently compiled the Division's different communication channels and found that we during 2020 communicate externally on nineteen different platforms in the digital sphere. A slight growth since 2019.

The main channel is our webpage at kth.se, which serves as both a source of basic information about us, as well as a regularly updated news section on a roll. However, strict rules and regulations and a not so transparent, jungle-like structure makes our possibilities for full creativity narrow and the web addresses very long. This is the main reason why several projects and events end up with external solutions and their own catchy domains. Here we have, to mention a few, the official STREAMS conference page: meetstreams.com, the CHAQ2020 Antarctic expedition blog and homepage: meltinghistory.org, the home of Crosscuts film festival: crosscuts.se, the ERC project NUCLEARWATERS web space: nuclearwaters.eu, and the SPHERE project's website: spherogovernance.org.

The blog "[Transformative humanities](#)" tells our story with texts from both employees and guests, as well as contributions from Achim Klüppelberg and myself. We took over as editors in 2020 when former editor Jesse Peterson successfully defended his PhD and left the Division for a postdoc at the Swedish University of Agricultural Sciences.

The year 2020 was the start of many new digital communication initiatives at the Division. Researcher and radio host Eric Paglia started up two podcasts "SPHERE – a Podcast on the Evolution of Global Environmental Governance" and "Corona Crisis: Once Upon a Pandemic".

In 2020 we also launched our newsletter, "The Division in brief", issued four times a year to a growing number of subscribers. Just in its first year, 250 persons signed up to get the latest updates from what's going on in our corridors, in the field, and at the home office.

In addition, we have our strongest marketing channels: the growing Environmental Humanities Laboratory on [Facebook](#) and [Twitter](#), which both serve as an open window for anyone to peek into the Lab and the Division. Thanks to these spaces, the flexibility that comes with a digital event and the invention of algorithms, we could reach an amazing 93,000 people with the news of the 2020 Archipelago Lecture, making it into one of our most visited single events so far, with over 500 people streaming it in real time.

Faculty, Staff, and PhD Students 2019 to 2020



TAYANA ARAKCHAA
PhD Anthropology, University of Alaska, Fairbanks, USA, 2018. Postdoc in Environmental Humanities. From Oct 2019.



MARCO ARMIERO
PhD Economic History, University of Bari, Italy, 1996. Director of KTH Environmental Humanities Laboratory Associated Professor in Environmental History.



ERIK ARNOLD
PhD Science Policy and Microeconomics, University of Sussex, 1983. Adjunct Professor of Research Policy. Until December 2019.



DMITRY ARZYUTOV
PhD Student. GRETPOL.



DAG AVANGO
PhD History of Technology, KTH, 2005. Researcher in History of Technology.



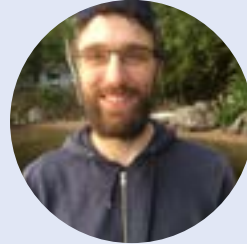
FREDRIK BERTILSSON
PhD History of Ideas, Södertörn University College, 2017. Researcher in Research Policy.



ROBERTA BIASILLO
PhD Early Modern and Modern
European History, University of
Bari, Italy, 2015. Research Engineer.
Until Sept 2020.



ULRIKA BJARE
PhD Student.
Making Universities Matter.



JEAN-SÉBASTIEN BOUTET
PhD Student. REXSAC.



JOHAN GÄRDEBO
PhD Student.
Defended April 5 2019.



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PhD Natural Resource
Management Stockholm
University, 2012. Visual
Environmental Humanities.



JANNA HOLMSTEDT
PhD Fine Arts in Visual Arts Umeå
University and Lund University,
2004. Research Engineer.



KARL BRUNO
PhD Agrarian History, Swedish
University of Agricultural
Sciences, 2016. Postdoc. in History
of Science, Technology and
Environment.



MIYASE CHRISTENSEN
PhD Media and Communication,
University of Texas, Austin,
2003. Professor in Media and
Communication Studies at
Stockholm University. Researcher.



ARAUJO DOMINGOS
PhD Student. Also enrolled at
Universidad Eduardo Mondlane,
Maputo, Mozambique.



JASMINE HÖGLUND HELLGREN
PhD Student. SPHERE.



PER HÖGSELIUS
PhD Innovation Studies, Lund
University, 2005. Professor
in History of Technology and
International Relations. Head of
Undergraduate Studies.



SABINE HÖHLER
PhD History of Science,
Braunschweig University of
Technology, Germany, 1999.
Associate Professor in STS. Head of
Division; Head of Department.



HENRIK ERNSTSON
PhD Systems Ecology, Stockholm
University, 2008. Researcher in
Urban Political Ecology. Until 2020.



SIEGFRIED EVENS
PhD Student. NUCLEAR WATERS.



ALICIA GUTTING
PhD Student. NUCLEAR WATERS.



ERIK ISBERG
PhD Student. SPHERE.



SOFIA JONSSON
Administrative Coordinator/
Communicator.



ARNE KAIJSER
PhD History of Technology,
Linköping University, 1986.
Professor Emeritus in History of
Technology.



ROMAN KANDOZHKO
PhD History, South Federal University, Rostov-on-Don, Russia, 2010. Researcher in History of Science and Technology. From 2019.



TIMOS KARPOUZOGLOU
PhD Research Policy, SPRU at University of Sussex, UK, 2014. Researcher in Resource/Water Management.



ACHIM KLÜPPELBERG
PhD Student. NUCLEAR WATERS.



JESPER MEIJLING
PhD Student.
Defended Nov 20, 2020.



KLARA MÜLLER
PhD Student. From 2021.
Making Universities Matter.



ANNIKA NILSSON
PhD Environmental Science, Linköping University, 2007. Researcher in Environmental politics.



OTSO KORTEKANGAS
PhD History, Stockholm University, 2017. International Postdoc. From 2019



DOMINGOS LANGA
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KATARINA LARSEN
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KATI LINDSTRÖM
PhD Semiotics, University of Tartu, Estonia, 2011. Environmental History and Industrial Heritage.



MARTA MUSSO
PhD Economic History, University of Cambridge, UK, 2016. STAND UP Postdoc in Energy History. From 2020.



LINA RAHM
PhD Didactics, Linköping University, 2017. Ragnar Holm Postdoc. From 2020.



PEDER ROBERTS
PhD History of Science, Stanford University, 2010. Researcher in History of Science.



EMILIA ROLANDER
Administrator.



CORINNA RÖVER
PhD Student. Mistra Sustainable Arctic Futures, Wallenberg Foundations.



LINUS SALÖ
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ADAM WICKBERG
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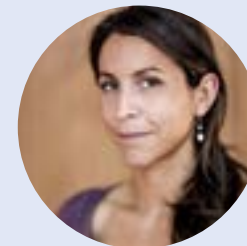
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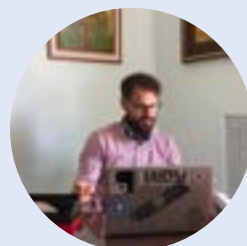
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LIUBOV TIMONINA
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ETHEMCAN TURHAN
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DANIELE VALISENA
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CECILIA ÅSBERG
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IRMA ALLEN PhD Student. ITN Marie Curie.
MATS BENNER PhD Sociology, Lund University, 1997. Guest Professor in Research Policy. Until Jan 2020.
MIIA JYLKKÄ Administrator. From 2020.
TAE HOON KIM PhD History, Cambridge University, UK, 2016. STAND UP Postdoc in Energy History. Until 2020.
JESSE DON PETERSON PhD Student. ITN Marie Curie. Defended October 15 2020.
URBAN LUNDBERG PhD History, Stockholm University, 2003. Researcher in Research Policy.

Co-Workers at the ABE School's Office during 2019–2020

MARINA BOTROS METRY Economist, ABE School's office
SANNA DAFTEKE HR Officer, ABE School's office



General

Higher Seminars at the Division

— KATARINA LARSEN

The higher seminar series at the division reflects the broad range of exciting topics of research. From “A sea change in Environmental humanities” to studies of history of indigenous communities in the Arctic context, nuclear technology, educational imaginaries, science policy studies, health development projects and innovation in Mozambique, and urban water management.

These were just a few of the topics that we had the chance to and discuss during 2019 and 2020. Usually, we have between eight to ten seminars per semester. Adding up the numbers for the past two years, we had about 34 presentations, in addition to a handful of doctoral dissertations and the annual Archipelago lectures.

The higher seminar has a longstanding history at the Division. A text is circulated about a week before the seminar, the author presents for 45 minutes and the next 45 minutes are devoted to discussion. The regular schedule is Mondays 13.15–14.45. The seminar is an institution allowing for scholars at the division to present their ongoing work and also for us all to hear invited speakers. Among presentations we also follow the process that graduate students go through in the program, from presenting the from doctoral plan (the “PhD PM”), through mid-seminar (at 50 %) and the final seminar (80 to 90 %). Both the mid-seminars and final seminar have invited discussants. Moreover, these presentations give a



Photo: Petter Karlberg.

chance for doctoral students in early stages of their PhD-project to “open a window” to see how the final stages of the doctoral projects take shape and allowing for cross-cohort learning for doctoral students.

The seminar series is an open to anyone. The schedule is published online and we frequently have quests in the audience. As organizer of the higher seminars during 2019–2020, I often get comments like “it seems like your colleagues really do show up at your seminars” and “you have some really interesting topics so I would like to hear more about the upcoming seminars”.

During spring 2020, the pandemic turned the higher seminars into an online event, which provided both limitations and opportunities.

More scholars from universities abroad, and in Sweden, have found their way to our higher seminar series. This is reinforcing the idea that the series should be a place to meet and exchange ideas, present arguments, discuss virtues and limitations of different research methods, and constitute a space for scholars to learn across scientific disciplines and thematic areas.

So, we hope to see you, too at the next higher seminar, starting Monday 13.15, Stockholm time!

Warmly,
Katarina Larsen,
Coordinator of the Higher seminar series, 2019–2020
Div. History of Science, Technology and Environment

SPHERE – a Podcast on the Evolution of Global Environmental Governance

— ERIC PAGLIA

SPHERE – a podcast on the evolution of global environmental governance serves as a platform to communicate research from within the SPHERE project, and as a free and widely accessible resource for anyone—academic peers as well as the general public—interested in learning about the historical development of environmental politics and the scientific concepts that structure our understanding of global environmental change. Produced by me, SPHERE researcher Eric Paglia, the podcast is available on most major services such as Spotify and Apple Podcasts.

Each episode centers around in-depth discussions with members of the project team and other experts on various aspects of global environmental governance, ranging from the intellectual history of the environment and sustainability to concepts like Spaceship Earth and Earth system science, and pursuits such as climate negotiations and environmental diplomacy. An additional component of the SPHERE podcast are the oral histories of key actors who contributed to the scientific, social and political processes that have rendered the Earth a governable object and the environment a major international issue over the past half century. Thus, the podcast further represents a kind of living, oral history archive consisting

of first-hand accounts and analyses from participants as well as historians and other scholars specializing in issues of the environment and sustainable development.

Alongside the SPHERE podcast, I am the host of two other podcasts visited by researchers from the Division on several occasions. During my doctoral studies, I became interested in Arctic issues, and with no other podcasts focused on the politics and science of the polar regions, I launched the Polar Geopolitics podcast. Then when the coronavirus struck Sweden in March 2020, I started the podcast *Corona Crisis: Once Upon a Pandemic* as a way to make sense of and engage in real time with what was certain to be a world-changing event. That podcast draws on my previous background in crisis management studies, and centers around interviews with leading scholars and practitioners ranging from political scientists, medical experts and others.

TUNE ME IN ON:

<https://podcasts.apple.com/se/podcast/sphere-podcast-on-evolution-global-environmental-governance/id1539916264>

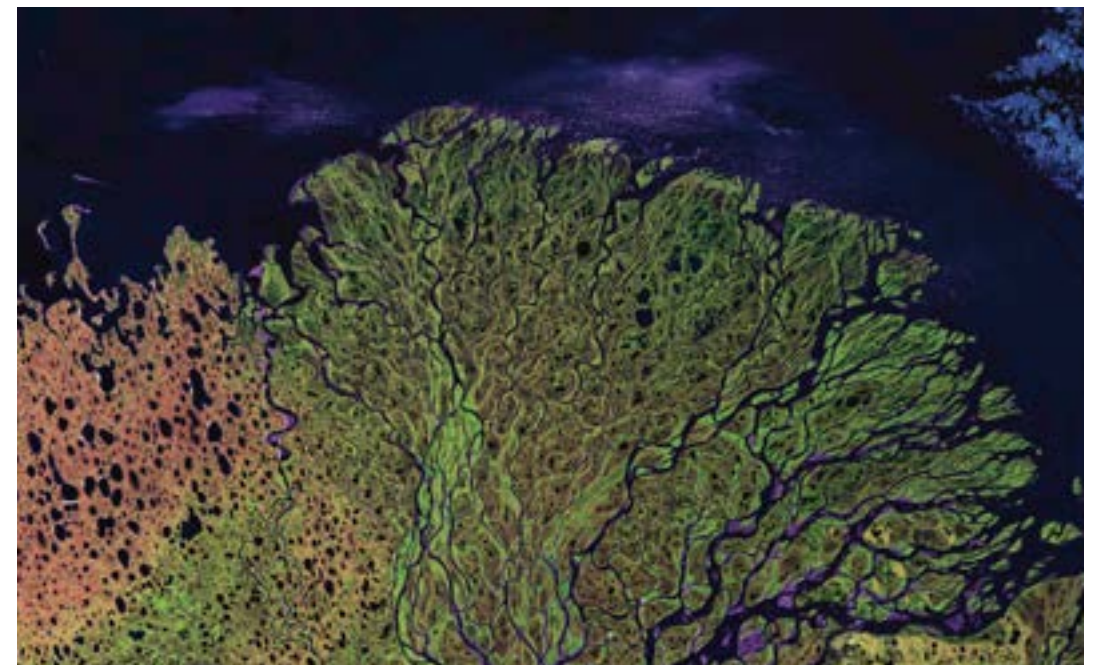
Streaming STREAMS – Conversations on the Environmental Humanities, August 5–7, 2020

— JOHAN GÄRDEBO

In recognition of the critical moment of moving on to a new phase that Environmental Humanities have arrived at after a decade of growth, the Division embarked on hosting the global conference STREAMS. The aim with STREAMS has been to both display ongoing work as well as facilitate conversations where future directions for research and teaching could

be spelled out. When COVID-19 hit, the Division rescheduled the main conference to 2021 while also launching a smaller, digital, version of the conference for August 2020 called Streaming STREAMS.

Attended by over three hundred participants from all over the world, Streaming STREAMS maintained momentum for plans on a global conference of the Environmental Humanities. It included a series of presentations by keynote speakers, such as Dipesh Chakrabarty, James Ogude, and Julie Sze, along with 'trailers' to conversations of the main conference, featuring artists, academics and activists. Streaming STREAMS served as a stress test for digitally migrating conferences in general, and proved the resilience of the Environmental Humanities community in particular, proving the willingness and ability of its practitioners to meet during these trying times.



The picture of STREAMS. Siberia's Lena Delta, NASA, Wikicommons.

Archipelago Lectures no 8 and 9: Two Ways to go Public

— ROBERTA BIASILLO

Reflecting on the formats in which the 2019 and 2020 archipelago lectures were arranged, it is surprising that there has only been a year between them. It is no surprise that when thinking of these events, they are yet another observation on the extant material aspects of our lives have been deeply reshaped during the last months.

On 7 October, 2019, US scholar and public intellectual Nancy Fraser opened the academic year of the EH Lab in a crowded and overbooked auditorium of the ABF Huset in downtown Stockholm with a talk entitled “What should socialism mean in the 21st century? An ecofeminist view”. She expanded on her most relevant essay, *Feminism for the 99 Percent: A Manifesto* (Verso 2019, co-authored with Cinzia Arruzza and Tithi Bhattacharya) and articulated an inclusive, transformative, and global social shift. From unaffordable housing, poverty wages, poor healthcare systems, climate change, border policing to a new society based on eco-feminism able to acknowledge the role of non-human nature and the gendered work of social reproduction. She engaged with the audience and with us well beyond the time of the talk: we all sat and stood together, we ate

next to each other and shook our hands.

One year later, on 25 November 2020, we found ourselves online and it was no coincidence that the talk was on ideas and practices of care, repair and restitution as ways to ensure just living conditions on Earth. Philosopher and political theorist Achille Mbembe’s “Reflections on Planetary Habitability” framed timely and theoretically the fragility of our modern-day human-natural relationships. It addressed the unescapable theme of the pandemic by debating “life futures” and the conditions under which life ends. Mbembe explored the possibilities of a new planetary configuration of the human and the humanities, in light of the resistance to decolonize knowledge or, to quote his recent book, the *Critique of Black Reason* (Duke University Press, 2017).

Environmentalism, feminism and decolonizing actions are three major emerging trends cutting across academia and civil society, challenging their borders and enhancing new systems of knowledge production. Although in different formats, the EH Lab has been honored to participate in those trends and will act in order to “walk those two talks”.



Nancy Fraiser and Marco Armiero at the Archipelago Lecture 2019.
Photo: Jacob von Heland.



Audience at ABF, waiting for the Archipelago Lecture 2019.
Photo: Jacob von Heland.

Crosscuts – Ruptured Times

— SOFIA JONSSON

We were a bit exhausted, but still high enough on the great success of Crosscuts 2018, to already in January set up a plan for a second run of our festival in December 2019. This time we chose to explore the small cracks in time, in-between the past and what is yet to come. With films and discussion on the Anthropocene, social movements and decolonization, post colonialism, gentrification and much more, we investigated these “Ruptured Times” – unaware of that we ourselves were just in the crack of time before a pandemic.

Over the three festival days, some five hundred visitors enjoyed a carefully curated program with films, debates and discussions. We framed the festival together with poetry, starting with a reading by our very own Jesse Peterson, and ending the Sunday with Swedish poet and literature critic Athena Farrokhzad, and her famous poem “Letter to Europe”.

This year two honorary guests were invited. Filmmaker and Professor Trinh T Minh-ha presented a keynote on decolonization and environmental knowledge. Saskia Sassen, professor at Columbia University, presented a session on gentrification with a screening of Push - the Film, by Fredrik Gertten, followed by a panel.

The program included a PhD course on Democratic Practices co-organized by the Situated Ecologies Platform, and the first Swedish retrospective of Trinh T. Minh-ha’s

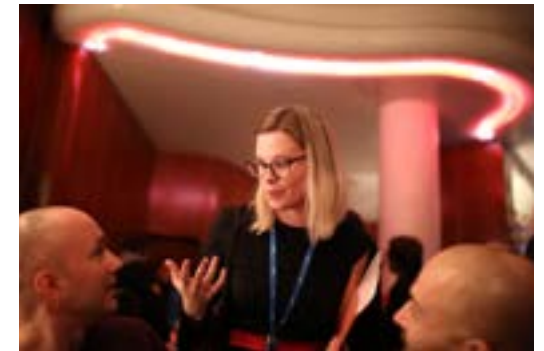


Logo made by Carlos Carmonamedina.

films co-organized with Cinemateket and Filmhuset between 24 – 29 November 2019.

In the festival team this year was festival director Sofia Jonsson, head of programming Jacob von Heland, co-founders and program planners Marco Armiero and Miyase Christensen, and festival coordinator Roberta Biasillo. The festival was made possible with the support of Division PhD student’s Erik Isberg and Alicia Gutting, and Greta Gober from Stockholm University. Thanks to financial support from the ABE School at KTH and the Leading Research Environment Global Media Studies and the Politics of Mediated Communication at Stockholm University, we could make this a great event enjoyed by a diverse crowd of visitors.

“We framed the festival together with poetry, starting with a reading by our very own Jesse Peterson, and ending the Sunday with Swedish poet and literature critic Athena Farrokhzad, and her famous poem ‘Letter to Europe’.”



Sofia Jonsson in discussion with Damir Arsenijevi, University of Tuzla, Bosnia and Herzegovina, before an event at Crosscuts 2019. Photo: Jacob von Heland.



Honorary guest Trinh T. Minh-ha, filmmaker and professor at the University of California, Berkeley, during a master class at Crosscuts 2019. Photo: Jacob von Heland.



Festival co-founders Sofia Jonsson and Marco Armiero at the opening of Crosscuts 2019.

Annals of Crosscuts

— JACOB VON HELAND

In 2018 Crosscuts organised a short film competition with a jury of scholars and filmmakers. For the 2019 edition of Crosscuts, we felt ready to take our engagement with the research film of the environmental humanities one step further by launching Annals of Crosscuts. This festival section would empower and support research-based films by providing blind peer-review, a curated window for public cinema screenings, and a digital publication to allow for sustained visibility, circulation and access to these films as knowledge artifacts.

We launched a call inviting film submissions on the festival's general theme "Ruptured Times". In parallel we began reaching out to the international community to create the editorial board necessary to meet the vision the initiative. The response was better than we had anticipated with more than 30 top abstract submissions for films on the one side, and instant commitments from the invited editors on the other. It was a challenge, but I believe the collaborative process of peer-reviewing the films became an effort true to the set ambitions of the environmental humanities to serve as an integrative, undisciplined and experimental space for intellectual collaboration and advances across media and practices. It was a process between editors, anonymous reviewers, and filmmakers that not only

peered up around filmmaking in academia, but that went beyond the dualistic frames of film and text towards the promise of transmodal scholarship.

The first issue of Annals of Crosscuts on the theme "Ruptured Times" included 11 published films, from 10 countries and 4 continents crossing between anthropology, geography, artistic research, architecture, activism, history, film studies, and science and technology studies. The issue was published as a digital publication on the Crosscuts webpage in March 2021.



Conversation between filmmaker Daniel Oxenhandler from CPH: DOX Academy and Jacob von Heland, chief editor of Crosscuts. Photo: Henrik Ernstson.

How to Occupy Climate Change Research?

— ETHEMCAN TURHAN

Being an early career researcher trying to balance stable job prospects and producing high-quality and interesting research outputs is no small feat. There are numerous pitfalls and risks out there especially when one engages in academia not for namesake but in scholar-activism based in critical social science for solid, societal reasons. After all, for those of us in academia beyond titles and ranks, 'the point is to change it'. This was what I had in mind when I developed the Occupy Climate Change! Project (generously funded by FORMAS, thanks to its open-minded reviewers) together with Marco Armiero, Sverker Sörlin, and our partners from three continents. After three full years with many ups and downs, now I can confidently say that in hindsight, taking the critical perspective was worth all the risk.

Our project, nurtured by the critical edge of KTH Environmental Humanities Laboratory and its collaborators around the world, engaged with multiple societal actors, moved beyond the initial game plan, and led us to new careers. A happy marriage of political ecology with environmental humanities yielded far more than we could have imagined at the beginning of the project. All the way from cli-fi essays by hundreds of students around the world to a very exciting special issue in one of the top humanities

"A happy marriage of political ecology with environmental humanities yielded far more than we could have imagined at the beginning of the project."

journals, from numerous talks on occupying the mainstream climate politics for social justice to a solid, open access contribution to the field of urban climate movements forthcoming from Amsterdam University Press. At the end of it all, academic outputs are the ones that will be remembered less. What will remain with us, however, are the support, solidarity, and kindness of those who crossed our ways during these years. This, in essence, is what we need most to occupy climate change.



The Chinese Connection

— PER HÖGSELIUS

Academia is slow business. It's been nearly a decade since I spent a year in Beijing as a guest researcher, but to some extent that stay is not yet over. One thing that repeatedly struck me in China was that numerous Chinese historians were so interested in Sweden. In particular, they were fascinated by the great scientific achievements of a certain Johan Gunnar Andersson – “Kina-Gunnar”, as he is widely known among Swedes. At that time, I was working together with three colleagues at the Division – Dag Avango, David Nilsson and Hanna Vikström – on a project called “Sweden and the Origins of Global Resource Colonialism” (SWECOL). Together we had already identified a plethora of Swedish resource-colonial activities in different parts of the world, but we had never thought about addressing Swedish colonial-style activities in China. Working on the project, however, while at the same time hearing my Chinese colleagues talk about Andersson, I couldn't help hypothesizing that Andersson's supposedly “pure scientific” contributions to Chinese geology were somehow linked to other, less innocent ambitions.

One of my Chinese colleagues in Beijing, Song Yunwei at Renmin University, suggested that we might actually test the hypothesis by looking into Chinese archival sources. Yunwei, with incredible efficiency, quickly located a number of valuable sources in the Archives of the Chinese Geological

Survey and in collections held by the Renmin University Library. These sources did indicate that Andersson along with several other Swedish geologists, who served as “advisors” to the Chinese government, were eagerly looking for ways to use geological knowledge as a basis for large-scale resource extraction. Yunwei and I felt encouraged to continue our emerging cooperation, and in autumn 2015 she officially joined the SWECOL project and spent several months at the Division.

While in Stockholm we followed up our Chinese archival finds by looking into the Archives of the Swedish Legation in Beijing. To our surprise, these sources indicated that the influential Wallenberg industrial sphere were connected to the Swedish geological activities. Granted permission to use the Wallenberg archives, we were then finally able to show that the Wallenbergs had actually funded Andersson's Chinese research, and that Swedish industrialists, geologists and diplomats had cooperated in a breathtaking – but ultimately failed – effort to take control over Chinese iron ore extraction. This was definitely not “pure science”! Then other things came in between, but when Yunwei once again got the opportunity to visit our Division on a scholarship in 2018 – 2019, we managed to write up the story. In autumn 2020 it was published in the *Scandinavian Economic History Review*. A slow, but rewarding cooperation!

Understanding Local Innovation for the Global Water Goals

— DAVID NILSSON



Prepaid water dispensers often malfunction due to misalignment with local conditions. Mathare Valley, Nairobi, Kenya. Photo: Technical University of Kenya.

African cities are developing rapidly but still millions of people lack safe and adequate water and sanitation services. During 2016 – 2019 we explored how this could change, in a research project called “The role of Local Innovation for a Transformative Shift towards Sustainable Water and Sanitation in African Cities”, funded by the Swedish Research Council FORMAS. The project was led by Associate Professor David Nilsson in close collaboration with researchers at Mälardalen University, Technical University of Kenya, Makerere University in Uganda and the Stockholm International Water Institute.

Provision models based on the historical experience of industrial countries tend to neglect low-income areas as these segments are poorly aligned with dominant design criteria and ideals. Based on case studies in East Africa we suggest that large-scale water utilities can improve provision to low-income marginalised users if they adopt “ambidextrous strategies”, harnessing local innovations and embracing heterogeneity in technology, business models and socio-political conditions. The project also resulted in theoretical contributions. We identify a locus of innovation between infrastructure service providers and users that we call “the critical interface” which needs to be understood to meet the global goals on drinking water and sanitation (SDG6).



The electronic tokens used for payment on prepaid water meters in Nairobi. Photo: David Nilsson.

Publications from this project:

- Nilsson, D and P. Blomkvist (2021). Is the self-read water meter a pro-poor innovation? Evidence from a low-income settlement in Nairobi. *Utilities Policy* (68), <https://doi.org/10.1016/j.jup.2020.101143>.
- Blomkvist, P., Nilsson D., Juma B. and Sitoki L. (2020). Bridging the critical interface: Ambidextrous innovation for water provision in Nairobi’s informal settlements. *Technology in Society* (60), <https://doi.org/10.1016/j.techsoc.2019.101221>.
- Blomkvist, Pär, and David Nilsson (2017). “On the Need for System Alignment in Large Water Infrastructure: Understanding Infrastructure Dynamics in Nairobi, Kenya”, *Water Alternatives*, 10:2, 283 – 302.
- Nilsson, David. (2016) “The Unseeing State: How ideals of modernity have undermined innovation in Africa’s urban water systems”, *NTM Journal for the History of Science, Technology and Medicine*. 2016: 24, pp 481 – 510.
- SIWI Policy brief (2020) “Paving the way for pro-poor and sustainable WASH: The role of local Innovation”. <https://www.siwi.org/publications/paving-the-way-for-pro-poor-and-sustainable-wash-the-role-of-local-innovation/>.

Large Humanities Projects at a Technical University

— PER HÖGSELIUS

One of the main trends at the Division has in recent years been a growth in the number of larger research projects. EU funding, in particular, has allowed us to quickly and radically scale up our research efforts in some of our core areas. In just three years – from 2016 to 2018 – the Division was awarded three large and prestigious ERC grants in (see 2017 – 2018 biannual report) with a total budget of around 75 million SEK. The years 2019 and 2020 has been a period where these three projects have gained momentum in earnest. The projects also allowed us to admit eight new doctoral students, seven of whom started at roughly the same time, thus revitalizing our doctoral education more broadly.

The transition to larger projects brings us closer, or so it might seem, to the traditions of KTH as a technical university, where large-scale funding has often been an important component in various fields of engineering and the natural sciences. Although our historical research does not as a rule require expensive laboratory equipment or the like, our larger projects reinforce and stimulate a trend towards collective efforts and co-authorship on a scale that has earlier been exploited to a very limited extent in the humanities, but which has long dominated research at other KTH departments. Large projects have also markedly boosted our visibility at KTH at large and we see a growing demand for our expertise far beyond the humanities as such.

More intriguingly, the thematic focus of some of our larger projects have profited from and stimulated interaction with other KTH schools. Research within NUCLEARWATERS, for example, an ERC project led by Per Högselius, has evolved in parallel with the emergence of KTH’s Water Centre, which offers immediate opportunities to compare – without leaving campus! – the critically important water supply of nuclear power plants, including the complexity of thermal hydraulic engineering arrangements, with hydraulic engineering and water safety issues as they are being studied in various non-nuclear settings. In the same vein, KTH also boasts leading research in nuclear engineering and reactor physics, whereby NUCLEARWATERS researchers have been able to profit from comments and advice by our “local” KTH nuclear engineers, while at the same time challenging the latter’s perception of their scientific-engineering field. Another aspect that puts our research apart from that carried out at non-technical universities is that we are able to discuss and “test” our tentative research findings through interaction with engineering students. Although we do see it as a big problem that we don’t have many students from humanities or social science programmes – such programmes are non-existent at KTH – this opportunity to interact with students from engineering and natural sciences can stimulate radical new ways of thinking.

Three Years with the Posthumanities Hub

— JANNA HOLMSTEDT,
MARIETTA RADOMSKA
CECILIA ÅSBERG

First of all, it has been a fantastic time at KTH with new and old collaborations across disciplines, paving the way for the reinvented, new humanities of societal relevance. The Posthumanities Hub (PH) has since March 2018 until February 2021 had its main institutional home at KTH, where our founding director Cecilia Åsberg worked as Guest Professor in Science and Technology Studies focusing on Gender and Environment. Dr. Janna Holmstedt, artistic director and coordinator, has worked at KTH as research engineer since May 2019, and co-director Dr. Marietta Radomska has been based at Linköping University and Helsinki University.

As a research group and network of networks for philosophy, arts, and sciences informed by advanced cultural critique and creativity, we host visiting researchers, public events, seminars and symposia. From such collaborative vantage points, we bring science and nonhumans to the humanities, and transformational humanities to the people. The Posthumanities Hub collaborates with other institutions through our research group, visiting scholars, affiliated researchers, advisory board, and international networks. For instance, during these three years we have worked

with Bonniers Konsthall and Färgfabriken in Stockholm, the Rachel Carson Centre for Environment and Society in Munich, Lofoten Art Festival in Norway, the International Science Festival in Göteborg, The Public Art Agency Sweden, the Finnish Bioart Society, and UNESCO World Humanities: Europe, to mention a few.

We have been giving talks, PhD responses, and keynotes, at Swedish and international universities, art events, research conferences, and at the Swedish Radio. We have hosted more than 20 seminars at KTH as part of The Posthumanities Hub Seminar Series, which since 2020 have been taking place online, with the number of participants skyrocketing from 30 to 150.

Marietta Radomska has set up a sub-group of the Posthumanities Hub, focusing on Eco- and Bioart research. Janna Holmstedt has initiated the Humus Economicus Collaboratory, focusing on human-soil relations. Cecilia Åsberg and Hub-researcher Christina Fredengren are finalizing the project Checking in with Deep Time, and Åsberg will explore AI and the Artistic Imaginary with André Holzapfel and Bob Sturm, KTH.

Among the varied activities we have engaged in besides research are:



LIAF, Kelp Curing research strand, foraging excursion med Øyvind Novak Jenssen. Photo by Michael Miller.



Marietta Radomska at /Mis/communication/s/ at the Reactor Hall, KTH, 16 August 2019, curated by Janna Holmstedt. Photo: Jacek Smolicki.

- Open Humanities Lab Symposium: New Humanities and Anthropocene we organized at KTH, with 25 extra-ordinary speakers (2019)
- a mixed and postdisciplinary gathering of artists and researchers on the theme of /Mis/communication/s/ in KTH's Reaktorhallen, curated by Janna Holmstedt on invitation by The Public Art Agency Sweden (2019);
- PH has been a proud partner and participant in The Kelp Congress, Lofoten International Festival (LIAF), NO (2019) and the State of the Art Network, a Nordic-Baltic network of artists, practitioners, researchers, and organizations exploring the role, responsibility, and potential of art and culture in the Anthropocene (2018 – present).
- We've initiated two Formas Communication Projects involving students, in collaboration with Bromma gymnasium, Färgfabriken in Stockholm and Art Lab Gnesta.

Our teaching focuses on gender, environment and sustainability. We were proud to inherit Gender and Technology, a flagship course of the Division that we ran 2019 – 2020 with students doing MAS

in engineering. In 2020 we started up the new PhD course Gender and Sustainability: Introducing Feminist Environmental Humanities with Meike Schalk at KTH School of Architecture, with over 30 participants from many corners of the world. Both courses were very highly rated and appreciated, to the degree of forming new lively phd-networks (Generation for Future Sustainability Network).

Read more about the research group, our companions, seminars, projects and events here:

<http://posthumanities.net/>
<http://www.facebook.com/posthumanitieshub/>

DIRECTOR AND FOUNDER:
Cecilia Åsberg, KTH/LiU.

CO-DIRECTOR:
Marietta Radomska, LiU.

ARTISTIC DIRECTOR AND COORDINATOR:
Janna Holmstedt, KTH.

SENIOR STRATEGIC ADVISOR:
Christina Fredengren, SU.

RAGNAR HOLM POSTDOC:
Lina Rahm, KTH.

Life as a Humanities PhD Student

— ERIK ISBERG

“So you are doing a PhD in history? At KTH? I had no idea you could do that.” Since I began my PhD education at the Division two years ago, this response has been the most common when I tell people about what I do. In a Swedish context, KTH is well known for technical research and engineering education, widely regarded as an excellent institution, yet a bit foreign for those outside the domain of engineering and technology. The humanities, and history specifically, is not often imagined as part of this domain, and would be assumed to belong at Stockholm University, a twenty-minute walk, and one single subway station, north of the KTH campus. At least this was my impression before I got to know the Division and began my PhD. And judging from the response I get from other people when I tell them about what I do, I was not the only one who thought the humanities and KTH did not belong together.

After two years at KTH, the surprised reactions are making less and less sense to me. “Of course you can be a humanities PhD student at KTH”, I want to answer, “the strange thing is rather the assumption that you cannot.” The insistence on the fundamental difference between humanities and the natural sciences, perhaps more

present in Sweden than in other countries, is an ingrained notion hard to get rid of.

“A challenge as a humanities PhD student at a technical university is, I find, to balance between keeping one’s own identity as a humanist and historian while simultaneously remain open to other disciplines and ways of making sense of the world.”

But during my years at KTH, I have grown increasingly convinced in the arbitrariness of this distinction, and how much that could be gained if we let go of the assumption that the humanities are not a natural part of the research environment at a technical university. The questions we, in broad terms, deal with at the Division – What is the relationship between societal and technological change? How do humans and environments relate to one another? How does scientific knowledge operate in society? – are questions that concern the very core of



Bodleian Library, Oxfor. Wikimedia commons.

the work conducted at KTH. This becomes particularly evident when I discuss these matters with engineering students, who are often very engaged and curious about how their work can be understood in a larger context. Even though we have a long way to go before the humanities is a fully integrated part of research and education at KTH, these two years, and the interactions I have had with students, have convinced me that this is a goal worthy of aspiring to.

There are of course large differences too. The Division can at times seem like a tiny humanist satellite floating around in the KTH universe, and the way historians do research is obviously very different from how physicists do their work. A challenge

as a humanities PhD student at a technical university is, I find, to balance between keeping one’s own identity as a humanist and historian while simultaneously remain open to other disciplines and ways of making sense of the world. This will never be easy, but considering the interdisciplinary nature of what we study, staying with the trouble and challenge the boundaries between humanities and the natural sciences will remain a vital task. I hope that the next generation of humanities PhD students at KTH will meet a less surprised response when they tell people what they do. Perhaps it could go something like this: “How exciting that you are getting a PhD in history! You are at KTH then, I assume?”

CHAQ2020: Expedition to the Continent of Ice and Science

— KATI LINDSTRÖM

It is seldom that a humanities department organizes a research expedition to Antarctica, the continent of hard science and ice. In fact, the last time a division researcher pulled it off was in 2010 when Dag Avango took a sailing boat down to old Antarctic whaling and sealing sites. In 2020, the time was ripe for a new expedition – and CHAQ 2020 was organized by Dag and Lize-Marié van der Watt, the PI for the Swedish Research Council financed project To Create Cultural Heritage in Antarctica (CHAQ). The purpose of CHAQ2020 was to observe the heritage-making processes around the Antarctic Treaty Historic Sites and Monuments, to document the conservation status of the Swedish-Argentinian heritage sites, and make them remotely accessible through digital representations.

In the end of December 2019, Dag Avango and Kati Lindström commenced their journey to the remains of the 1901–1903 Swedish Antarctic expedition, led by Otto Nordenskjöld. The flight down from Buenos Aires was delayed for a week by high temperatures and a muddy landing strip at the Argentine Marambio base. Relatively warm temperatures followed the expedition team throughout – at the same time clearly showcasing the dangers that climate change poses to heritage sites in Antarctica. The first two weeks were spent camping at Snow Hill island where Nordenskjöld’s wooden overwintering station stands. While the team was busy measuring, documenting and

conserving, the erosion from meltwaters was slowly chipping away the moraine mounds that the heritage stands on. Next stops – a stone hut at Esperanza Base, remains of a depot in Penguin Bay and Larsen’s Cairn on Seymour/Marambio island offered similar experiences of warming climate with two new heat records beaten during our stay. Curious readers can check out our website at www.meltinghistory.org for more stories.

“CHAQ2020 expedition is a prime example of how humanities can make a larger transformative impact in the society.”

CHAQ2020 expedition is a prime example of how humanities can make a larger transformative impact in the society. Sweden is a consultative member of the Antarctic Treaty and has an obligation to maintain the Nordenskjöld sites together with Argentina. The expedition that was led by Pablo Fontana from the Argentine Antarctic Institute (AAI-DNA) and Dag Avango, materialised as a result of high-level cooperation between Argentine National Antarctic Directorate, KTH, Swedish Polar Research Secretariat, Swedish National Heritage Board, Luleå Technical University and Gothenburg University. Thus, CHAQ2020 contributes directly to future preservation

of the Swedish-Argentine heritage sites in Antarctica, under the auspices of the Antarctic Treaty. However, the expedition has even had a wider societal impact with a series of media coverage featuring the team members, not the least Dag’s appearances on Swedish national television and radio, Gunnar Almevik’s talks in the Swedish Heritage Board’s podcasts and Kati’s broadcasting from the world’s most austral public radio station at the Esperanza Base. Kati and Lize-Marié contributed with several placards to the permanent exhibition of the Museum at Esperanza Base, raising awareness about Nordenskjöld’s expedition and Antarctic Treaty historical monuments among the visiting tourists and base personnel. The portal built by Jonathan Westin at <https://antarctica.dh.gu.se/> makes it possible for all aficionados to visit the Nordenskjöld sites with a mouse click.



Members of CHAQ 2020, Swedish-Argentine expedition to their joint Antarctic heritage sites, hand over display panels to the Antarctic Museum at Esperanza Base, written and designed by division researchers Kati Lindström and Lize-Marié van der Watt, in collaboration with Pablo Fontana, Andrés Zakrajsek, Matías Belinco and Cristian Ortiz-Villalón. Photo: Daniel Mansilla.



Remains of the first Swedish Antarctic Expedition (1901–1903) at Snow Hill island, Antarctica, documented by Swedish-Argentine research expedition CHAQ 2020. Division researchers Kati Lindström and Dag Avango (also at LTU) took part of the expedition. Photo: Kati Lindström.



Integrative Humanities

Integrative Humanities Crisis Research

— FREDRIK BERTILSSON

The humanities are becoming an increasingly influential actor in academic research, public policy and expertise that seek new and innovative ways of responding to contemporary challenges and civil contingencies. Humanities scholarship is significant in explaining present developments and for informing expertise and policy for the future. This change in the recent decades emphasized the lack of public influence and funding for research and education.

In many parts of the world, extreme weather such as drought, floods, forest fires and wildfires, sometimes reaching the scale of mega-fires, are serious threats. They are commonly viewed as extreme occurrences that go far beyond normal experience and human control. Recent extreme weather events have pointed out insufficiencies in a largely dominating “success story” of modern Sweden and its institutions. This story included adequate protection of humans, animals and property, purposeful insurance, and a fair distribution of responsibility between the public and government.

According to one line of inquiry, these events have become “extreme” in Sweden in relation to a “modernist” narrative that is stressing improved human control and risk management. This modernist ideal of domesticated or sharply reduced risk is based on the notion of continuous

“This modernist ideal of domesticated or sharply reduced risk is based on the notion of continuous progress and the benefits of modern technology and cumulative knowledge.”

progress and the benefits of modern technology and cumulative knowledge. Above all, it implies a general marginalization of weather-related crises and disasters as ‘things of the past’. It seems questionable if this modernist narrative can serve as a guide for the future. Indeed, historical explorations of emergency services and the focus in many countries on eliminating and suppressing – “fighting” – wildfire has showed that these strategies have instead led to increased damage.

The present experiences and future prognoses motivate further explorations about what knowledge base is needed for building safe, resilient and sustainable societies for the future. In turn, this requires a clear view of the knowledge structures that are now active and how they have emerged – a task for historical inquiry. Historical and in broader terms humanities research on crisis sheds light on the processes through which concepts such as extreme weather-related occurrences are becoming part of the contemporary discourse. This includes the political, epistemological, and existential uncertainty that is permeating the discourse of the environment and climate change. This integrative humanities research may inform the efforts of developing innovative research infrastructures, protocols for knowledge transfer and research application, policy making, problem formulation, goal setting and ways of conceptualizing results and impact in dealing with present concerns.

Digital Teaching in Times of Crises

— KATI LINDSTRÖM

Many manuals on digital teaching start with a warning: do not expect to save time. Bringing your courses online will give you new possibilities, but it will also take more time and effort. Crisis editions would need to add: if you need to take your course online overnight because of a pandemic, do not expect to sleep, eat or do research until the course is over.

When COVID-19 swept over Stockholm in March 2020, KTH took its time to digest the consequences for teaching. The decision to allow the courses go online was taken on the afternoon before the first class of my History of Science and Technology course. Luckily, I was familiar with digital learning and after a night of work, the first video lectures were uploaded. The new course memo was packed with technical solutions to all imaginable problems that may ensue when all Scandinavian universities start to use the same platforms simultaneously. We were fortunate not to need any of these – Canvas and Zoom delivered; but technical issues abounded nevertheless. I was struggling to render my voiced Powerpoints into videos and running screen capture softwares. The computer was short of memory and sounded like a military airplane but I had no time to empty the disk when frantically preparing for the next class. Only teaching mothers can understand the depths of my despair when I had been recording a 30-minute lecture for the third time and kids decided to break in through the door as zombies. I managed to get a different type of technical error for every class!

By autumn, we were better prepared. The teaching teams for the Division’s two biggest courses did not share the school’s optimism and decided to take our courses online proactively. Because, you see, where there is digital teaching, there should ideally also be digital learning. Attending a 90-minute Zoom lecture is not exactly good learning: there are no learning communities, no reciprocity, no check-points, no dynamics that would keep the students awake. I did one live Zoom-lecture to my Energy Systems and Society students and speaking to 90 muted black boxes is one of my weirdest teaching experiences.

Thus, the courses had to be restructured keeping in mind the digital attention span; assignments and learning activities needed to provide quick feedback, the contents and activities could not be monotonous, discussion groups needed to create safe interaction spaces, and the teachers had to survive. The last one was a challenge. The more assignments, the better you can follow the learning process, but the more work for the teacher. We used external tools such as Nearpod for variation, which brought extra administration. By autumn, the students had become used to online learning and were less forgiving, while many of them were at the same time more anxious and in need of reassurance.

The good news: both us and the students survived! The grades were good. And when resting my aching shoulder and wrist after all clicking, I could even eat and sleep.

Water Infrastructure in Times of Crisis: Time to Rethink the Narrative?

— TIMOS KARPOUZOGLOU
DAVID NILSSON
KATARINA LARSEN

Critical water infrastructures around the world (for drinking water and wastewater collection) have been organized around a modern infrastructure ideal that presupposes universal and centrally planned infrastructure. This means that this ideal has resulted in tightly coupled sewer and water supply networks that are organized and controlled by a few state actors such as city-level water companies.

If we turn to a city like Stockholm today, we see that the majority of residents receive their water from Lake Mälaren, but only because of a handful of three major drinking water producers and distributors, Stockholm Vatten och Avfall (SVOA), Norrvatten, and Telge Nät take their water from there.

What we see today however is an increasing questioning of this feeling of control over water services that has been sustained by a small network of actors for a long time. Paradoxically, the same forms of crises centered on the ongoing Covid-19 pandemic, climate change and growing inequalities, causing today much devastation, are also creating new narratives of water infrastructure. For example, a crisis triggers new thinking around aspects of water that

have been scarcely explored until now. Such as understanding the importance of water infrastructure for living beings (other than humans). On the other hand, the crisis also inspires more local solutions and ideas.

“What we see today however is an increasing questioning of this feeling of control over water services that has been sustained by a small network of actors for a long time.”

We begin to see the emergence of smaller networks of actors taking ownership of infrastructure through mini-water grids that are tailored to local needs and are premised on greater citizen engagement. In an ongoing RJ-funded project we are interested precisely in how contemporary crises spark new ideas about how water infrastructure can be narrated in ways it has not for at least a century. To support our endeavors we find that the arts and the humanities can help us rethink the narrative.

As part of the project, different narratives of scarcity (or excess) of water as a resource will also be illustrated through a section on water in an art exhibition “Symbiosis” planned for 2021. Art installations are co-produced in collaboration with artist and the art institution Färgfabriken in south of Stockholm. The relation between science and art has a longstanding history. The collaborative efforts during 2019 – 2020 are triggering new questions such as: How can the narratives of water be given a voice? What can we learn from collaborative processes between researchers and artists and how can such collaboration highlight new opportunities and challenges for future water infrastructure?



Water supplied by water cart pushers in Kayole-Soweto, a low-income settlement located in Nairobi, Kenya. Photo: Timos Karpouzoglou.



A section of an informal piped water supply network made in Rwata, a peri-urban village on the outskirts of Delhi, India. Photo: Timos Karpouzoglou.

A Journey Towards Internationalization with Reduced Mobility

— NINA WORMBS

“We are actually more credible if we walk the talk. Climate researchers, flying more than the average scholar, undermine the message of a burning planet.”

The Division has been internationalized from the very start. Perhaps this had to do at least partly with the fact that History of technology and History of science were small academic subjects and therefore internationalization was needed to find colleagues to speak to and find out what was high quality. I was early on taught to go on international conferences, we had frequent visitors from abroad and arranged for PhD exchanges.

Over time this internationalization has increased, most notably in our publication pattern, where the traditional book in Swedish has been replaced by journal articles in English. However, we have also increased our international travel substantially. In this we are no exceptions. Academic travel has,

alongside air travel in general, increased enormously the last decades. We attend more conferences, visit archives in other countries than Sweden, and take part in research projects with international partners. This increase in emissions cannot continue. Just as society as a whole, we need to change. The quickest way is in fact to reduce air travel, primarily long-distance.

This is no easy thing and will demand sacrifices. Even though the super mobility is recent, many have quickly grown accustomed to it and even believe it is intrinsically tied to quality, something hard to establish in any easy way. Moreover, many enjoy travelling and find that the exchanges make us better, enable collaboration and offer a welcome change to the daily routine. But the pandemic

has showed that some of our exchanges can take place without extensive travel. Some of the arguments for moving about are now challenged, whereas other remain. The assessments of what counts as a “necessary” trip are bound to be re-evaluated together with the development of digital meeting tools. Blended meeting formats will emerge and fly-in-fly-out visits limited.

This shift is necessary, but will most likely also serve the academic community well. We are actually more credible if we walk the talk. Climate researchers, flying more than the average scholar, undermine the message of a burning planet. But a different travel pattern might also take some stress off the increasingly hectic life in academia. Slow travel and more time away, when away, will

allow for other kinds of meetings.

Nobody is suggesting that we stop mobility altogether. But we need to seriously lower our climate impact, and at the same time enable research, networking and dissemination. The Division has fostered a discussion on this the last few years (see the Travelling Scientist Blog: <https://www.kth.se/blogs/travellingscientist/>) and we continue to do so and also move from data to practise. A justice perspective is necessary, however, as always, the issue of who to compare with is key.

The first step is that we follow KTH aims and reduce by ca 10 % annually. In 2020 we managed. Will we be as successful in 2021 and 2022?



Photo and collage by Nina Wormbs, on the train to Tensions of Europe in Luxembourg, the summer of 2019.

Organizing my Doctoral Defense During the COVID19 Pandemic

— DANIELE VALISENA

Space still matters. This is what I learnt in the past year of remote working from Italy as a doctoral student in a Stockholm-based university and with a research project on Belgian coal mining. Until March 2020, when things got crazy in Italy and in the rest of Europe, I had never perceived as a problem the fact that I was working on my thesis at some 3,000 km away from my host institution. Planes, trains, cars...until then, I only needed to allocate a few days to come back to Stockholm if I needed to sign a contract, teach a class, attend to important events or just say hi to my colleagues and friends at the Division. But from March 2020 onwards, even a simple task like going out for grocery shopping turned into a sneaky war-like endeavor in my home country, with the army patrolling the streets, checkpoints on every main road and train stations, and all means of transport cut between one city to another. All of a sudden, Sweden became far away.

The fact that the situation, or at least the regulation concerning the pandemic were very different from the country where I was living in and Sweden contributed in complicating things even more. Luckily for me, I could count on the inestimable help of my supervisor Marco Armiero and, when he felt sick, of my second supervisor

Sverker Sörlin, who assisted me with the paperwork and with the finalizing of my manuscript. Likewise, my dear friends and colleagues Roberta Biasillo and Jesse Peterson were crucial in helping me with all the tasks I could not accomplish in person, like loading all my 150 manuscript copies – and they are heavy, I can promise you – and sending them around via post, as well as with many other small but necessary things that I could not take care of myself.

Mine was the first Zoom defense that the Division hosted. Sitting some 3,000 kilometers south of my opponent and the defense committee was strange. On one hand, I felt not so much pressure from the virtual attendees (I was in the living room of my parents-in-law), but I had the constant fear that my internet connection was about to let me down once again and my defense would be canceled...but it did not! Thanks to the help of Nina Wormbs and the IT Office, everything worked out fine, although I really missed the face-to-face discussions and upbeat conversations, and the after-defense party and celebrations. At least, the wine was cheaper in Italy... Notwithstanding the distance, I was happy to sing along and say skål together with all the dear people who accompanied me in those five years at the Division.

Archives

— PEDER ROBERTS



I love archives. I love the sense of anticipation when a box of documents arrives on the desk, I love the way I get lost in a story told through letters and minutes, and I love the thrill of the unexpected when something you really hadn't expected turns up and you're forced to reconsider your story. And to be honest, I love the travel. Being a packrat by nature I had collected a considerable amount of material already – as luck would have it, I even made a trip to archives in Canada just before the pandemic struck – and while I've missed the archives, being forced to stay put and work with what I have has perhaps been timely. I've been putting the final touches on an edited volume, the Cambridge History of the Polar Regions, with my colleague Adrian Howkins from the University of

Bristol. And Lize-Marié van der Watt and I are preparing a book with the tentative title “The Dream of Orderly Development” that explores changing views of how science could (and should) aid economic and social development of the North American Arctic in the decades after 1945. It’s sent us down a number of fascinating rabbit holes. Did you know that the Dalai Lama backed a scheme to resettle Tibetan refugees in Alaska to herd yaks? That the US government considered settling Alaskan Inuit in Antarctica to strengthen US presence in the continent? That an expedition to find Noah’s Ark on the Turkey/USSR border ended in a debacle when Turkey declared the expedition to be a cover for spying? (Not to mention why an Arctic research body was involved with Noah’s Ark in the first place.) Or that building new towns in the north was pitched to Canadians as a means of uniting east and west, Anglophone and Francophone, with strikingly little regard for what Indigenous residents in the north had to say? We hope to wrap up the manuscript in the coming months and have it out before the next report. Being forced to stay home and write has its advantages: I would love just one more trip to the archives, but with every new discovery the completion date moves further into the distance. There’s always next time.



Old out-of-date research for some is a gold mine for others. In the historical documents warehouse of the The Centre for Limnology at Estonian University of Life Sciences that was in the center of the story around a nuclear power plant planned at Lake Võrtsjärv by the Soviet Union in 1960s. The history is being research by Achim Klüppelberg and Kati Lindström in the Nuclear Waters project. Photo: Kati Lindström.

Travelogue: Visiting Ignalina Nuclear Power Plant During the Pandemic

— ACHIM KLÜPPELBERG

COVID-19 challenges established ways of doing research. Through a fortunate constellation of circumstances, I was able to slip through a narrow window of opportunity to visit archives in Lithuania. Among others, I had to visit the Archive of New Technical Documentation at Ignalina Nuclear Power Plant. Therefore, I quickly travelled to Visaginas. While being the plant’s satellite town, it is located in the top east corner of Lithuania, close to Latvia’s Daugavpils and Belarus’ Braslaŭ.

Taking advice from former PhD-colleague Daniele Valisena, I explored the path from Visaginas to the plant by foot. It was a very scenic experience and soon led me astray from the main road. It was very sunny and warm. Not many people were around in this somehow eerie landscape. I found myself walking through a small Dacha-village called Vishnya. People were gardening three kilometres next to a power plant, which hosted the biggest reactors of the world during the 1980s. It was a strange feeling if you reflect upon a history of accidents at the plant. Then I went further through a forest. Soon I reached a beautiful small cemetery with carefully kept graves. While lake Drūkšiai was supposed to be very close to me, I did neither see its waters nor noticed its presence.



Memorial at the entrance to Visaginas. Photo: Achim Klüppelberg.



Entering the power plant’s premises. Photo: Achim Klüppelberg.

After struggling with mosquitoes over the sovereignty over my legs and arms, I soon saw the tops of the plant's huge transformer station. Given my experiences with Russian security, I was expecting someone to stop me, as I slowly approached the nuclear station. But nothing happened. When Lithuania entered the European Union, it had agreed to decommission the station due to the similarity of its reactors with the one that exploded at Chernobyl. More than three quarters of the money for decommissioning came from the European Union, which, together with Lithuania's turn towards a freer society, changed priorities from secrecy to openness. Soon, I reached unhindered the formal entrance.

“Given my experiences with Russian security, I was expecting someone to stop me, as I slowly approached the nuclear station.”

Next, I entered the archives and gained, thanks to the great staff, valuable material. On my way back I walked past an installation for the storage of low-radiating nuclear waste, with a conveyer belt originating in the main building of the plant. This made me wonder what was going on inside and how much progress in decommissioning was being made.

After my trip to Ignalina I spent the rest of my time searching through files in the Central State Archives. A personal highlight was here the discussion of how to make Ignalina NPP safer in the wake of the aftermath of the Chernobyl catastrophe. It was very fortunate that I was able to visit Lithuania. I am grateful for this opportunity.



Main entrance road. Photo: Achim Klüppelberg.



Ignalina nuclear power plant. Photo: Achim Klüppelberg.



The low-level radwaste storage. Photo: Achim Klüppelberg.

Change of Plans

—ADAM WICKBERG

As a postdoc at the division funded by the Swedish Research council, an extended research exchange abroad is part of my position package. I was set to move to Berlin to work at the Max Planck Institute for the History of Science (MPIWG) in spring 2020. As I was getting ready to move, the pandemic hit the world with force and my move had to be postponed. At first, I was expecting a quick lockdown with improvement of the situation after summer, but as we have all learned by now, this would not be the case. When I realized I could not count on the Institute opening up anytime soon I did what everyone else who experienced physical restraints was doing and started to work more on the research exchange online. I started participating in the seminars via zoom, and since this was what everyone else who resided in Berlin was forced to do as well, I adjusted my idea of a research exchange and accepted that part of the time would have to be in this way. I got productive with zoom meetings and engaged in several collaborations leading to a substantial output, but as I write these words, I am still hoping to be in Berlin for at least a part of this research “stay”. Uncertainty, another hallmark of this pandemic, is both a challenge and a potentially enriching personal experience.

As a media scholar I am not new to thinking about how digitization changes research and communication patterns (I published a book on this matter some years ago), but the arrival of Covid-19 has

speeded up this process to unprecedented levels. As long as digitization was optional, most academics clung to traditional ways of conveying knowledge and communicating, but as we were forced to make the most of a difficult situation both pros and cons to a fully digitized academia became visible. While we may enjoy some extra time and liberty in working from home, the irreplicable quality of physical face to face meetings also stand out. Particularly with regards to research exchanges and the development of new ideas. The threshold to start a conversation which may in the long run lead to all sorts of valuable and fruitful outputs is just so much higher on zoom than in an actual seminar room and the time we spend together as we gather around them. In addition, as we try to interpret the pixelated facial expressions of our discussion partners on our screens we are missing out on all of the bodily and embodied non-verbal communication we are always engaged in, yet rarely recognize in academia. Many have also noted that the halt of travelling has positive effects on greenhouse emissions. While this is certainly true, we should also take into consideration the fact that the quickly rising server processing power on which we rely for a digitized society currently account for three percent of annual greenhouse gas emissions, which is in fact on a par with the levels of aviation (Lotfi Belkhir and Ahmed Elmeligi, 2018, “Assessing ICT global emissions footprint: Trends to 2040 and recommendations”, Journal of Cleaner Production, Vol. 177: 448 – 463).

Ending up in Lockdown

—KARL BRUNO

Looking back, the most striking thing about the lockdown introduced to the United Kingdom in March 2020 is how abruptly and how irrevocably it struck. I was working at King's College London, where the university administration stuck to a “keep-calm-and-carry-on” messaging long enough to make its subsequent reversal quite abrupt: almost from one week to another, the university buildings were shut to practically all staff and for many they have remained off-limits ever since. I vividly remember the last time I went there, back in the days of hand sanitizer hoarding. My colleagues and I were all a bit worried about how things were going, but I think none of us seriously expected anything other than being able to keep cracking sanitizer scarcity jokes in person the following week. I have not seen them since and most I will probably never see again.

That is not literally true, of course, since I have seen them, week after week, on Zoom and Teams. But my experience of being a visiting postdoc at the Centre for History of Science, Technology, and Medicine transformed drastically. A routine of library work, seminars, reading groups, coffee breaks and of course the odd pint at the end of the day (the Lyceum Tavern in the Strand being the favored local of CHoSTM) was replaced by a routine of bedroom work and online meetings that functioned surprisingly well for discussing research but never seemed able to replace small talk over coffee.

Life outside of work changed beyond recognition, too, and not only because

metropolitan cultural and social life ended and the most exciting thing to do in one's spare time suddenly was to hunt for flour and toilet paper. The more profound shift had to do with the extended confinement to an area of southeast London defined by how far you could walk without being away from the flat for more than the permitted hour of “exercise”. Of the many strange things of lockdown, one of the strangest was looking towards the City – Forest Hill, where I and my partner lived, is hilly with good views towards central London – and feeling wholly



View from lockdown office in United Kingdom.
Photo: Karl Bruno.



Photo: Karl Bruno.

disconnected from a place that I had used to travel through on a near-daily basis. The vista could give you, as I wrote to a friend towards the summer, “a distinct impression of abandoned skyscrapers about to be reclaimed by nature...” They were fifteen minutes away on the train, but might as well have been on the moon.

Being confined to Forest Hill did increase our appreciation for the area itself. We acquired intimate knowledge of its streets, parks, and fauna, including ever-present cats, squirrels, foxes, and, sublimely, a peregrine falcon couple that spent much of its time on the church steeple just up the road from our flat. We also became friendly with the owners and staff of those local businesses that eventually were able to reopen, hanging out in shops in place of other, still-prohibited

forms of social interaction. It grew into a decent substitute, and kept us well-stocked with Spanish olives, organic vegetables and London-brewed craft beer—something that also aptly illustrates the bizarre comforts that lockdown afforded to those being well-off enough and safely working from home.

With that, I do not want to suggest that lockdown was, all in all, a positive experience. For me at least, it took away much more than it gave back, personally and academically. But now, being back in Stockholm, it is what it did give back that somehow seems most salient. I will, I think, always fondly remember watching the falcon against the clear blue sky, absolutely still on its perch, with the rest of Europe's busiest city just beyond the hill and a world away.

Writing an International PhD Thesis During a Pandemic

— ALICIA GUTTING

“In early March 2020 I was sitting at Vienna airport after a six-week research spree around Europe, seeing people wearing facemasks and anxiously keeping a distance from others, it dawned on me that something much bigger was lying ahead of us.”

When I started my PhD on the nuclear Rhine in late 2018, I envisioned a five-year period full of travelling, visiting archives, interviewing actors and presenting at conferences throughout the world. As my research is focused on continental Europe, travelling to Germany, Switzerland and France was a necessity I did not question but rather embraced. My first year as a PhD candidate did not disappoint me. I visited the nuclear power plants Leibstadt in Switzerland and Fessenheim in France. I attended conferences in Colmar, Paris, London, Tallinn and Karlsruhe. I presented my research proposal at CRESAT at the Université de Haute-Alsace in Mulhouse and I visited many different archives in France, Germany and Austria.

While being on this research and networking marathon, I also tried to learn French and Swedish at the same time while improving my English.

In early March 2020 I was sitting at Vienna airport after a six-week research spree around Europe, seeing people wearing facemasks and anxiously keeping a distance from others, it dawned on me that something much bigger was lying ahead of us. However, I did not grasp the gravity of what was going on until later in March, when my guest Louis Fagon from École des hautes études en sciences sociales in Paris cut his visit short by two weeks and tried to get on one of the last Air France flights from Stockholm to Paris. It became quickly clear that I would have to stay for a longer coherent time period



Home office of Alicia Gutting.

than anticipated in Stockholm and that all future travel plans had to be cancelled. On one side, it was rather stressful to be stuck in Stockholm, a city I had not become friends with yet due to always being somewhere else, and also to be met with the uncertainty the situation came with. On the other side, I slowly learned to appreciate the upsides the circumstances provided. All the previous travelling hardly gave me time to engage with and reflect on my research findings. In-between trips there was not enough time for writing or teaching.

When my supervisor Kati Lindström asked me if I would like to assist her with online teaching, I gladly said yes and realized throughout the History of Science and Technology course that working with

students was an essential part of doing research. Different perspectives on an issue helped me reflecting on my own work. I now continue teaching in the autumn semester and have also found time to properly learn Swedish. I even became friends with Stockholm and the upcoming spring helps with that. What stays though is the uncertainty the pandemic has brought on us, the worry that this is the new normal and also the fear that I will not finish my thesis on time. Staying in Sweden means not collecting data, not visiting archives and not interviewing actors. Learning languages and teaching are secondary activities to my actual work writing a thesis. If I cannot finish my thesis on time, all the other activities become distractions and turn into background noise.

Postdoc in Crisis (or not?)

— MARTA MUSSO
LINA RAHM

During the summer of 2020, the journal *Nature* conducted a study on how the pandemic had affected postdocs' careers as well as their well-being. Six out of ten stated that the pandemic had worsened their career opportunities, and more than half stated that they had experienced work-related anxiety and worry. The title of the article that presented the study was accordingly *Postdocs in crisis*.

One could say that a crisis is an event where the normal order of processes and institutions can no longer cope with new external conditions. The Coronavirus has revealed to us how we, as humans, are inevitably interlinked to a more-than-human world, a world which, in many ways, is also incalculable and outside the comfort zone of established knowledge (see the first-hand experience of dealing with the Coronavirus by Division Professor Marco Armiero, at this link). Further, it seems like the covid crisis has been more conspicuously framed as a crisis of death, mourning and suffering, than, for example the so-called migrant crisis in 2019, where institutional problems were more highlighted (instead of the death, mourning and suffering connected to that). How societal phenomena are framed thus seems to depend on who is 'touched by' its consequences and how. As Marxist art critic J.J. Charlesworth tweeted: "There was never any lockdown. There were just middle-class people hiding while working-class people brought them things."

So, even though we have been affected and concerned by the pandemic in many ways, we must also be 'read' with our privileges in mind. We could, to a large extent, avoid the worst rampages of the virus, and we were fortunate to work in a department that did its utmost to accommodate the new conditions of the distance mode. By creating a convivial and participatory atmosphere – through virtual APT meetings, higher seminars, helpful "shut-up-and-write" workshops, computer-mediated "semmla celebration fika" (and physical stroll-meetings with social distancing) – we have been spurred to continue to take part of the research environment in very concrete ways.

If one important element for researchers has emerged from this pandemic, and especially for researchers using historical documents (NB: it's not only historians!!), it is the importance of accessing archives in the digital sphere. Digitisation processes have been discussed and prepared for by archivists and institutions for at least the past 20 years, since the World Wide Web started to spread. Most archives, at least from rich countries, have opened a web presence of some sort; many are proceeding fast towards the complete digitisation of their collections, in order to allow researchers to access their documents 24/7, anywhere in the world. Others have at least a web presence where it is possible to search their catalogues through search engines, making archival

research as fast and immediate as ever, usually from national-level portals, or hosted by the national archives of their country. International-level portals aggregating archival institutions from many different countries have also started to emerge (think of Europeana, Archives Portal Europe, or Internet Archive), institutions with very ambitious goals of becoming parallel entities to Google, where it is possible to search for all pre-digital cultural production as well. Before the pandemic, these projects never gathered too much attention. Except for archivists actively campaigning for digital access, digital archives were still a niche subject. Some professionals even boycotted them out of fear of making the physical institutions obsolete; researchers still traditionally work by organising their research around the trip to the archive; only a handful of institutions allow requests of digitisation on demand – something that now, with the pandemics, professional archive-goers have discovered the hard way. With institutions closed, billions of documents and related researches are on hold; conversely, collections that are available online are flourishing, providing a much-needed lifeline to researchers who are sometimes working on tight deadlines, and whose jobs expire when the funds expire, whether or not the research was carried out.

On a personal level, our post-doc research projects can still continue thanks to something that now feels like fantastic planning skills, but that really was just a

stroke of luck. During previous archive trips, both of us photographed and digitised ("for personal use") an amazing quantity of documents, which was too much for a single research task, but which are now being used for our current studies. The decision of taking thousands of photographs during the archive trips was not due to the idea that there might one day be a pandemic: indeed, before Coronavirus, our idea of a pandemic resembled a thrilling zombie apocalypse; never had the idea of "staying at home" and "social distancing" crossed our minds. The rationale behind it was to make the best use of the money and time spent on trips to very distant institutions, and because of the desire to check every single piece of a folder, while allowing for time, later on, to view and review as many papers available in the archive as possible.

Now that we cannot go to the physical archives, our own digital memories of the archives became the new archives that we could inhabit. Hopefully, the pandemic has helped to raise awareness of the importance of digitisation as a fundamental aspect of accessing our heritage, and something complementary, not in opposition, to archives and museum institutions.

Strategic Collaboration on User Perspectives and Co-creation in Future Green Cities

— KATARINA LARSEN

How can different user perspectives be taken onboard when planning future cities? How can co-creation processes between researchers, municipalities and citizens add value to urban development?

These are some questions that are in focus in the strategic collaboration initiative between the division and The Swedish Centre for Innovation and Quality in the Built Environment (IQ-Samhällsbyggnad). This umbrella organization for planning is coordinating several programs within JPI Urban Europe. The study was carried out by me and focused on analysing

user perspectives in multi-stakeholder partnerships for urban development and green infrastructures within the programme ERA-NET Smart Cities and Communities (ENSCC). Conclusions highlighted importance of local actors and organisations as knowledge carriers and were presented in a policy report co-authored with IQ-Samhällsbyggnad.

THE REPORT IS AVAILABLE ONLINE:
<https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A1427870&dsid=-6925>



Stocolma. Photo Marco Armiero.

Experiencing the Pandemic, First Hand

— MARCO ARMIERO

More than a year ago, on March 18th 2020, I was hospitalized with a severe form of COVID-19. My situation became immediately extremely serious; I ended up in the ICU for 10 days, intubated, with not so high chances to survive. Now, why should I share this in the biannual report of my Division, between a list of publications and the presentation of a research project? Isn't this too personal for this venue? First of all, I should say that I have already published a couple of short articles on my experience with the COVID-19; this aligns with my research and academic practices which building on feminist theory do not divide the personal and the academic. Furthermore, I have been asked to write something on this topic for this report, which means that my division also shares, at least partially, my approach to the personal and the public. Indeed, my illness was, of course, extremely personal but it was also a collective experience for our community. Some colleagues started to call me once per week when I came back from the hospital after almost a month; someone came to visit – keeping distance, often just outside my window. Someone brought flowers, some bread (bread and flowers, perhaps that was a well-orchestrated move...). Someone just jumped into my course and covered it for me. I went through a terrible experience, actually, I am not even sure that it is completely behind me; but it did reveal something to me.

In the accounts I have written about my experience, I have stressed that inequalities do not stop at the COVID-19's doors. In my ordeal, I was still a privileged university professor, receiving high-quality health care assistance, keeping my income, with a social capital that supported my family and myself during that difficult time. In this short text, then, I would like to add something new. In times of dramatic crisis, there is not

“In times of dramatic crisis, there is not only desperation, isolation, fear, but also solidarity, care, and friendship.”

only desperation, isolation, fear, but also solidarity, care, and friendship. The factory of our collective imagination – Hollywood or perhaps Netflix in our pandemic times – always proposes dystopic prophecies of people fighting with each other among the ruins of some kind of disaster. In this case imagination seems just to reproduce a quite popular adage from some decades ago: there is no society but only individuals and families. Well, that adage was wrong. I can tell you that there are communities, beautiful, caring, supportive communities, including the academic ones.

The Division – a Short History

— ARNE KAIJSER
PROFESSOR EMERITUS



Thirty years ago, in the spring of 1991, I joined the Department of the History of Science and Technology at KTH. It was a tiny Department at the time, consisting of only two employees, Svante Lindqvist, who had a temporary professorship, and an administrator. The Department was located in a part of the KTH Library adjunct to the remarkable “old collection” and consisted of a seminar room and two office rooms. Besides the employees, there were a number of student “hang arounds”, working on master’s theses in history of technology, and wanting to become PhD students. The only problem was that there was no PhD program – which was one of the reasons why Svante asked me to join. I had received my PhD at the Department of Thematic Studies at Linköping University a few years earlier and had an ongoing research project on the development of infrastructural systems that I brought with me.

A twenty five year prelude

I have been working at the Department – which was renamed the Division of History of Science, Technology and Environment in 2011 – ever since, and in this little essay I will give a personal account of some of the major developments in these thirty years. However, there is also a twenty-five year prehistory that I will first sketch very briefly. It involves three people.

First, Torsten Althin. After having retired as first the originator and then director of the Swedish Technical Museum for forty years, he started to give courses in the history of technology at KTH in the mid-1960s, the first teaching of this kind in Sweden. He was provided an office and a desk at the KTH library and put up a sign on his door: “The Institute of the History of Technology”. He also ordered stationary with this heading, and so the Institute was born.

Secondly, Svante Lindqvist. In the mid-1970s, he followed Althin’s courses as a KTH engineering student and became fascinated by the subject. Svante started assisting Althin and gradually took over most of the teaching in his turn making many students interested in the field, some of which wanted to delve deeper into it. In parallel he enrolled in the PhD program in the history of ideas at Uppsala University, and in 1984, he defended his thesis: *Technology on Trial: The Introduction of Steam Power Technology into Sweden, 1715–1736*.

Thirdly, Thomas P. Hughes. He was one of the most prominent international scholars in the history of technology and author of the path-breaking book *Networks of Power: Electrification in Western Society, 1880–1930* (1983). In 1985, he became a guest professor at KTH for a four-year period, and gave an annual course that became a success (I was

his teaching assistant one semester, so I know). The background was that Torsten Althin had a vast international network within the field of history of technology, which Svante inherited and nurtured, realizing that to be able to establish a new academic field in Sweden, it was important to build close ties with colleagues abroad. Svante managed to arrange that Hughes became guest professor at KTH.

Gradually, the KTH leadership became convinced about the importance and relevance of the history of technology not only as a field of teaching but also of research. The “self-made” Institute was renamed the Department of the History of Science and Technology, and became a formal part of KTH organization: a Department within the Institution of Production Systems and part of the School for Mechanical Engineering. Furthermore, in 1987 KTH established a temporary Professorship in the History of Technology. Svante was appointed to this position, which became permanent in 1992.

Small and networking

Until 1991, the Department was thus very tiny, but in the following years, it grew significantly. In the spring of 1991, Svante and I wrote a proposal for a PhD program in the history of technology, which was soon formally adopted. We were also able to secure

research grants for four PhD students, who started in the fall of 1991. Six months later Marie Nisser joined the Department. Marie came from the Department of History of Art at Uppsala University and was a Swedish pioneer within Industrial Archeology. She had just received a personal Professorship in Industrial Archeology and chose our department as a suitable base for it. Moreover, she brought two PhD students with her, and three more were recruited later in the year. Thus, in the spring of 1993, the Department consisted of two professors, one associate professor (me) and nine PhD students. We had reached a kind of “critical mass” and each week we had a higher seminar to which we invited guests or discussed our own texts.

However, we realized that we were a tiny environment crucially dependent on contacts with others, both in Sweden and abroad. In 1983, Svante had established the National Committee for the History of Technology together with Jan Hult, a professor of Structural Mechanics at Chalmers with a strong interest in history. This Committee became an important meeting ground for the scholars at different Swedish universities interested in the field. It published a journal, *Polhem* and arranged conferences every second year.

Even more important was to make connections abroad. Svante

had close contacts with the Society for the History of Technology, SHOT, the leading international association, however with a strong US dominance. In the summer of 1992, our Department hosted the annual conference of SHOT with more than 400 participants. It was the first time that SHOT had a conference outside the US, and it was quite an achievement of our small Department to arrange it. Ever since, we have strongly emphasized the importance of international relations and encouraged our PhDs and researchers to present their work at conferences abroad. We also established an informal exchange of PhD students with MIT’s STS Department in the mid-1990s, and over the following fifteen years almost a dozen students from each of the two universities spent two or three months at the twin department in the other.

From the outset, our Department had a broad scope, and Marie, Svante and I decided to form three units focusing on industrial archeology, engineering science, and technical systems. One reason for this was to distribute the responsibility for supervision and funding of PhD students. However, we kept the higher seminar as a common arena to avoid fragmentation and we emphasized its importance. Another important mechanism for encouraging internal cooperation was edited books. We produced several such books in

which our PhD students contributed, along with authors from outside the Department as well. In the process of writing them, we organized seminars discussing the main themes and the individual chapters.

Limited teaching – a focus on research and grants

We continued the long tradition from Althin, giving undergraduate courses for engineering students. However, at KTH like at most other universities there is a constant “battle of the curriculum” among different departments, as big courses give secure income. As a humanities subject at an engineering school, we were only allowed to give short courses of an introductory nature in the different programs. We constantly tried to increase our share of the curriculum, as we were convinced that engineers benefit from broader perspectives, but we had little success. From the very start, our PhD students took on active roles in these courses as seminar leaders, lecturers and sometimes even as course responsible.

The limited teaching income meant that we were dependent on getting research grants, and we developed a certain skill in writing competitive applications. We realized that we could apply both to funding agencies within the humanities and social sciences, and to agencies within innovation, energy, transport, etc. Most of the

grants were sufficient to finance two or three people, but in 1996 a big proposal with Svante as main applicant was approved by the Riksbankens Jubileumsfond. It was called “Scientific research – Technical development – Industrial renewal”, abbreviated VTI in Swedish, and included not only our Department but also two Departments at Uppsala University, History of Science, and Business Studies. This project was thus interdisciplinary in character and a main ambition was to train three cohorts of PhD students in an interdisciplinary environment. For our Department it meant that six PhD students were part of the project, which lasted for twelve years.

The photo in the beginning of this text, was taken at the KTH promotion ceremony in the Stockholm Town Hall in November 1997. It shows the three first PhDs from our Department, who successfully defended their theses earlier this year – Thomas Kaiserfeld, Ulf Larsson and Hans Weinberger – together with Svante, Marie and myself. The photo also symbolizes a major transformation of our Department: a few weeks earlier, Svante had informed us that he had been appointed Director of the new Nobel Museum, and that he would leave his position at KTH at the end of the year. This was a bit of a shock as Svante had such a central role at the Department and so much valuable contacts outside it.

Expanding into new fields

I replaced Svante as Head of the Department, when he left, and at the end of 1999, I was also appointed his successor as Professor of History of Technology. In the following years, the composition of the Division changed when a handful of postdocs were recruited to a number of projects. They had varying backgrounds and this increased the interdisciplinary character of the Department with political history, environmental history, urban history, and ethnology. Moreover, the international character of our Department was intensified. In the 1990s we started a number of research and teaching collaborations with Nordic and also Baltic colleagues, and from 1999, our Department became involved in a long-lasting European research network called Tensions of Europe and we have participated in a whole series of research projects with a European or global scope ever since.

A new transition period started around 2003/2004. In 2003, Sverker Sörlin was appointed guest professor in Environmental History at our Department. He already held a professorship in the same discipline at Umeå university since 1993 and his arrival meant a major strengthening of our environmental competence. In 2004, Marie retired and her longtime collaborator Maths Isacson, professor of Economic History

at Uppsala University, was appointed half time guest professor in Industrial Archeology at our Department for four years.

The arrival of two senior professors with long experience from other universities meant a major consolidation and expansion of our research environment. They could look at our activities with fresh eyes, and to profit from this we decided to set up a little working group including both Sverker and Maths and some long-time “insiders” of the Department to draft a five-year strategy for our Department. This became a very fruitful exercise and made us see both some of the strengths in our traditions but also a number of shortcomings. We have continued making such strategies every fifth year, the last one for the period 2018–2022. All the three strategies can be downloaded from our home page, and they give a good picture of the visions and of the developments, we have experienced since 2007. This is a reason why I will be very brief in my description of these years.

Leadership and Laboratory

I want to point at three major changes in this period. First a steady growth in the number of co-workers and not least in the number of permanent faculty. We have developed an internal organizational structure, with a rotation on key positions that works

well. Furthermore, we have had the privilege of having had very skillful and devoted Heads of Division – Thomas Kaiserfeld, Nina Wormbs, and Sabine Höhler. Thomas and Nina with a PhD from our own Division, while Sabine has a habilitation in History of Science from Darmstadt University of Technology.

Secondly, a deepened internationalization with a growing share of co-workers from abroad and much more of our research focusing on international and transnational issues. English has become the common working language, but many more languages are used in our corridors.

Thirdly, environmental issues have become more central in our research and teaching. This was reflected in a new name in 2011, the Division of History of Science, Technology and Environment. Moreover, it was facilitated by a very generous donation from Carl Bennet the same year that enabled us to establish the Environmental Humanities Laboratory, headed since 2013 by Marco Armiero, with a PhD in Economic History from the University of Naples and a broad experience from universities in Spain, Portugal and the United States. This Lab has been a vigorous part of our Division since its start.

Finally, a few words about our organizational and physical place at KTH. Being a relatively small humanistic entity at a technical

university implies that there is no self-evident organizational “home”. This has implied two organizational changes. In 2001, the Department moved from the School of Mechanical Engineering to the School of Industrial Economics, and four years later, we moved again to the School of Architecture and the Built Environment. The latter change was combined with merging with the Department of Philosophy to form the Department of Philosophy and History, and from then on, we are a Division within this Department.

These two organizational changes were accompanied by physical moves. In addition, we have moved a number of times due to repairs and new construction. In fact, we have moved no less than seven times in these thirty years to end up in today’s very nice and welcoming space. At present, our offices are sadly empty because of the pandemic, while our activities have become digital: we even had three successful digital dissertation defenses in 2020! However, we are very much looking forward to resume the face-to-face interaction that is so vital for a thriving scholarly and social environment.



Backlists

Visiting scholars 2019 – 2020

DAMIR ARSENIJEVIC was a guest at the KTH Environmental Humanities Laboratory in 2019. He contributed to the research environment and helped with both the Archipelago Lecture and the Crosscuts Film Festival. Damir is a Professor of Literary and Cultural Studies at the University of Tuzla, Bosnia and Herzegovina. He is a literary theorist and psychoanalyst in training. In early 2019, he set up the working group “Zemlja, voda, zrak” (“Earth, Water, Air”) through which young people can work together to articulate and enact demands for environmental justice in Bosnia and Herzegovina. October to December 2019.

LOUIS FAGON was a guest on the Nuclearwater projects in the spring 2020. He is a doctoral student at the EHESS-École des hautes études en sciences sociales (School of Advanced Studies in the Social Sciences) in Paris. He examines the history of nuclear power development on the Rhône river. Originally, he was scheduled to visit us for the whole of March in 2020, but due to Corona he had to return to Paris after two weeks in mid-March. He presented his research in the Nuclearwater seminar series on 13 May over Zoom. March 2020.

EVA LA COUR visited the Division and the REXSAC project in 2019. She is a PhD student at the Valand Academy, University of Gothenburg, Faculty of Fine, Applied and Performing Arts. Her PhD project is an artistic research project on Arctic landscapes with Svalbard as a case study. January-February 2019.

HÉLÈNE LE DEUNFF was a guest at the KTH Environmental Humanities Laboratory in 2019. She is a PhD Candidate in Environmental Humanities at the University of Sydney where she is supervised by Thom van Dooren. Her research explores participatory water governance from a multi-species perspective. June 2019 to January 2020.

BEATRIZ MARTINEZ RUIZ visited the Division from January to March 2020. She was originally scheduled to stay until May, but left earlier due to the pandemic. Beatriz is a historian of science from Spain working in Paris on her doctoral thesis in the project “Salt, Vessels and Maps: The Discovery of the Mediterranean Salt Giant”, which also Peder Roberts is involved in. Her research project aims to study a particular geological feature of the Mediterranean’s seafloor where she is exploring how marine geosciences in France, Italy and the USA were related to, and depended on, the oil industry’s activities, national political agendas, and international scientific collaboration. January to March 2020.

LAURA PIETILÄ was an intern at the KTH Environmental Humanities Laboratory where she contributed to the Annals of Crosscuts. She holds a MA in Global environmental history from Uppsala University. She has an interest in narratives, storytelling, transdisciplinary practices, visuality as a form of knowledge creation, and landscape studies, which she also touched upon in her master’s thesis. October 2020 to January 2021.

ELISA PRIVITERA visited the KTH Environmental Humanities Laboratory in 2019, where she worked with Marco Armiero on the Toxic Bio project. She is a PhD student at the University of Catania, Italy and a C.M.Lerici Foundation fellow. Elisa is an engineer and architect and her research interests are “small data” and community’s role in the environmental planning of contaminated territories. February to July 2019.

SIMONA QUAGLIANO was a guest at the KTH Environmental Humanities Laboratory in 2020. She is an architect and currently she is a PhD student in urban planning at the University of Naples Federico II and a Lerici Fellow. Her doctoral research investigates the role of governance for cities in transition mainly in the context of climate change. From 2012 she is an active member of Legambiente, an Italian environmental organization. January to March 2020.

SAMANTHA SAVILLE visited the Division in 2019. She is a human geographer, most interested in nature-culture or human, non-human relations, based at Aberystwyth University, Wales, UK, where she did her undergraduate (2005) and PhD (2017) degrees. Following her PhD, ‘Saving Svalbard? Contested value, conservation practices and everyday life in the high Arctic’ Sam spent two years as research associate on the ERC project “Global-rural examining globalization processes in rural Wales through assemblage thinking”. September 2019.

YUNWEI SONG made her second visit at the Division to work with Per Högselius among others from June 2018 to June 2019. Yunwei is an associate professor at the School of History at Renmin University of China. Her doctoral dissertation and first book (The Period of Dual Federalism in the United States) dealt with the relationship between federal and state governments before the American Civil War. Her current academic interests are on the history of natural resources policy. June 2018 to June 2019.

ANDREI STSIAPANAU visited the Division and the Nuclear Waters project during the spring 2020. He was the only guest during the spring semester that stayed his full time during the pandemic. Andrei is a Belarussian researcher lecturing on nuclear technopolitics in Lithuania. January to June 2020.

QI WANG was a visitor of the Division in 2019 and 2020, working for the platform of Making Universities Matter (MUM). She is a data analyst at the KTH library and a researcher. She finished her PhD at the Department of Industrial Economics and Management in KTH. Her dissertation was to explore and develop bibliometric methodologies in order to address the challenges caused by the dynamics of science. She has a broad interest in research evaluation, career life, gender issues, and innovation studies. 2019 and 2020.

ESTHER ZAMBONI ROSSI was a guest at the KTH Environmental Humanities Laboratory from September 2018 to March 2019. She is a PhD student at the Universidade Federal de Santa Catarina in Florianopolis, Brazil, working on the environmental history of waste management in the city of Porto Alegre since 1970. She received a prestigious scholarship from the Brazilian agency Capes in order to spend a semester with us at the Lab. September 2018 to March 2019.

LEONOOR ZUIDERVEEN BORGESIUs was a visiting fellow at the KTH Environmental Humanities Laboratory in March 2020. She is an environmental historian and a PhD-candidate at the University of Oslo, where she is part of the interdisciplinary project ‘LIFETIMES: A Natural History of the Present’. Her project is about the colonial histories of Dutch hydraulic engineering, and space-making practices of engineers in imperial and domestic settings between the 1860s and 1930s. Leonoor was scheduled to stay until June, but had to leave earlier due to the pandemic. March 2020.

Commissions of Trust, Prizes and Awards

MARCO ARMIERO

- President, European Society for Environmental History 2019–2021.

DMITRY V. ARZYUTOV

- Associate editor of *Sibirica: Journal of Siberian Studies* (Taylor and Francis).
- Editorial advisory board, book series *Arctic Worlds: Communities, Political Ecology and Ways of Knowing* (Routledge).

DAG AVANGO

- Expert member of ICOMOS (International Council on Monuments and Sites) and of its International Polar Heritage Committee (IPHC).
- Delegate to the National committee for History of science and technology (Royal Academy of Sciences),
- Member of the Insynsrådet advisory committee for the Swedish Polar Research Secretariat, since 2020, and its advisory group for Abisko scientific research station.
- Member of Jernkontorets Bergshistoriska utskott.
- Member of the Board of Trustees of TICCIH (The International Committee for the Conservation of Industrial Heritage) and served on the board of its Swedish section, Svenska Industriminnesföreningen.
- He also served as expedition leader for several field trips to Greenland and Svalbard.

ROBERTA BIASILLO

- Member of the ESEH Next Generation Action Team (NEXTGATE) 2017–2019, and its coordinator during 2019.

SIEGFRIED EVENS

- Chairperson of the ABE PhD Student Council since February 2020 and member of the ABE School Executive Group.

ERIK ISBERG

- Member of the ABE PhD Student Council since June 2020 and PhD student representative in the ABE School Assembly.

JASMIN HÖGLUND HELLGREN

- Education Manager / Board Member of the PhD Chapter, March 2020 to June 2021.
- Member of the KTH Board of Education, KTH Third Cycle Education Committee, and PhD student representative in the departmental Samverkan group.

PER HÖGSELIUS

- Member of the Faculty Assembly (Skolkollegium), School for Architecture and Built Environment, KTH Royal Institute of Technology, since 2020.
- Member of the evaluation committee for research applications to the Swedish Energy Agency's "Humans, energy systems and society" programme, since 2018.
- Member of the advisory board for the *NTM Journal of the History of Science, Technology and Medicine*.
- Pre-examiner of Mattias Näsman's PhD thesis, Department of Economic History, Umeå University, 2020.
- Examiner of application by Magdalena Kuchler for promotion from assistant professor to associate professor in global energy systems, Uppsala University, 2020.

- Examiner of application by Dick Magnusson for Docent in technology and social change, Linköping University, 9 October 2019.
- Dissertation committee member for Ekaterina Kalemeneva's PhD defence, Higher School of Economics, Moscow, 2019.
- Reviewer for fellowship applications to the Freiburg Institute for Advanced Studies, 2020.

SABINE HÖHLER

- Elected member of SNTV Svenska Nationalkommittén för Teknik- och Vetenskapshistoria (Swedish National Committee for the History of Technology and Science) (2017–2020, 2020–2023).
- Society for the History of Technology (SHOT), Kranzberg Dissertation Prize Committee (2019–2021; chair 2020).
- International Journal of Environmental Humanities, Duke University Press, member of Management Committee (2018–2020).
- Editorial Board member, *Technikgeschichte, Nomos* (2020–2026).
- Advisory Board member, research project "Mapping the Oceans" / BMBF-Verbundvorhaben "Karten – Meere. Für eine Geschichte der Globalisierung vom Wasser aus", Gotha Research Centre, University of Erfurt (2018–2021).
- Advisory Board member, book series "Geschichte der Technischen Kultur" / "History of Technological Culture", Verlag Ferdinand Schöningh (2017–2020).
- Advisory Board member, research project "Corridor Talk: Conservation Humanities and the Future of Europe's National Parks", German Research Council DFG and UK's Arts and Humanities Research Council AHRC, University of Leeds / Rachel Carson Center for Environment and Society Munich (2020–2023).

KATI LINDSTRÖM

- Expert member of the ICOMOS International Polar Heritage Committee, working on the

- History of Antarctic Heritage Work Group, since 2020.
- Member of the Faculty Assembly (Skolkollegium), School for Architecture and Built Environment, KTH Royal Institute of Technology, since 2020.
- Coordinator and founder for the informal network of Baltic Environmental Humanities and Social Sciences (BALTEHUMS), since 2018.
- Member of the 2020 Swedish-Argentinian expedition to the Antarctic Peninsula for survey and maintenance of their joint Historic Sites and Monuments of the Antarctic Treaty on behalf of Swedish Polar Secretariat, Swedish Heritage Board and Swedish Science Council in cooperation with the Argentine Antarctic Institute and Argentine National Directorate for Antarctica.
- Board member of the Estonian Centre for Environmental History (University of Tallinn), since 2011.
- Regional Representative for the Baltic States and Board member for the European Society for Environmental History, 2017–2021.
- Summer school committee member, European Society for Environmental History, 2019–2021.
- Nomination committee member and Program committee member for the European Society for Environmental History, 2017–2019.

MARTA MUSSO

- Holder of the Energy History (StandUp) Postdoctoral Fellowship 2020.
- President of Eogan, the network of energy archives (since 2017).
- Editor of the Resources section of the *Journal of Energy History / Revue Histoire Energie (JEH / RHE)* (since 2018).
- Member of the Digital History Center, University of Aarhus.
- Honorary Fellow at King's College London, Department of Digital Humanities.

- Visiting Fellow, Grantham Research Institute, London School of Economics and Political Science.

LINA RAHM

- Holder of the Physicist Ragnar Holm's Postdoctoral Fellowship 2020.
- Anton Nyström fellowship 100,000 SEK (grant for finishing the book *Makten och Datorerna: den svenska arbetarrörelsens data- och folkbildningspolitik*).

PEDER ROBERTS

- Steering Committee member, Standing Committee for Humanities and Social Sciences (SC-HASS), Scientific Committee for Antarctic Research (SCAR), since 2020.
- Prize committee, Northern Canadian History, for Canadian Historical Association (2020–2022).
- Board member of the Norwegian Committee for History of Science (since 2020).
- Chair, Academic Planning Committee, SC-HASS biannual conference on Antarctic Humanities and Social Sciences, 2021.
- Organizing Committee member, 2022 SCAR Open Science Conference.

LINUS SALÖ

- Recipient of the Erik Wellander Prize 2019 for outstanding research on language policy and planning. 50 000 SEK from the Erik Wellander Foundation, Stockholm.

ANNA STORM

- Scientific Committee for the Fifth Biennial Conference of the Association of Critical Heritage Studies (ACHS), ACHS Futures, at the University College London 26–30th August 2020 (2019–2020).
- Founding member of the International Research Network “Nuclear Cultural Heritage: From Knowledge to Practice”, funded by Arts and Humanities Research Council UK, 2019–2020.
- Examiner of application for Docent in Conservation by Bosse Lagerkvist, Gothenburg University (2019).

- Reviewer, female postdoctoral fellowship program Reinforcing Women in Research (REWIRE), University of Vienna (2019).
- Reviewer for journals: Cultural Anthropology, International Journal of Heritage Studies, Science as Culture, Tidsskrift for kulturforskning.

GLORIA SAMOSIR

- Chairperson of the THS PhD Chapter, July 2020 to June 2021 (member March to June 2020).
- Member of the KTH University Board and of the KTH Strategic Council. Education Manager / Board.
- Member of the KTH Board of Education.
- PAD / Board Member of the ABE PhD Student Council (June 2019–June 2020).
- PhD student representative in the ABE School Assembly.

SVERKER SÖRLIN

- The Gerard Bonnier Literary Fellowship, member of award committee, since 2004.
- Centre for Environmental Humanities, ANU Canberra, Australia, member of international advisory board, since 2010.
- Steering Committee and executive Board member of the global IHOPE project, IGBP / Future Earth, since 2011.
- Folkuniversitetet (People's university, adult education), president of the national federation board, since 2012.
- Nordiska Museet (national museum of cultural history), board member, appointed by the Swedish Government, 2015–2020.
- Swedish Climate Policy Council, appointed by the Swedish Government, since 2018.
- Austrian Research Council (FWF), member of international science advisory board, since 2019.
- Riksbankens Jubileumsfond (funder of humanities and social sciences), board member, 2020–2022.
- Swedish Collegium for Advanced Study in the Social Sciences (SCAS), Uppsala, Long Term Fellow, 2020–2023.
- Nordic Institute for Studies in Research, Higher Education and Innovation, NIFU

(Oslo), Long Term Professorial Fellow, since 2014.

- Cultural Geographies (Sage), editorial advisory board, since 2000.
- Environmental Humanities, Routledge book series (London, NYC), editorial advisory board, since 2013.
- The Anthropocene Review (Sage), editorial advisory board, since 2014.
- International Journal of Environmental Humanities (Duke Univ. Press), editorial advisory board, since 2015.
- AMBIO: Journal of the Environment, editorial advisory board, since 2016.
- Environment and Planning E: Nature and Space (Sage), editorial advisory board, since 2017.

LIZE-MARIÉ VAN DER WATT

- Elected member of the Swedish National Committee for Global Environmental Change, (with the Royal Swedish Academy of Sciences, KVA), 2016–2021.
- Member of the executive committee of the Standing Committee for Humanities and Social Sciences in SCAR – the Scientific Committee for Antarctic Research, since 2018.
- Rapporteur to the Antarctic Treaty Consultative Meeting, since 2014.

ADAM WICKBERG

- Member of the ESEH Next Generation Action Team (NEXTGATe) 2020–2022.

NINA WORMBS

- KTH Faculty Council, member, 2019–2021.
- Steering Committee, Swedish Authority for Accessible Media, since 2016.
- Steering Committee, National Library of Sweden, since 2019.
- Advisory Committee, Centre for History of Science, Royal Swedish Academy of Sciences, since 2017.
- Board of Ridderstad Foundation for Media History, since 2011.
- Jury Lars Salvius foundation 2020–2024.
- Society for the History of Technology (SHOT), Nomination Committee

(2018–2020; chair 2019).

- Redaktionsråd Bildningspodden, since 2020.
- Redaktionsråd Curie, since 2020.

CECILIA ÅSBERG

- Expert advisor, Statens Konstråd / Swedish Art Agency, 2019–2021.
- Expert advisor, Färgfabriken Art and Exhibition Space, Stockholm, 2019–2023.
- International Expert Evaluator, Danish National Research Foundation, 2020.
- Member of the Gender and Values Collegium: The Gender Network, KTH, since 2018.
- Member of the KTD Programme Council for Art, Technology, Design, KTH, since 2019.
- Fellow of the Rachel Center for Environment and Society at the Ludwig Maximilians Universität, Munich, since 2019.
- Associated founding member Posthumanism Research Institute, Brock University, Canada, since 2018.
- Associate Editor, Environmental Humanities, 2018–2019.
- Co-editor, book series More-than-human humanities (Routledge).
- Editorial Board, Ecocene: Cappadocia Journal of Environmental Humanities, since 2020.
- Editorial Board, New Disciplinary Perspectives in Education, Peter Lang, since 2016.
- Advisory Board, Matter: Journal of New Materialist Research, since 2018.
- Advisory Board, Catalyst: Feminism, Theory, and Technoscience.
- Advisory Board, Resilience: A Journal of Environmental Humanities, University of Nebraska Press.
- Advisory Board, Unlikely: Journal for the Centre of Creative Arts, La Trobe University, Australia.
- Advisory Board, Journal of Gender and Power, Adam Mickiewicz University, Poland.

Events

This is a broad-brush list of events – seminars, conferences, workshops, online talks and conversations, keynote lectures, exhibition talks, panels, PhD defenses, etcetera – which have either been hosted/co-hosted by the Division/EHL or where members of the Division/EHL have made contributions. It is chronologically organized. It is far from exhaustive, with one exception, the regular higher seminar. These, and several other activities typically take place (physically) in the Seminar room on level 5 of the Division premises on the KTH campus. In the list below this location is just called “Seminar room”.

2019

HIGHER SEMINAR: Sketch for a history of Indigenous labour in northern (de)industrialization

Time: Mon 2019-01-21, 13:15 – 14:15

Presenter: [Jean-Sébastien Boutet](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

THE POSTHUMANITIES HUB SEMINAR SERIES: Deterritorialising death: queer(ing) methodology and contemporary art

Time: Tue 2019-01-22, 10:15 – 12:00

Presenter: [Marietta Radomska](#) (Department of Thematic Studies (TEMA), Linköping University)
Location: Seminar room, Div. History of Science, Technology and Environment

WORKSHOP: Digital Humanities Stockholm

A key theme: *Structure, vulnerability and uncertainty in Data.*

Time: Tue 2019-01-29, 13:00

Location: Kungliga biblioteket, the National Library.

WORKSHOP: Hate Online: Analyzing Hate Platforms, Fighting Hate Crimes

Time: Wed 2019-01-30, 13:00

Presenters: [Tara McPherson](#) (Division of Cinema and Media Studies, USC, Los Angeles) and [Kenneth Bodin](#) (CEO of Algoryx Simulation, Umeå)

Location: Seminar room, Div. History of Science, Technology and Environment

WORKSHOP: Feminist in a Software Lab

Time: Wed 2019-01-30, 13:00

Presenter: [Tara McPherson](#) (Division of Cinema and Media

Studies, USC, Los Angeles)
Location: Seminar room, Div. History of Science, Technology and Environment

DOCENT LECTURE: Trespassing: Migration and the Environment in a Historical Perspective

Time: Tue 2019-02-12, 13:00

Presenter: [Marco Armiero](#) (KTH, Div. History of Science, Technology and Environment)
Location: V3

HIGHER SEMINAR: Nuclear reactors, technology policy, and the national interest: explaining energy transition decisions in France and Britain, 1961 – 79.

StandUp for Energy post-doc project presentation

Time: Mon 2019-02-18, 13:15 – 14:45

Presenter: [Tae Hoon Kim](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

CONFERENCE: Crafting the Long Tomorrow: New Conversations and Productive Catalysts Across Science and Humanities Boundaries as the Global Emergency Worsens

Presenters: [Sabine Höhler](#) and [Jesse Peterson](#) (KTH, Division of History of Science, Technology and Environment) as part of an ENHANCE event.

Time: 2019-02-21 – 2019-02-24
Location: Arizona, Biosphere 2

HIGHER SEMINAR: Atomic fish: Sublime and non-sublime nuclear nature imaginaries

Time: Mon 2019-03-04, 13:15 – 14:45

Presenter: [Anna Storm](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

INVITED SPEAKER: Using Cinematic Ethnography to Explore Knowledge Politics in Postcolonial Cities

Screening and discussing the film “One Table Two Elephants” (von Heland and Ernstson, 2018, 87 min)

Time: 2019-03-05, 18:00 – 20:30.

Presenter: [Henrik Ernstson](#) (KTH, Div. History of Science, Technology and Environment)
Location: Lecture Theatre 4, Diamond Building, Sheffield University

THE POSTHUMANITIES HUB SEMINAR SERIES: Weird Ecologies – stories from the void and the web

Time: Tue 2019-03-12, 10:15 – 12:00

Presenter: [Line Henriksen](#) (University of Copenhagen)
Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Powered by Rumor: Energy Politics and Conspiracy in the Making of a New Turkey

Time: Mon 2019-03-18, 13:15 – 14:45

Presenter: [Sinan Erenşü](#) (The Department of Sociology, Boğaziçi University, Istanbul)
Location: Seminar room, Div. History of Science, Technology and Environment

RESEARCH PRESENTATION

Presentation of an ongoing research projects from the LabPEAT, an Action-Research Laboratory.

Time: Thu 2019-03-21

Presenter: [Elisa Privitera](#) (Department of Civil Engineering and Architecture, University of Catania)
Location: The EHL lab room

SEMINAR: PI-SYMPOSIUM: On the Future

Time: Tue 2019-03-26
Presenters: [Martin Rees](#)



Crosscut poster, Stockholm City. Photo: Sofia Jonsson.

(Astronomer Royal, Cambridge University), [Christer Fuglesang](#) (astronaut, director of KTH Space Center), [David Christian](#) (La Trobe University, Melbourne) and [Nina Wormbs](#) (KTH, Div. History of Science, Technology and Environment)
Location: Scalateatern, Stockholm

THE POSTHUMANITIES HUB SEMINAR SERIES: Signing Nature, Memorializing Plantations: Public Memory on the Bartram Trail
Time: Fri 2019-03-29, 10:15 – 12:00
Presenter: Tom Hallock (Uni. of South Florida, St. Petersburg USA)
Location: Seminar room, Div. History of Science, Technology and Environment

Crosscut's Introduction
Time: Thu 2019-04-04, 14:30
Presenters: [Jacob von Heland](#) and [Sofia Jonsson](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

PhD dissertation defense: *Environging Technology: Swedish Satellite Remote Sensing in the Making of Environment, 1969–2001*
Time: Fri 2019-04-05, 13:00 – 15:00
Respondent: [Johan Gärdebo](#) (KTH, Div. History of Science, Technology and Environment)
Opponent: [Edward Jones-Imhotep](#)

(York University, Canada)
Supervisor: [Nina Wormbs](#) (KTH, Div. History of Science, Technology and Environment)
Location: F3, Lindstedtsvägen 26, KTH Campus

THE POSTHUMANITIES HUB SEMINAR SERIES: Histories and Perceptions of Climate in Early American Literature and Culture
Time: Mon 2019-04-08
Presenter: [Lauren LaFauci](#) (Department of Thematic Studies (TEMA), Linköping University)
Location: Seminar room, Div. History of Science, Technology and Environment

SEMINARIUM: The European Energy System in an Age of Globalization
Time: Wed 2019-04-10, 15:00 – 16:15
Presenter: [Per Högselius](#) (KTH, Div. History of Science, Technology and Environment)
Location: KTH Campus, Room V3, Teknikringen 72, 5th floor

HIGHER SEMINAR: Fascist colonial ecologies: Italian agricultural schemes in Libya (1922–1943)
Time: Mon 2019-04-15, 13:15 – 14:45
Presenter: [Roberta Biasillo](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENT: Which Environmental Justice for Climate Refugees?
Time: Thu 2019-04-18, 14:00
Presenter: [Francesca Rosignoli](#) (Department of Political Science, Stockholm University)
Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: Photos from the end of the world
Time: Thu 2019-04-25, 14:00
Presenter: [Kati Lindström](#) (KTH, Div. History of Science, Technology and Environment).
Location: Seminar room,

Div. History of Science, Technology and Environment

HIGHER SEMINAR: Do HeLa Cells Have a Sex? Conceptualizing “Sex” in Experimental Settings
Time: Mon 2019-04-29, 13:15 – 14:45
Presenter: [Sarah Richardsson](#) (Harvard University, USA)
Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: Possibilities and challenges for developing a more-than-human spatial planning
Time: Thu 2019-05-02, 14:00
Presenter: [Jonathan Metzger](#) (Urban and Regional studies, KTH)
Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Nuclear waters “The Global Governance of Nuclear Risk and Cooling Systems” by [Siegfried Evens](#) “Nuclear Decision-making in the Soviet Union” by [Achim Klüppelberg](#)
Time: Mon 2019-05-06, 13:15 – 15:15
Presenters: [Siegfried Evens](#) and [Achim Klüppelberg](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR Narrative ecologies in post-truthful times
Time: Mon 2019-05-13, 13:15 – 14:45
Presenter: [Yiannis Gabriel](#) (University of Bath, England, and visiting Professor at Lund University)
Location: Seminar room, Div. History of Science, Technology and Environment

SEMINARIUM: 50 years of Innovation Policy Studies – What have we learned? And what are the emerging challenges?
Time: Mon 2019-05-13,

15:00 – 17:00
Presenter: [Ben Martin](#) (SPRU, Sussex University, UK)
Location: Seminar room, Div. History of Science, Technology and Environment

THE POSTHUMANITIES HUB PRESENTS: Open Humanities Lab Symposium: New Humanities and Anthropocene
Time: Tue 2019-05-14 – Wed 2019-05-15
Presenters: 25 speakers from KTH and international guests
Location: Open Lab, KTH Royal Institute of Technology

HIGHER SEMINAR: Race and Climate Change: How Urban Inequality Made America Less Sustainable
Time: Thu 2019-05-23, 13:15 – 14:45
Presenter: [Robert R. Gioielli](#) (University of Cincinnati, USA)
Location: Seminar room, Div. History of Science, Technology and Environment

WORKSHOP: The Laws of Nature SPHERE researchers and invited scholars
Time: Mon 2019-06-03 – Thu 2019-06-06
Location: Lauterpacht Centre for International Law, Cambridge University

THE POSTHUMANITIES HUB SEMINAR SERIES: Decolonialising Mourning Through Speculative Wonder and Unthinkable Questions? On the Selk’nam ‘Hain’ and Its Layers of Lostness
Time: Tue 2019-06-04, 10:15 – 12:00
Presenters: [Camila Marambio](#) (Monash University, Melbourne, Australia) and [Nina Lykke](#) (Department of Thematic Studies (TEMA), Linköping University)
Location: Seminar room, Div. History of Science, Technology and Environment

THE POSTHUMANITIES HUB SEMINAR SERIES: Coloniality, Media and the Anthropocene in Early Americas
Time: Wed 2019-06-05, 10:15 – 12:00
Presenter: [Adam Wickberg](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

INVITED SPEAKER: Environmental Film in a New Way
Screening and discussing the film “One Table Two Elephants” (von [Heland](#) and [Ernstson](#), 2018, 87 min)
Time: 2019-06-07, 19:00 – 21:00
Presenters: [Jacob von Heland](#) and [Henrik Ernstson](#) (KTH, Div. History of Science, Technology and Environment)
Location: Fyrisbiografen Cinema, Uppsala

HIGHER SEMINAR: Bridges, toll stations and harbor cranes – “Critical Infrastructures” in pre-modern societies?
Time: Mon 2019-06-10, 13:15 – 14:45
Presenter: [Stephanie Eifert](#) (TU Darmstadt, Germany)
Location: Seminar room, Div. History of Science, Technology and Environment

CONFERENCE PRESENTATION: *Imperial Remains and Imperial Invitations: Theorizing Racial Disposability within the Infrastructures of African Cities.* (Kimari and Ernstson)
Time: 2019-06-11-14
Presenter: [Henrik Ernstson](#) (KTH, Div. History of Science, Technology and Environment)
Location: European Conference of African Studies (ECAS) 2019, University of Edinburgh.

HIGHER SEMINAR: Presentation of dissertation plans by [Erik Isberg](#) and [Gloria Samosir](#) “Governing planetary timescales: technologies of temporalization in the making of Earth System Sciences” by [Erik Isberg](#)

“Accounts of Nature: An Environmental History of Development Banks” by Gloria Samosir
 Time: Thu 2019-06-13, 13:00 – 15:00
 Presenters: Gloria Samosir and Erik Isberg (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Resource Reindeer: Negotiating the reindeer as food and bearer of culture in modern Swedish Sápmi
 Time: Mon 2019-06-24, 10:00 – 12:00
 Presenter: Corinna Röver (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

SPHERE researchers attend WCEH The 3rd World Congress on Environmental History
 Time: Mon 2019-07-22 – Fri 2019-07-26
 Location: Florianopolis, Brazil

PUBLIC EVENT: /Mis/ communication/s/
A post-disciplinary session with artists and researchers curated by Janna Holmstedt, The Posthumanities Hub (KTH) on invitation by The Public Art Agency Sweden in collaboration with Fragmentarium Club.
 Time: Fri 2019-08-16
 Presenters: Cecilia Åsberg, Janna Holmstedt (KTH, Div. History of Science, Technology and Environment), Marietta Radomska (Department of Thematic Studies (TEMA), Linköping University), Mirko Nikolić and Jacek Smolicki (Department of Culture and Society (IKOS), Linköping University)
 Location: Reaktorhallen, KTH

CONFERENCE: RE:SOUND, the 8th International Conference for Histories of Media Arts 2019



Science journalist Torgny Nordin and Sabine Höhler at the Gothenburg Book Fair, 2019.

Time: 2019-08-20–2019-08-23
 Presenter: Janna Holmstedt (KTH, Division of History of Science, Technology and Environment)
 Location: Aalborg University, Denmark
SHPERE researchers attend ESEH The 10th Biennial European Society for Environmental History Conference
 Time: Wed 2019-08-21 – Sun 2019-08-25
 Location: Tallinn University, Estonia

INVITED PANELIST: Citylife: Agency, Aesthetics, Politics.
The ‘genius’ of the local: Citylife through thick and thin.
 Time: 2019-08-28
 Presenter: Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)
 Location: RGS-IBG 2019 Annual International Conference in London

CONFERENCE PRESENTATION: Histories of Heterogenous Infrastructures: Negotiating Colonial, Postcolonial and Oral Archives in Kampala, Uganda (Ernstson and Nilsson)
 Time: 2019-08-27
 Presenter: Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)

Location: RGS-IBG 2019 Annual International Conference in London
CONFERENCE PRESENTATION: Imperial Remains and Imperial Invitations: Theorizing Racial Disposability within the Infrastructures of African Cities (Kimari and Ernstson)
 Time: 2019-08-30
 Presenter: Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)
 Location: RGS-IBG 2019 Annual International Conference in London

HIGHER SEMINAR: Extending an ethics of care to “rusty junk”? Contestations of value and Svalbard’s Cultural Heritage
 Time: Mon 2019-09-02, 13:15 – 14:45
 Presenter: Samantha Saville (Aberystwyth University, Wales)
 Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Presentation of dissertation plans by Alicia Gutting and Jasmin Höglund Hellgren “The Nuclear Rhine” by Alicia Gutting
“Governing the Environment: Alternative Agencies in the Mining

Sector” by Jasmin Höglund Hellgren
 Time: Thu 2019-09-05, 13:15 – 15:15
 Presenters: Alicia Gutting and Jasmin Höglund Hellgren (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

CONFERENCE PRESENTATION: “Kilamba Life”: Domestic Visions of China in Angola (Kimari and Ernstson)
 Time: 2019-09-12
 Presenters: Wangui Kimari (African Centre for Cities (ACC), University of Cape Town) and Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)
 Location: Annual Conference on China-Africa Relations (ACCAR) 2019, University of Nairobi

HIGHER SEMINAR: The Discursive Formation of The Indies: Media and Environment in the Spanish Colonial Empire 1570–1620
 Time: Mon 2019-09-16, 13:15 – 14:45
 Presenter: Adam Wickberg (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

SEMINAR: The Transformative Imagination
 Time: Tue 2019-09-17, 17:00
 Presenters: Karen O’Brien (Department of Sociology and Human Geography, University of Oslo), Tim Ingold (Department of Anthropology, University of Aberdeen), and Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
 Location: Moderna Museet, Stockholm

PUBLIC EVENT: The Kelp Congress, Lofoten International Art Festival (LIAF)
 Time: 2019-09-17 – 2019-09-22
 Presenter: Cecilia Åsberg

(KTH, Div. History of Science, Technology and Environment)
 Location: Svolvaer, Lofoten, Norway

SEMINAR: The Research Council of Norway: The Creation and Future of a Systemic Research and Innovation Funder
 Time: Mon 2019-09-23, 15:30 – 17:30
 Presenter: John-Arne Røttingen (CEO, Research Council of Norway)
 Location: Valen room at Vetenskapsrådet, Västra Järnvägsgatan 3, 111 64 Stockholm

EHL EVENTS: Coal extractive assemblages and the politics of sovereignty in India
 Time: Tue 2019-09-24, 13:30 – 15:30
 Presenter: Kuntala Lahiri-Dutt (Resource, Environment and Development Program, The Australian National University, Canberra)
 Location: Seminar room, Div. History of Science, Technology and Environment

Wiki-slam on the crucials of Environmental Humanities with the Posthumanities Hub
 Time: 2019-09-25, 10:00 – 14:00
 Location: Seminar room, Div. History of Science, Technology and Environment

WORKSHOP: CFP: Dying at the Margins: A critical exploration of Material-Discursive Perspectives to Death and Dying
 Time: Thu 2019-09-26 – Fri 2019-09-27
 Presenters: Natashe Lemos Dekker (Cultural Anthropology and Development Sociology, Universiteit Leiden) and Jesse Peterson (KTH, Div. History of Science, Technology and Environment)
 Location: Environmental Humanities Laboratory, KTH

Till bildningens försvar – den svåra konsten att veta tillsammans (in Swedish)
 Time: Fri 2019-09-27, 16:30
 Presenters: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment), Niklas Gårdfeldt Leavy (Utgivningschef inom akademisk pedagogic, Natur and Kultur, Stockholm)
 Location: Bokmässan i Göteborg, Lärarscenen

SEMINAR: Presentation of dissertation plans by Araújo Domingos, Thomas Schröder and Domingos Langa
“Health development projects in Mozambique: The co-production of knowledge” by Araújo Domingos
“Environmental Governance of Transnational Energy Systems – From Danish Wind in 1973 to Global Wind in the Present” by Thomas Schröder
“Universities and innovation in Africa: Contemporary histories of innovation policy and practice in a selection of African universities” by Domingos Langa
 Time: Monday 2019-09-30, 13:00 – 16:00
 Presenter: Araújo Domingos, Thomas Schröder and Domingos Langa (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

The Gordon Goodman Memorial Lecture with Sverker Sörlin
The ‘environment’ – Unearthing the past, present and future of one of the most successful policy concepts of the twentieth century
 Time: Thu 2019-10-03, 14:30
 Presenter: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
 Location: Royal Swedish Academy of Agriculture and Forestry

EHL EVENTS: 8th Stockholm Archipelago Lecture: What should socialism mean in the 21st century? An ecofeminist view

Time: Mon 2019-10-07, 17:15 – 18:30
Presenter: [Nancy Fraser](#) (The New School for Social Research, New York)
Location: ABF Huset, Lecture Hall Z-salen, Stockholm

HIGHER SEMINAR: New territories of conflict and cooperation over water in an urbanising world

Time: Mon 2019-10-14, 13:15 – 14:45
Presenter: [Timos Karpouzoglou](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: Wasteocene. Guerrilla Narrative and the embodied stratigraphy's of toxic capitalism

Time: Thu 2019-10-17, 16:00 – 18:00
Presenter: [Marco Armiero](#) (KTH, Div. History of Science, Technology and Environment)
Location: William-Olssonsalen, Stockholm University

THE POSTHUMANITIES HUB SEMINAR SERIES: Iqaluit's Dumpcano and the Indeterminate Material Politics of Waste

Time: Fri 2019-10-18, 10:15 – 12:00
Presenter: [Myra Hird](#) (Queen's University, Canada)
Location: Seminar room, Div. History of Science, Technology and Environment

THE POSTHUMANITIES HUB SEMINAR SERIES: To Care is To Resist: Situated Perspectives on Architecture

Time: Wed 2019-10-23, 13:15 – 15:00
Presenters: [Isabelle Doucet](#) (Chalmers University of Technology, Sweden) and [Hélène Frichot](#) (School of Architecture, KTH)
Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Coal Lives. Italian Miners and the Metabolism of Coal in Wallonia, Belgium

Time: Mon 2019-10-28, 13:15 – 14:45
Presenter: [Daniele Valisena](#) (KTH, Div. History of Science, Technology and Environment)
Location: Seminar room,

Div. History of Science, Technology and Environment

EHL EVENTS: The OCC! team is taking part in the Conference "UNDERSTANDING, MEASURING AND GOVERNING LOSS AND DAMAGE FOR SOCIAL AND ECOLOGICAL SYSTEMS"

With a paper on Occupy Climate Change: How do social movements address loss and damage from bottom up?
Time: Wed 2019-10-30, 08:00 – Fri 2019-11-01, 17:00
Location: Lund University Centre for Sustainability Studies

EHL EVENTS: Nordic Environments: Opening Conference of the Oslo School of Environmental Humanities.

Marco Armiero is part of the panel discussion Environmental Humanities of the Global North
Time: Fri 2019-11-01, 10:00 – 20:30
Presenters: [Marco Armiero](#) (KTH, Div. History of Science, Technology and Environment), [Dolly Jørgensen](#) (Department of Cultural Studies and Languages, University of Stavanger) [Britt Kramvig](#) (Department of Tourism and Northern Studies, The Arctic University of Norway, Tromsø) and [Julia Leyda](#) (Department of Art and Media Studies, Norwegian University of Science and Technology (NTNU), Trondheim)
Location: SALT, Oslo

EHL EVENTS: The OCC! team is taking part in the Historical Materialism Conference "Claps of Thunder: Disaster Communism, Extinction Capitalism and How to Survive Tomorrow"

Time: Thu 2019-11-07 – Sun 2019-11-10
Location: SOAS, Russell Square, Central London

SEMINAR: From enabling to delivering: Understanding the implications of mission-oriented innovation policy

Time: Thursday 2019-11-07,

15:00 – 17:00

Presenter: [Jakob Edler](#) (Director of the Fraunhofer Institute for Systems and Innovation Research (ISI))
Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Making Futures in End Times: Nature conservation in the Anthropocene

Time: Mon 2019-11-11, 13:15 – 14:45
Presenters: [Esther Breithoff](#) (Birkbeck, University of London) and [Rodney Harrison](#) (University College London)
Location: Seminar room, Div. History of Science, Technology and Environment

EHL AND THE POSTHUMANITIES HUB EVENT: A Roundtable Session on Teaching Environmental Humanities

Time: Thu 2019-11-14, 13:15 – 14:45
Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: The Proletarian Lung: fighting waste colonialism in Bosnia and Herzegovina-Lab meeting

Time: Mon 2019-11-18, 14:00 – 15:00
Presenter: [Damir Arsenijevic](#) (Department of English Language and Literature, University of Tuzla)
Location: The EHL Room, Teknikringen 74D, Floor 5

EHL EVENTS: Crosscut's Festival for Film and Text

Time: Fri 2019-11-22 – Sun 2019-11-24
Location: Bio Rio

EHL EVENTS: The 4th Annual Democratic Practices PhD Seminar – Nature, Capitalism, and Film as Decolonial Dialectic?

Time: Mon 2019-11-25 – Wed 2019-11-27
Presenters: [Henrik Ernstson](#), [Jacob von Heland](#) (KTH, Division

of History of Science, Technology and Environment), [Ashley Bohrer](#) (intersectional feminist from the University of Notre Dame) and [Andrés Fabián Henao Castro](#) (political philosopher from University of Massachusetts Boston).

Location: Seminar room, Div. History of Science, Technology and Environment

KEYNOTE LECTURE: Solander, Sparrman, and the Anthropocene: Saving "the Environment" on a Planet made Unstable by Humans.

Time: Mon 2019-11-25, 18:30 – 19:30
Presenter: [Sverker Sörlin](#) (KTH, Division of History of Science, Technology and Environment)
Location: The Museum of New Zealand Te Papa Tongarewa, Wellington, New Zealand

SEMINAR: Formas frukost: Kan man beställa forskning? (in Swedish) Kan politiken och samhället hitta och påskynda lösningar på våra stora samhällsutmaningar genom att beställa forskning?

Time: Fri 2019-11-29
Presenters: Contributions from the MUM platform at KTH, Division of History of Science, Technology and Environment and Lund University
Location: Formas

PUBLIC EVENT: Climate Change, Policy and the Humanities and Social Sciences

Time: Tue 2019-12-03, 09:45 – 13:00
Presenters: [Sverker Sörlin](#) (KTH, Division of History of Science, Technology and Environment), [Libby Robin](#) (Fenner School of Environment and Society, Australian National University, Canberra), [Peter Christoff](#) (School of Geography, University of Melbourne), [Lauren Rickards](#) (School of Global, Urban and Social Studies, RMIT University, Melbourne), [Katie Holmes](#) (Director of the CSI)
Location: University of Melbourne

PUBLIC LECTURE: Transitioning to net zero emissions: What can we learn from Sweden?

What has made Sweden take leadership role in climate policy? How does a country like this plan to reach net zero emissions by 2045?

Time: Wed 2019-12-04, 16:00 – 17:00
Presenter: [Sverker Sörlin](#) (KTH, Division of History of Science, Technology and Environment)
Location: Finkel Theatre, John Curtin School of Medical Research, Canberra, Australia. Co-hosted with Swedish Embassy to Australia.

SEMINAR: Bortom flygskam (in Swedish)

Time: Thu 2019-12-05, 08:00 – 09:30
Presenters: [Nina Wormbs](#) (KTH, Div. History of Science, Technology and Environment), [Hanna Nikkanen](#) (Stockholm Resilience Center) and [Maria Wolrath Söderberg](#) (Department of Teaching and Learning In Higher Education, Södertörn University, Stockholm)
Location: Fores, Kungsbrogatan 2, Stockholm

SEMINAR: Poetics of Future Work

Time: Fri 2019-12-06, 16:00 – 17:00
Panel: [Janna Holmstedt](#) (KTH, Div. History of Science, Technology and Environment), [Sandor Albrecht](#), (RISE Research Institutes of Sweden), [Per Johansson](#) (Co-founder of the think tank Infontology), [Tove Chevalley](#) (Digital Innovation Director, Electrolux), moderator: [Nina Bozic](#) (RISE, Västerås)
Location: Electrolux, Sankt Göransgatan 143, Stockholm

HIGHER SEMINAR: Defiant Seas: Storing Waste, Water, and Blooms

Time: Mon 2019-12-09, 13:15 – 14:45
Presenter: [Jesse Peterson](#) (KTH, Division of History of Science, Technology and Environment)
Location: Seminar room,



Lahemaa Military Heritage Days were held by the Cold War Coasts project at the Cold War military sites in Lahemaa National Park, Estonia. On picture are the demagnetisation stand for ships at Hara port. Photo: Kati Lindström.

Div. History of Science, Technology and Environment

HIGHER SEMINAR: Framing a human disaster: Swedish defense research and the governance of industrial accidents

Time: Mon 2019-12-16, 13:15 – 14:45
 Presenter: Fredrik Bertilsson (KTH, Division of History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

2020

HIGHER SEMINAR: Governance, organisation and perceptions of autonomy in research

Time: Mon 2020-01-20, 13:15 – 14:45
 Presenter: Ulrika Bjare (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Reassembling the Environmental Archives of the Cold War: Perspectives from the Soviet North

Time: Mon 2020-01-27, 13:15 – 14:45
 Presenter: Dmitry Arzyutov (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

SEMINAR: A Joyful Apocalypse: Activism for the End of the Anthropocene

Time: Thu 2020-01-30, 13:15 – 15:00
 Presenter: Patricia MacCormack (Anglia Ruskin University, UK)
 Location: Seminar room, Div. History of Science, Technology and Environment

SEMINAR: The Arctic for sale?

Time: Wed 2020-02-05, 17:30 – 18:30
 Presenter: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
 Location: Lokomotivet, Eskilstuna

HIGHER SEMINAR: Indigenous avant la lettre. The origins and livelihoods of the Sámi in European scholarly thought 1930–1960

Time: Mon 2020-02-10, 13:15 – 14:45
 Presenter: Otso Kortekangas (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

SEMINAR: Fossilfri välfärd och negativa utsläpp – vision, kollision eller tomma ord?

Time: Tue 2020-02-11, 15:00 – 17:00
 Presenters: Nina Wormbs (KTH, Div. History of Science, Technology and Environment), Eva Svedling (State Secretary to the Minister for International Development Cooperation and Climate) and Isak Stoddard (Department of Earth Sciences, Natural Resources and Sustainable Development, Uppsala university)
 Location: Aula ArkDes, Exercisplan 4, Stockholm

EHL EVENT: For the Benefit of all men: Oceanography and French-American diplomacy during the cold war

Time: Wed 2020-02-19, 14:00 – 15:00
 Presenter: Beatriz Martínez-Rius (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

SEMINAR: Multispecies Communication, with Janna Holmstedt

Time: Fri 2020-02-21, 17:00 – 18:30
 Presenters: Janna Holmstedt (KTH, Div. History of Science,

Technology and Environment), Anne van Leeuwen (Board member of Embassy of the North Sea, Amsterdam) and Klaas Kuitenbrouwer (Digital Culture, Het Nieuwe Instituut, Rotterdam)
 Location: Het Nieuwe Instituut, Rotterdam

HIGHER SEMINAR: Keeping the wheels turning: oil storage as a key defence strategy in Cold War Sweden

Time: Mon 2020-02-24, 13:15 – 14:45
 Presenters: Camilla Eriksson and Jenny Ingemarsdotter, (Department of Defence Analysis, Swedish Defence Research Agency)
 Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: Simona Quagliano Cities in transition: how climate change is modifying the perception of urban spaces within institutions and society. The case study of Naples

Time: Thu 2020-02-27, 14:00 – 15:00
 Presenter: Simona Quagliano (University of Naples Federico II)
 Location: Seminar room, Div. History of Science, Technology and Environment

THE POSTHUMANITIES HUB SEMINAR SERIES: Climavore – How We Eat as Humans Change Climate

Time: Wed 2020-04-04, 13:15 – 15:00
 Presenters: Daniel Fernández Pascual and Alon Schwabe (Co-founders of London-based Cooking Sections)
 Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: Contesting Loss and Damage – Urban climate justice, grassroots organizations and radical adaptation

Time: Thu 2020-03-05 – Fri 2020-03-06
 Presenters: Marco Armiero, Ethemcan Turhan, Salvatore Paolo

De Rosa, Roberta Biasillo, and more (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

Invited Speaker: Occupy Climate Change Workshop.

Saying it out aloud! Occupying is something we do together; voicing a genealogy of racial capitalism.
 Time: 2020-03-05
 Presenter: Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)
 Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Research Evaluation in Context. Push-back from SSH scholarship on recent developments - experiences from the case of the Netherlands

Time: Mon 2020-03-09, 13:15 – 14:45
 Presenter: Thed van Leeuwen (Centre for Science and Technology Studies (CWTS), Leiden University)
 Location: Seminar room, Div. History of Science, Technology and Environment

HIGHER SEMINAR: Purifying Burdensome Environments: At home with coal in Upper Silesia, Poland

Time: Mon 2020-05-11, 13:15 – 14:45
 Final PhD seminar: Irma Allen (KTH, Div. History of Science, Technology and Environment)
 Opponent: Thomas Hylland Eriksen (Social Anthropology, University Of Oslo)
 Location: Seminar room, Div. History of Science, Technology and Environment

EHL EVENTS: (Re)Placing Chernobyl (Re)Placing Chernobyl focuses on HBO's miniserie "Chernobyl" (2019) in the context of the ongoing global COVID-19 pandemic.

Time: Thu 2020-05-14, 15:00
 Presenters: Simon Evans (Head of the Chernobyl Shelter Fund

at the European Bank for Reconstruction and Development (EBRD)), Michael N. Goddard, (University of Westminster, UK), Paul Josephson (Colby College, USA), Alena Ledeneva (UCL, UK), Tatiana Kasperski, (Pompeu Fabra University, Spain), Johan Renck, (Film director), Vitalij Strigunkov (Visual artist, Lithuania), Simon Watson (the University of Manchester) Egle Rindzeviciute (Kingston University, London)
 Location: Zoom

PHD DISSERTATION DEFENSE: Coal Lives: Italians and the Metabolism of Coal in Wallonia, Belgium, 1945–1980

Time: Tue 2020-06-02, 13:00 – 16:00
 Respondent: Daniele Valisena (KTH, Div. History of Science, Technology and Environment)
 Opponent: Don Mitchell (Department of Social and Economic Geography, Uppsala University)
 Supervisors: Marco Armiero and Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
 Location: Zoom webinar

WORKSHOP: What is the role of science in environmental diplomacy?

Time: Thu 2020-06-11 – Sat 2020-06-13
 Presenters: Nina Wormbs, Eric Paglia, Miyase Christensen (KTH, Div. History of Science, Technology and Environment), Simone Turchetti, Sam Robinson (Centre for the History of Science, Technology, and Medicine at the University of Manchester)
 Location: Zoom Webinar

EHL EVENTS: Streaming STREAMS

STREAMS is an international conference for the Environmental Humanities (EH) that gathers researchers from a wide range of academic disciplines as well as artists, activists and practitioners.
 Time: Wed 2020-08-05, 12:30 – Fri 2020-08-07, 16:00
 Location: Zoom

HIGHER SEMINAR: A Sea Change in the Environmental Humanities

Time: Mon 2020-09-28, 13:15 – 14:45
 Presenter: Cecilia Åsberg (KTH, Div. History of Science, Technology and Environment)
 Location: Zoom



The traditional dance at Tensions of Europe, Luxembourg. Photo: Nina Wormbs.

WORKSHOP: Arctic Environmental Humanities Workshop Series: Sverker Sörlin

Time: Tuesday 2020-09-29, 11:00 – 12:00

Presenter: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
Hosted by Scott Polar Research Institute, Cambridge University and Brown University, Boston.
Location: Zoom

DOCENT LECTURE (IN SWEDISH): Att konstruera förflutenheter för omstridda framtider: kulturarv i polartrakterna

I denna föreläsning diskuteras det senaste årtiondets forskning om kulturarvets roll i ett föränderligt Arktis och Antarktis.

Time: Thu 2020-10-08, 15:00

Presenter: Dag Avango (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

HIGHER SEMINAR: Food Politics of Antarctic Krill: The Soviet Food Experiment

Time: Monday 2020-10-12, 13:15 – 14:45

Presenter: Tayana Arakchaa (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

SEMINAR: Sustainability, techno-sciences, transitions

Time: Thu 2020-10-15, 18:00

Presenter: Timos Karpouzoglou (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

PHD DISSERTATION DEFENSE: Excessive Seas: Waste Ecologies of Eutrophication

From History to Contemporary Environmental and Social Challenges

Time: Fri 2020-10-16, 13:00

Respondent: Jesse Peterson (KTH, Div. History of Science, Technology and Environment)
Opponent: Catherine Rigby (Bath Spa University, Bath, UK)
Supervisor: Sabine Höhler

(KTH, Div. History of Science, Technology and Environment)
Location: Zoom

SEMINAR: NUCLEARWATERS seminar with Lis Kayser

NUCLEARWATERS arranges the third in its series of zoominars.

Time: Wed 2020-10-21, 13:15 – 15:00

Presenter: Lis Kayser (the Danish Institute for International Studies (DIIS))

Location: Zoom

Conversation on a Sustainable Future after Corona (in Swedish)

Time: Tue 2020-10-27, 17:30

Presenters: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment), Jonna Bornemark (The Center for Studies in Practical Knowledge, Södertörn Högskola, Stockholm) and Pella Thiel, (systemisk aktivist och kulturell förändringsagent)
Location: Hörsalen, Kulturhuset, Stockholm

HIGHER SEMINAR: Educational Imaginaries: Governance at the Intersection of Technology and Education

Time: Mon 2020-11-02,

13:15 – 14:45

Presenter: Lina Rahm (KTH, Div. History of Science, Technology and Environment).
Location: Zoom

SEMINAR: The Posthumanities Hub Presents: A Critical Cartography of New Materialist Constellations and Interventions in Times of Terror(ism)

Time: Thu 2020-11-05, 13:15

Presenter: Evelien Geerts (Department of Modern Languages, University of Birmingham (UK))
Location: Online

HIGHER SEMINAR: Antarctic Minerals for the Soviet Bloc? East Side Story of the South Pole's Environmental Geopolitics in the Cold War

Time: Mon 2020-11-09,

13:15 – 14:45

Presenter: Roman Khandozhko (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

Finland Gender Studies Conference 2020, Tampere University

Time: 2020-11-12 – 2010-11-13

Presenter: Cecilia Åsberg (KTH, Div. History of Science, Technology and Environment)
Location: Online

Invited Speaker to Seminar on Urban Ecologies:

Grounding Urban Natures: An Invitation to Do Comparative Urban Environmentalism.

Time: 2020-11-13, 13:00 – 14:30

Presenter: Henrik Ernstson (KTH, Div. History of Science, Technology and Environment)
Location: Department of Geography, Cambridge University (online)

SEMINAR: Theme meeting 4C: Communicating climate change and meeting deniers

Time: Tue 2020-11-17, 13:15

Presenter: Nina Wormbs (KTH, Div. History of Science, Technology and Environment)
Location: Online

PHD DISSERTATION DEFENSE: Marknadsanalogier: Studier av marknadsieringens idé och dess möte med offentliga verksamheter i Sverige

Time: Fri 2020-11-20, 13:00

Respondent: Jesper Meijling, (KTH, Div. History of Science, Technology and Environment)
Opponent: Per Wisselgren (Umeå University)
Supervisor: Sverker Sörlin (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

HIGHER SEMINAR: The politics of urban climate adaptation in Malmö: challenges, vulnerabilities and the role of social movements

Time: Mon 2020-11-23, 13:15 – 14:45

Presenter: Salvatore Paolo De Rosa (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

EHL EVENTS: The 9th Stockholm Archipelago Lecture: Reflections on Planetary Habitability Planetology on Planetary Habitability

Time: Wed 2020-11-25, 15:00

Presenter: Achille Mbembe (Wits Institute for Social and Economic Research in Johannesburg, South Africa)
Location: Zoom

WORKSHOP: Toolbox of Environmental Governance: Numbers, Metrics, and Acronyms

SPHERE event with 25 participants

Time: Wed 2020-12-02 –

Fri 2020-12-04

Location: Online

SEMINARIUM: (Bio)discourse after Catastrophe: The Natural-Cultural Status of Nuclear Disasters in Chernobyl and Fukushima

Time: Fri 2020-12-04, 10:15 – 12:00

Presenter: Aleksandra Brylska (University of Warsaw)
Location: Zoom

HIGHER SEMINAR: Science–policy collaboration in Sweden: The case of minority mother-tongue instruction”

Time: Mon 2020-12-07, 13:15 – 14:45

Presenter: Linus Salö (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

THE POSTHUMANITIES HUB SEMINAR SERIES: Ingesting the Hydrocene

Time: Wed 2020-12-09, 13:15 – 15:00

Presenter: Bronwyn Bailey-Charteris (Department of Art and Design, University of New South Wales)
Location: Online

SEMINAR: Energy Imperialism? Resources, power and environment

Time: Fri 2020-12-11, 14:00

Presenters: Angélique Palle (Strategic Research Institute, Paris), Paul S. Ciccantelli (Department of Sociology, Western Michigan University, Kalamazoo) Armel Campagne (History and Civilization, European University Institute), Michael Hennessy Picard (Institute of Advanced Studies, UCL), Simone Selva (L'orientale University of Naples, Italy) and Marta Musso (KTH, Div. History of Science, Technology and Environment)
Location: Zoom

SEMINAR: Archiving for Nuclear Decommissioning: Challenges and Collaborations

Time: Mon 2020-12-14,

11:00 – 13:00

Presenters: Izumi Hirano (Research Center for Cooperative Civil Societies, Rikkyo University, Tokyo), Kolya Abramsky (George Padmore Institute archive, London), Jenny Mitcham (Head of Good Practice and Standards, DPC), Marta Musso (KTH, Div. History of Science, Technology and Environment), Martin Robb (NDA Information Governance Programme Manager) and Gordon Reid (Nuclear Archivist at Nucleus: the Nuclear and Caithness Archive, Wick, UK)
Location: Online

Projects

ENVIRONMENTAL HUMANITIES, ENVIRONMENTAL HISTORY AND POLITICAL ECOLOGIES

Indigenous Avant la Lettre The origins and Livelihoods of the Sámi in European Scholarly Thought 1930–1960.

The project "Indigenous avant la lettre. The origins and livelihoods of the Sámi in European scholarly thought 1930–1960", funded through the Swedish Research Council's International postdoc grant, studies the prehistory of the concept "indigenous". In what terms did early twentieth century Nordic and European scholars describe and discuss the origins and the livelihoods of the Sámi before the term "indigenous" was widely in use? The scholarly discussions on the origins and the livelihoods of the Sámi included important links to international debates on themes such as ecology, evolution, and the preservation and education of indigenous peoples.

PROJECT LEADER: Otso Kortekangas
FUNDING AGENCY: VR/Swedish Research Council.
PERIOD: 2019-10-01

Harnessing the Heat Below our Feet: Promises, Pitfalls and Spatialization of Geothermal Energy as a Decarbonization Strategy

This project is a collaboration between University of Groningen (Ethemcan Turhan), KTH (Marco Armiero) and University of Chile (Marco Billi). The overarching aim is to

identify and compare different socio-technical pathways to geothermal energy across different cases, particularly distinguishing transitional and transformative approaches to geothermal power and the socio-technical system dynamics and assemblages they bring forward. The ultimate goal of the project is to improve our understanding of promises, pitfalls and diverse spatializations of the energy transition to pave the way towards transformative change in decarbonization across urban energy landscapes.

PROJECT LEADER: Ethemcan Turhan and Marco Armiero
FUNDING AGENCY: Formas/the Swedish Research Council
PERIOD: 2021–2023

CrossCuts Film Festival

Crosscuts is festival for film, art and text, with a film as research focus. Special invited guests, panels and visitors discuss films on different themes within the field of environmental humanities.

FOUNDERS: Marco Armiero, Miyase Christensen, Sofia Jonsson, Jacob von Heland. Participants at the Division: Roberta Biasillo, Erik Isberg, Alicia Gutting, Henrik Ernstson. Funded by KTH ABE and Stockholm University. 2019.

Environmental Humanities for a Concerned Europe, ENHANCE

ENHANCE (Environmental Humanities for a Concerned Europe) will provide the first fully coordinated training programme for Environmental Humanities in Europe. It will train twelve early-stage researchers,

joining three leading universities for environmental research – the University of Leeds, Ludwig-Maximilians-University Munich, and the Royal Institute of Technology, Stockholm – with Europe's largest science and technology museum, the Deutsches Museum, and a further five Associated Partners from the private and third sectors. ENHANCE aims to provide ESRs with the skills training to be at the forefront of a new generation of Environmental Humanities research, and to be employable in a range of careers including environmental consultancy, risk assessment, research and development, green business management, media and communications, and not-for-profit work (environmental and wildlife NGOs).

PROJECT LEADER: Marco Armiero.
PARTICIPANTS AT THE DIVISION: Marco Armiero, Irma Allen, Anne Gough, Jesse Peterson, Daniele Valisena. Marie Curie PhD Training Networks (ITN). 2015–2019.

KTH Environmental Humanities Laboratory

The KTH EHL was founded in 2011 and started operation in early 2012 as a cross-cutting unit of the Division of History of Science, Technology and Environment at KTH. It was part of long term efforts in the Division to foster the Environmental Humanities. The immediate reason for its founding was a generous donation from industrialist Carl Bennet, which was matched by internal KTH funds. The KTH EHL has developed well under its initial phase and has already achieved a high visibility. It can also be seen as the humanities element of

the recent campus-wide KTH Sustainability Initiative (KTH-S). The work in the KTH EHL is built on the extensive research developed in the Division in the last two decades, especially in the fields of history of technology, science and energy and in STS. Those areas remain at the core of the KTH EHL though it has also expanded in other directions such as environmental history, eco-criticism, and political ecology.

PROJECT LEADER: Marco Armiero. Bennet donation. Multiple grants from EU H2020, Formas, KTH Sustainability, Leric Foundation, Barbro Osher Foundation, and others.

Occupy Climate Change (OCC!)

OCC!'s team will delve into the practices of self-organization and solidarity experimented by grassroots groups, researching which kind of knowledge is being produced and whether these practices can be scaled-up beyond "militant particularism" (Harvey &



Workshop with Occupy Climate Change! on Contesting Loss & Damage, Stockholm, 5–6 March 2020.

Williams 1995) and the specificities of the single case. The project will produce both a global database (The Map of the other worlds) documenting cases of grassroots initiatives that tackle climate change and an in-depth case study analysis on urban experiments from Europe (Stockholm, Naples, Istanbul), the US (New York City), and Latin America (Rio De Janeiro). OCCI's key objective is to test which grassroots responses to loss and damage have been successful, why, and on what scale.

PROJECT LEADER: Marco Armiero.

PARTICIPANTS AT THE DIVISION: Marco Armiero, Sverker Sörlin, Roberta Biasillo, Salvatore Paolo De Rosa, Ethemcan Turhan, Ilenia Iengo. The Swedish Research Council Formas. 2017–2022.

HICCUP — Heterogeneous Infrastructures of Cities in Uganda Project: Thinking Infrastructure with the South

Building on African urbanist literature, the HICCUP project challenges the notion of the “infrastructure ideal”, the goal that service provision should be created through a uniform solution throughout the city. Instead, the project focuses on describing and analyzing the much wider landscape of infrastructure configurations that poor urban dwellers have created and fought for to improve services in relation to state and private sectors. This landscape of “heterogeneous infrastructure configurations” is deeply embedded in everyday realities, while connected to local-to-international geographies and networks. In close collaboration with Makerere University in Kampala, we are developing in-depth urban infrastructure ethnographies, which will be complemented with historical archival research and oral histories, alongside the spatial mapping of formal/informal infrastructure arrangements across Kampala.

PROJECT LEADER: Henrik Ernstson.

PARTICIPANT AT THE DIVISION: Henrik Ernstson. Swedish Research Council (VR). 2016–2019.

Policies and Practices That Have Shaped the Baltic Sea: An Exploratory Study

The aim of this project is to investigate the decisions and policies that govern or control the environmental work in the Baltic Sea. Focus will be on key actors in science and governance in, for example, Ices (The International Council for the Exploration of the Sea) and Helcom (Baltic Marine Environment Protection Commission – Helsinki Commission). We want to analyze how the conceptual development has influenced policy work and how it can continue to influence the way the administration chooses to act.

PROJECT LEADER: Susanna Lidström.

PARTICIPANT AT THE DIVISION: Johan Cederqvist, Susanna Lidström, Sverker Sörlin. Richert Foundation. 2018–2019.

Understanding Marine Environmental Change: Ocean Narratives from 1950 to the Present

Oceans are key indicators of global environmental change and play a central role in the earth's climate, especially the high seas with its vast volumes of water. At the same time, the high seas are a difficult environment to govern and protect. Marine scientists argue that the way we have understood the oceans in the past needs to be radically changed in order to facilitate more and better marine policies and protection. To effect that change, we need not just new science and technologies but also profoundly new stories that can transform how we regard the sea. This project studies how these new stories take form in the genre of non-fiction ocean literature and examines public science writing about the sea in relation to contemporary societal and academic developments of environmental thought.

PROJECT LEADER: Susanna Lidström.

PARTICIPANT AT THE DIVISION: Susanna Lidström. The Swedish Research Council Formas. 2016–2020.

Climate Security with Local Authorities (CLISEL): From Insecurity Takers to Security Makers – Mobilizing Local Authorities to Secure the EU Against the Impacts of Climate Change in Third Countries

CLISEL explores the climate-security nexus from the perspective of local authorities and communities, based on the idea that innovations in the exercise of regulatory power at local level can contribute to enhance the understanding of the indirect security implications of climate change in third countries. In particular, CLISEL looks at the issue of climate-induced migration, an issue often cited as an indirect security dimension of climate change, from the perspective of local administrators in Sardinia (Italy). The aim is to understand the extent to which migrants from ecologically vulnerable third countries are perceived as a security issue, the reasons why that is (not) the case, as well as the policies and actions through which local administrators can ward off the emergence of a security crisis within their territory.

PROJECT LEADER: Ilenia Ruggiu (University of Cagliari).

PARTICIPANTS AT THE DIVISION: Marco Armiero (Local Coordinator), Ethemcan Turhan. European Commission H2020. 2016–2019.

Study of the Planetary Human-Earth Relationship (SPHERE): The Rise of Global Environmental Governance

The project is a historical study of humanity's relation to planetary conditions and constraints and how it has become understood as a governance issue. The key argument is that Global Environmental Governance (GEG), which has arisen in



response to this issue, is inseparable from the rise of a planetary Earth systems science and a knowledge-informed understanding of global change that has affected broad communities of practice. The overarching objective is to provide a fundamentally new perspective on GEG that challenges both previous linear, progressivist narratives through incremental institutional work and the way contemporary history is written and understood.

PROJECT LEADER: Sverker Sörlin.

PARTICIPANTS AT THE DIVISION: Sverker Sörlin, Christina Goldhar, Jasmin Höglund Hellgren, Sabine Höhler, Erik Isberg, Eric Paglia, Gloria Samosir, Thomas Harbøll Schrøder. European Research Council (ERC). 2018–2023.

Community-Responsive Adaptation to Flooding in Kibera, Nairobi, Kenya

Flooding constitutes one of the biggest challenges to rapidly urbanizing cities today. Community-level approaches are often more about “coping” with flood risk than adapting to it or mitigating it, while government-led initiatives are of mixed success and can even increase risk. Virtually no examples of successful community-government collaboration, combining infrastructure and services, exist. This research tests the theory that soft and hard infrastructure interventions at the local scale are a viable climate adaptation to flooding that bridges this gap. The study will provide critical new

evidence on the viability of community-responsive flood adaptation measures, informing policy in Kibera and other rapidly urbanizing cities across sub-Saharan Africa.

PROJECT LEADER: Anna Tompsett, Stockholm University.

PARTICIPANTS AT THE DIVISION OF HISTORY: David Nilsson. Project financed by The Swedish Research Council & Swedish International Development Cooperation Agency (Sida). 2017–2020.

Towards a Visual Environmental Humanities in the Digital Era: Filming and Writing as a Bimodal Research Practice

The aim of this project is to explore the added value of filmmaking to the Environmental Humanities. The project involves a film trilogy set in Cape Town, Durban-eThekweni and Johannesburg working the intersection urban ecology and postcolonial studies. The project also studies the historical inability of the academy to institutionalise film and visual registers as part of its mode of knowledge production despite a broader visual and digital revolution.

PROJECT LEADER: Jacob von Heland.

PARTICIPANTS AT THE DIVISION: Jacob von Heland, Henrik Ernstson. The Swedish Research Council Formas. 2017–2020.

Plus Ultra: Media and Environment in the Spanish Colonial Empire 1570 – 1620

The project studies the production and mediation of knowledge of the natural world in the Americas around the end of the 16th century, a period that raised a new regime of bureaucratic media infrastructure in which both the gathering and the dissemination of knowledge became systematized and large scale. The colonial history of Spain constitutes a clear example of the rapid building of environments, altering of habitats, and establishment of global networks.



Jacob von Heland and Henrik Ernstson.

The current eco-crisis and the proposition of an Anthropocene epoch is hard to imagine without a development which inaugurated a large-scale exploitation built on global political expansionism and an incessant quest for natural resources. The project analyzes the conditions for this development in the media and infrastructure that allowed for long distance and global-scale governmentality.

PROJECT LEADER: Adam Wickberg.

PARTICIPANT AT THE DIVISION: Adam Wickberg. Swedish Research Council (VR). 2017–2020.

Understanding Justification of Climate Change Non-action

For most people, to act against our conviction results in discomfort, sometimes called cognitive dissonance. Our hypothesis is that we try to manage this dissonance by justifying our choices in different ways,

both individually and on a collective level. The gap between knowledge and action has been studied in a number of disciplines. We want to investigate further how these legitimization processes work for people in their everyday life in Sweden by using the Aristotelian topos theory. We also want to find out how these topoi are addressed in the public discourse on climate change and transition. Our unique contribution is to study these processes as culturally situated, but also as an internal dialogue.

PROJECT LEADER: Nina Wormbs.

PARTICIPANTS AT THE DIVISION: Nina Wormbs, Maria Wolrath Söderberg. Riksbankens Jubileumsfond: The Swedish Foundation for Humanities and Social Sciences. 2018–2022.

InsSciDE - Inventing a Shared Science Diplomacy for Europe

The Environment Work Package (WP7) intends to trace how environmental monitoring has long been an important resource for science diplomacy precisely because it challenges the notion of fixed boundaries between scientists and diplomats, and between the natural world and international affairs. Understanding its workings in the past and the present can lead to an assessment of how it might be made more effective in the future.

PROJECT LEADER: Nina Wormbs.

PARTICIPANT AT THE DIVISION: Nina Wormbs, Miyase Christensen. European Commission H2020. 2017–2022.

GEOGRAPHIES OF HERITAGE AND LANDSCAPES

SPOOR-Mistra Sport and Outdoor

PROJECT LEADER: Sverker Sörlin. Mistra. 2020–2024.

Cold War Coasts: The Transnational Co-Production of Militarized Landscapes

Cold War Coasts explores the pervasive role of the military in shaping the Baltic Sea's coastal landscapes since 1945 – and the practical challenges that the legacies from the Cold War period give rise to today. Our point of departure is a dissatisfaction with the “methodological nationalism” that so far characterizes nearly all research in the intersection between military and environmental history. We counter this by developing a genuinely transnational approach, scrutinizing how coastal landscapes on opposite shores have been – and continue to be – “co-produced”. The project targets three broadly defined regions in Sweden and the former Soviet Union: Stockholm archipelago plus Gotland; northeastern Estonia's archipelago and coasts; and southern Latvia's militarized coastscapes.

PROJECT LEADER: Per Högselius.

PARTICIPANTS AT THE DIVISION: Per Högselius, Anna Storm, Kati Lindström. The Swedish Research Council Formas. 2018–2021.

Sustainable Communities and Heritage Politics Beyond Nature-culture Divide: Heritage Development as a Strategy Against Depopulation in Japan

The aim is to analyse the use of heritage development as a possible strategy against depopulation, by comparing how

different types of heritage relate to the local communities. The project carries out qualitative analyses of 7 heritage nominations from four different categories (cultural landscape, natural, industrial and archaeological heritage) in Japan and asks which of the four types benefits the related communities best (economically, socially, culturally), how they are impacted by depopulation and changing community structures and how do local governments envision heritage maintenance with reduced population. It is expected that the results of the study serve as reference to heritage developers in depopulating communities worldwide.

PROJECT LEADER: Kati Lindström.

PARTICIPANT AT THE DIVISION: Kati Lindström. The Swedish Research Council Formas. 2018–2022.

The Movement Heritage

Landscapes which appear as wilderness or nature are often rather shaped by culture. They contain comprehensive traces and remains from different kinds of movement. These traces represent a neglected cultural heritage, the movement heritage. Landscapes of movement have been shaped by hiking, hunting, outdoor life, tourism, sports, and training. The demand for places suitable for movement, training and events continue to grow. We will formulate an expansion of the landscape heritage through one of its most defining practices, movement by foot. This heritage is physical in form of paths, trails and effects on vegetation, but also a local memory landscape or life world with great significance.

PROJECT LEADER: Sverker Sörlin.

PARTICIPANTS AT THE DIVISION: Sverker Sörlin, Daniel Svensson. Swedish National Heritage Board (RAÄ). 2017–2020.

GEOPOLITICS OF SCIENCE AND RESOURCE EXTRACTION IN THE POLAR REGIONS

Mining Heritage as a Resource for Sustainable Communities

In this project researchers cooperate to explore how communities in the Arctic can handle the material and immaterial legacies of mining when building post-industrial futures. We use approaches from industrial and cultural heritage studies, history, archaeology, and physical geography to understand how communities can deal with legacies of mining – societal as well as environmental. Through field research, archive work and interviews with stakeholders, we explore how even the most physically resistant mining legacies are constantly open for reinterpretation by different groups and thus able to support different visions for the future of local communities. With mining in the Arctic as a subject of intense contemporary debate and the future of mining communities in Norrbotten under considerable scrutiny, lessons from around the Arctic can help inform responsible decision-making.

PROJECT LEADER: Dag Avango.

PARTICIPANTS AT THE DIVISION: Dag Avango, Peder Roberts, Camilla Winqvist. Swedish Research Council (VR). 2016–2021. (Moved to LTU in 2020.)

Mining Heritage as a Resource for Sustainable Communities: Lessons for Sweden from the Arctic

This project is conducted in close interaction with the Nordic Centre of Excellence REXSAC – Resource Extraction and Sustainable Arctic Communities. The project examines the legacies of mining in the context

of communities around the northern parts of the Nordic countries, in order to inform contemporary discussions on the future of mining communities in northern Sweden. The material remains of mining – from ecological damage to operational equipment and transport infrastructure – persist long after the end of activities and the end of mining-generated income. Mining sites are often sites of cultural memory, central to the identity of the communities that depended upon them. Yet different communities have taken very different approaches to these legacies, from actively incorporating them into new economies (tourism in particular) to leaving them behind with no further consideration.

PROJECT LEADER: Dag Avango.

PARTICIPANTS AT THE DIVISION: Dag Avango, Peder Roberts. The Swedish Research Council Formas. 2016–2020. (Moved to LTU in 2020.)

Greening the Poles: Science, the Environment, and the Creation of the Modern Arctic and Antarctic

This project investigates how and why environmental concerns have become so important to our conceptions of the polar regions today. Through a historical study of both the Arctic and Antarctic from 1945 to the turn of the past century, the project explores the connections between how environments are described – particularly through the natural sciences and economics – and the judgments made about how those environments should be administered. The key hypothesis of this project is that the process of describing an environment cannot be separated from the process of controlling and managing it. GRETPOL will produce a new understanding of how far from being the passive frames for human action, environments (in the polar regions but indeed also beyond) are constructed by human agency.

PROJECT LEADER: Peder Roberts.

PARTICIPANTS AT THE DIVISION: Peder Roberts, Tayana Arakchaa, Dmitry Arzyutov, Lize-Marié van der Watt, Kati Lindström, Roman Khandozhko. European Research Council (ERC). 2017–2022.

Resource Extraction and Sustainable Arctic Communities (REXSAC)

REXSAC – Resource Extraction and Sustainable Arctic Communities – is a Nordic Centre of Excellence in Arctic research, funded by Nordforsk and led by the division of history of science, technology and environment at KTH, together with Stockholm University and Stockholm Environment Institute. Together with 12 additional partners in the Nordic countries, REXSAC studies extractive resource industries in the Arctic as cultural, social, economic, and ecological phenomena – from analysis of why resource extraction commences, to what consequences it has for communities in the Arctic and beyond, and what opportunities exist for transitioning toward post-extractive futures.

PROJECT LEADER: Dag Avango.

PARTICIPANTS AT THE DIVISION: Sverker Sörlin, Jean-Sébastien Boutet, Annika Nilsson, Peder Roberts, Camilla Winqvist. Nordforsk. 2016–2021.

On Creating Cultural Heritage in Antarctica

The aim of this project is to explore the processes through which cultural heritage production is used to create collective memories of Antarctica. It addresses the paradox of how cultural heritage can be reconciled with a governance system that limits the accumulation of material legacies of human presence. The framing of cultural heritage protection in Antarctica within environmental protection regulations is significant as it raises particularly important questions about the relationship between

environmental change and cultural heritage. The research draws on methods from history, geography, heritage studies and cultural anthropology.

PROJECT LEADER: Lize-Marié van der Watt.
PARTICIPANTS AT THE DIVISION: Lize-Marié van der Watt, Dag Avango, Kati Lindström. Swedish Research Council (VR). 2017–2020.

HISTORY OF SCIENCE, TECHNOLOGY AND ENERGY

Clinical Breeding: Cattle Reproduction and Veterinary Expertise in Sweden, 1922–1975

The study examines how cattle reproduction became a veterinary expert field in Sweden; the impact this had on dairy farming; and the extent to which knowledge produced in a veterinary and agricultural context was used to understand and intervene in human reproduction. At the core, it is an investigation into how human-bovine relations, veterinary expertise, and reproductive technologies (in the animal and in the human) were co-produced during the middle of the twentieth century.

PROJECT LEADER: Karl Bruno.
PARTICIPANT AT THE DIVISION: Karl Bruno. Swedish Research Council (VR). 2018–2021.

NUCLEARWATERS

NUCLEARWATERS develops a new approach to studying the history of nuclear energy. Rather than interpreting nuclear energy history as a history of nuclear physics and radiochemistry, it analyses it as a history of water. The project develops

the argument that nuclear energy is in essence a hydraulic form of technology, and that it as such builds on centuries and even millennia of earlier hydraulic engineering efforts worldwide – and, culturally speaking, on earlier “hydraulic civilizations”, from ancient Egypt to the modern Netherlands. We investigate how historical water-manipulating technologies and wet and dry risk conceptions from a deeper past were carried on into the nuclear age.

PROJECT LEADER: Per Högselius.
PARTICIPANTS AT THE DIVISION: Per Högselius, Kati Lindström, Anna Storm, Alicia Gutting, Achim Klüppelberg, Siegfried Evens, Roman Khandozhko. European Research Council (ERC). 2018–2023.

Life on Mars: The Science and Fiction of Terraforming and the Future of Planet Earth

This project explores the science and fiction of Mars settlement with the help of terraforming as a creation of new environments in Space as well as blueprints for the technological reconstruction of the Earth’s environment. The aim is to describe the Anthropocene not simply as an epoch that endangers the Earth but primarily as an epoch that



Russian State Archive in Samara, where Achim Klüppelberg and Per Högselius carried out archival research for the NUCLEARWATERS project in 2019. Photo: Per Högselius.

essentially transformed the understanding of life to a minimalist principle of survival through infinite metabolic conversion and technological substitution. This understanding conjoined images of recreation and creation, of paradisiacal pasts and eco-technological futures. The question whether ‘postplanetary’ life, life that is not tied to a specific planet but transcends planetary boundaries, will be possible and desirable may become one of the most challenging questions of our future.

PROJECT LEADER: Sabine Höhler.
PARTICIPANT AT THE DIVISION: Sabine Höhler. Riksbankens Jubileumsfond: The Swedish Foundation for Humanities and Social Sciences. 2018–2021.

HoNESt (History of Nuclear Energy and Society)

HoNESt involves an interdisciplinary team with many experienced researchers and high profile research institutions. HoNESt’s goal is to conduct a three-year interdisciplinary analysis of the experience of nuclear developments and its relationship to contemporary society with the aim of improving the understanding of the dynamics over the last 60 years. HoNESt will embrace the complexity of political, technological and economic challenges; safety; risk perception and communication, public engagement, media framing and social movements; etc. Research on these interactions has thus far been mostly fragmented. We will develop a pioneering integrated interdisciplinary approach, which is conceptually informed by Large Technological Systems (LTS) and Integrated Socio-technical System (IST), based on a close and innovative collaboration of historians and social scientists in this field.

PROJECT LEADER: Arne Kaijser.
PARTICIPANT AT THE DIVISION: Arne Kaijser. H2020 European Commission. 2015–2019.

KNOWLEDGE IN SOCIETY AND POLICY

Engineering Education Ideals, Stereotypes and Role-models: Analysis of Gender, Innovation and Diversity in the Development of Courses Related to Design and Sustainable Products and Services

Projektet handlar om integrering av genus- och mångfaldsperspektiv i kurser som ges till ingenjörstudenter som utbildar sig för att utveckla framtidens produkter och tjänster. Därmed har initiativet fokus på hur dessa aspekter hanteras i praktiken och initiativet avser berika existerande kurser och undersöka förutsättningar för att utveckla nya kurser och kursmoduler som använder de kritiska perspektiv från kurser som exempelvis Genus och Teknik (AK2022). De teman som analyseras i det föreslagna projektet har direkt koppling till de pågående kursaktiviteter hos de två enheter/avdelningar som deltar i ansökan, se tidigare beskrivning av kurser. Det inkluderar kurser med fokus på genus och teknik (AK2022), produktinnovation och tjänstedesign (MF2046, MF2085, MF2038) samt kurser som handlar om olika aspekter av hållbar utveckling (LH233V) och som belyser olika ideal kring ingenjörutbildningen idag historiskt (AK1213).

PROJECT LEADER: Katarina Larsen. 2021–2022.

The Mediated Planet: Claiming Data for Environmental SDGs

The global environment has become subject to an accelerated pace of mediation and datafication. The knowledge, management and governance of the earth system is dependent on enormous flows of data from a ‘vast machine’ of measuring tools.

The ‘mediated planet’ is subject to interpretation and shared human decision-making that should ideally be democratic and guided by the sustainable development goals (SDGs). The aim of this project is to critically research the opportunities and risks in the rapid datafication of the environment in relation to the SDGs for climate change (13), the ocean (14), ecosystems and biodiversity (15) and effective and inclusive institutions (16). We analyze the role of SDGs in generating and aggregating environmental data, identify the effects of datafication and present a framework of trust and participation for future SDG governance.

PROJECT LEADER: Sabine Höhler.

PARTICIPANTS AT THE DIVISION: Sabine Höhler, Susanna Lidström, Sverker Sörlin, Adam Wickberg. The Swedish Research Council Formas. 2020–2024.

Initiative to Support, Promote and Integrate Researchers @Risk in Europe (InSPIREurope,

The InSPIREurope project will forge a coordinated, cross-sectoral, Europe-wide alliance in support of researchers at risk. The project partners are uniquely suited to lead such cooperation as they include (i) leading organizations in supporting researchers at risk including the French and German national funding programmes and the European office of the Scholars at Risk network (ii) organizations with expertise in European and national R&I programmes (iii) leading actors in influencing EU policies on higher education, research and innovation (iv) universities in regions underrepresented in existing support networks and initiatives for researchers at risk. The project will lay the groundwork for a durable support structure in Europe for researchers at risk.

PROJECT RESPONSIBLE AT THE DIVISION:

Nina Wormbs, Horizon 2020/European Commission. 2018–2023.

Universities as Societal Pillars? A Platform for Research on the Impact of University

The proposed project explores how universities operate, how they interact with their environments, and how that interplay shapes how they organize their core activities. The project assumes that universities worldwide share many characteristics but that universities also differ significantly depending on their historical evolution and their local and national embeddedness. To illuminate this, this project will study how universities interact with governments, funders and stakeholders, how they structure their tasks, and how they shape the relationship between funding, organization and the aforementioned activities.

PROJECT LEADER: Mats Benner.

PARTICIPANTS AT THE DIVISION: Mats Benner, Ulrika Bjare, Klara Müller, Linus Salö, Sverker Sörlin, Nina Wormbs. Vinnova. 2015–2023.

Where is Science Going?: Research Governance and Scientific Impact in Asia

The aim of the proposed project is to inquire into the scientific investments made in China, India, Japan, South Korea and Singapore over the last decade (2000–2015), asking how their scientific profiles have evolved in terms of national and international collaboration, renewal and composition of the research cadre, institutional publication and impact patterns. This will in turn be related to the institutional configurations of research governance in the countries. On the basis of this research, we will be able to portray a coherent picture of the evolution of research in these countries and how their research governance model(s) are evolving. We will also be able to shed light on the linkages between these research systems and those of European and North American countries.

PROJECT LEADER: Mats Benner.

PARTICIPANT AT THE DIVISION: Mats Benner. Knut och Alice Wallenbergs Stiftelse (KAW). 2015–2020.

Humanities Knowledge in Swedish Defense Research: Human Sciences at FOA 5

The purpose of the project is to study humanities knowledge in Swedish defense research during the Cold War, focusing on the Swedish National Defense Research Institute (FOA) and the Department of Human Sciences (Avdelningen för humanvetenskap), FOA 5, 1974–1989. The project explores knowledge that FOA 5 produced about human society, how the research was organized, prioritized, distributed as well as its impact. The aim of the project is to create new insights on the significance of humanistic knowledge in the Swedish sectorial research and in the building of modern Sweden. Theoretically, the project builds on, and contributes to, the concept of co-production.

PROJECT LEADER: Fredrik Bertilsson.

PARTICIPANT AT THE DIVISION: Fredrik Bertilsson. Riksbankens Jubileumsfond: The Swedish Foundation for Humanities and Social Sciences. 2018–2022.

Centre for Research Quality and Policy Impact Studies (R-QUEST)

Quality in research is a highly prioritized, but also a much-debated issue in research policy. The Centre for Research Quality and Policy Impact Studies (R-QUEST) constitutes an 8-year commitment to explore the nature and mechanisms of research quality – funded by the RCN FORINNPOL initiative. A central aim of the centre is to understand research assessments, standards and practices in different fields of research. More generally, we aim to help policy makers in their efforts to develop the best framework conditions for high quality research.

PROJECT LEADER: Liv Langfeldt, NIFU, Oslo.

PARTICIPANT AT THE DIVISION: Sverker Sörlin. 2016–2024.

Comparative Higher Education, Policy and Innovation Studies (CHEPIS)

To meet the growing demands and needs of higher education systems and institutions, the field of higher education research and management has emerged in the past half century. Of 274 academic programmes worldwide, two thirds are in the USA whereas China comes second. The UK and continental Europe have about 13 programs, Japan has 6, the rest of Asia, excluding China, has around a hundred. Africa has only 7. Given the demand for higher education studies graduates in the Africa, particularly in Mozambique, and in sub-Saharan Africa, a Consortium between of Universidad Eduardo Mondlane, Maputo, KTH and University of Western Cape (South Africa) has been formed for training of PhD students (7) and postdocs (2). Of the seven PhD students 2 have been enrolled in the Division, all recruited from Mozambican public higher education institutions, particularly UEM. The overarching goal of the project is to strengthen African higher education research and expertise through the training of a new cohort of expertise in higher education, policy and innovation studies.

PROJECT LEADER: Professor Patrício Langa, UEM, Lars Geschwind, KTH (co-PI).

PARTICIPANTS AT THE DIVISION: Mats Benner, Urban Lundberg, Sverker Sörlin, Nina Wormbs. SIDA (Swedish International Development Agency). 2017–2021.

THE POSTHUMANITIES HUB



Toxic Embodiment

Concerns around health and the state of our planet today take on a wider set of issues (and a wider set of bodies) as we interact with climate change, antibiotics, and untested chemical cocktails through the food we eat, the make-up we wear, the new sofas we sit in or the environments we dwell in. “Toxic Embodiment” gathers, bridges and advances a unique multi-disciplinary skill set of gender and justice methodologies across the arts and sciences. Toxic Embodiment collects a team of international scholars from major European research hubs, offering important and underresearched aspects on gender, health and climate change from interdisciplinary and bridge-building gender and justice methodologies.

PROJECT LEADER: Cecilia Åsberg.
The Swedish Research Council Formas.
2014–2019.

Storying Exposures

Storying Exposures operated as a collaborative, interdisciplinary initiative, principally through the design and delivery of two intensive, residential writing workshops occurring in different locations (Sweden and Scotland) where international gatherings of Environmental Humanities researchers had the opportunity to enter into concentrated conversation, skill-sharing, collaborative experiment, and writing praxis.

Thematically, it engages with recent places and theorisations of exposure, toxicity, stress and vulnerability.

PROJECT LEADER: Cecilia Åsberg and Hayden Lorimer, Glasgow University, UK.
PARTICIPANT AT THE DIVISION: Cecilia Åsberg, Janna Holmstedt, Jesse Petersen.
Seed Box, Linköping University. 2018–2019.

Open Humanities Lab Symposium: New Humanities & Anthropocene

A symposium arranged by The Posthumanities Hub that gathered 24 speakers, scholars, artists, educators, academic activists, and journalists, to discuss if the new humanities, transformative and integrative in nature, can become not just relevant to society but also enact real change. Can we have research that is participatory, communicable, and, as Rosi Braidotti puts it, ‘worthy of our times’? Keynote speakers were Hayden Lorimer, Glasgow University, UK, and Norie Neumark, LaTrobe University, AU. 14–15 May 2019, KTH, Stockholm. All panels and keynotes are online here: <https://posthumanities.net/open-humanities-lab-symposium-new-humanities-the-anthropocene/>

PROJECT LEADER: Cecilia Åsberg.
PARTICIPANT AT THE DIVISION: Cecilia Åsberg, Janna Holmstedt, Marco Armiero, Adam Wickberg, Sverker Sörlin.
Seed Box, Linköping University. 2018–2019.

Popularizing Environmental Humanities: Film and Media Resources for Young Adults Pondering the Stakes for the Future

This project is the brain child of Lotten Wiklund, science journalist, and Prof. Cecilia Åsberg, The Posthumanities Hub. It was developed as a participatory process by Dr. Janna Holmstedt, and is co-created together with a group of third grade students attending Samhällsvetenskaps-programmet

at Bromma gymnasium in Stockholm, and the researchers in The Posthumanities Hub. The purpose is to explore methods for communicating environmental humanities in a digital and social media context through film and arts-based methods.

PROJECT LEADER: Cecilia Åsberg.
PARTICIPANT AT THE DIVISION: Cecilia Åsberg and Janna Holmstedt. The Swedish Research Council Formas. 2017–2019.

On Common Ground: Synthesizing Feminist Environmental Humanities for Climate Change Action

The research first surveys and synthesizes the state of the environmental humanities (EH) field from its origins to the present, with special attention to gender studies and feminist interventions underpinning both its foundational and its current insights. Building upon this largely academic work, we in the second half of this project focus on creating “translational humanities” for interested stakeholders. In transforming the academic syntheses into an accessible handbook for climate actors and to several new Wikipedia entries, we enact the very activist work that we believe is foundational to creating real-world solutions to climate change.

PROJECT LEADER: Cecilia Åsberg with co-pi: Lauren LaFauci, LiU. The Swedish Research Council Formas. 2018–2019.

Reclaiming Futures and Storying Change: Participatory Media Production with Young Adults Facing Wicked Climate Challenges

This project builds on the successful methods created in the pilot project “Popularizing Environmental Humanities”. Young adults today live in a world of mediatized tension, where existential, ethical and political powerlessness gets entangled with a climate crisis they are often, paradoxically, called

upon to solve. Integrative learning is key to how existential insights can be communicated in processes offering reciprocal encounters between researchers and pupils, society and academy, science and art. The goal is to enable new ethical and existential insights that empower and counteract apocalyptic apathy for young adults through arts-based methods and film making.

PROJECT LEADER: Cecilia Åsberg.
PARTICIPANT AT THE DIVISION: Cecilia Åsberg and Janna Holmstedt. The Swedish Research Council Formas. 2020–2024.

Posthumanism Research Network

This network, headed by the Posthumanism Research Institute at Brock University, Canada, seeks to investigate the status and limits of the “human” in an era in which multiple crises – global warming, superintelligent computers, genetic engineering, and species extinction, to name a few – mark the precariousness of exclusively human-centred practice and thought. Our transdisciplinary research network, a collaboration with other likeminded centres, institutes, and scholars across the globe, is committed to the idea that humanity’s perseverance in the coming centuries will require collaboration with agents (animal, vegetable, fungal, viral, mineral, and digital) besides those formerly classified as “human.”

PROJECT LEADER: Christine Daigle, Brock University, Canada.
PARTICIPANTS AT THE DIVISION: Cecilia Åsberg. SSHRC – Social Science and Humanities Research Council Canada. 2017–2020.

Gender & Sustainability: Introducing Feminist Environmental Humanities

This new electable course (FAD3115) in the doctoral program, Art, Technology and Design (7,5 credits), is an educational effort for the integration of knowledge on gender

equity in sustainable development research, provided by the KTH School of Architecture and the Built Environment. The online PhD course combines critical and creative perspectives on gender and sustainability from the emerging field of environmental humanities as it overlaps with science, technology, humanities, art and feminist theory-practices. Teachers: Cecilia Åsberg, Meike Schalk, Marietta Radomska, and Janna Holmstedt.

PROJECT LEADER: Cecilia Åsberg and Meike Schalk.

PARTICIPANT AT THE DIVISION: Cecilia Åsberg and Janna Holmstedt. KTH Sustainability and Equality Office. 2020.

Checking-in with Deep Time Clocks – Re-configuring Intergenerational Justice and Hope

How can we re-tie the material and immaterial knots between past, present and future generations? What might be ways forward to check in with our postnatural and materializing clocks? This project is methodologically innovative and aspires to have high impact on the approaches to sustainability, intergenerational justice and care in postnatural heritage management. It focuses on the politicization of the long-term within the natural/cultural heritage sectors, and on how vernacular temporalities are met and transformed on site at Gärstadsverken (a garbage disposal site situated on an Iron Age archaeological sanctuary), alongside theoretical work on intergenerational justice and care where traditional theories are compared to those of feminism and the environmental humanities.

PROJECT LEADER: Christina Fredengren, Stockholm University.

PARTICIPANTS AT THE DIVISION: Cecilia Åsberg. The Swedish Research Council Formas. 2017–2020.

URBAN SOCIAL ECOLOGIES AND INFRASTRUCTURES

NATURE: Examining Nature-society Relations Through Urban Infrastructure.

Historically, the modern infrastructure ideal has dominated the imagination of engineers and planners. As a consequence, urban water and sanitation networks comprising of pipes, pumps, and reservoirs, have largely been built in the same way all over world. However, the multilayered challenges experienced by cities worldwide demand a new approach as part of imagining future urban infrastructures. Building on recent urban scholarship, we mobilise the concept of ‘Heterogeneous Infrastructure Configuration’ (HIC) to advance theoretical and empirical insights on nature and society relations in urban regions where heterogeneous infrastructures and networks are – or are about to become – challenged. We will combine theoretical insights with grounded empirical work in Guwahati (India) Stockholm (Sweden) and Kampala (Uganda). These three cities are at interesting historical junctures in terms of their water infrastructures and appear to be breaking out of the modern infrastructure ideal. The project is timely in its attempt to learn across Northern and Southern urban experiences and will generate new insights about how to create more socially inclusive and resilient urban infrastructures.

PROJECT LEADER: Timos Karpouzoglou. RJ Stiftelsen Riksbankens Jubileumsfond. 2020–2023.

SOS Climate Waterfront

Linking Research and Innovation on Waterfront through Technology for Excellence of Resilience to face Climate Change The project is addressing the pressures on urban waterfront areas and how engineering and architecture solutions in city planning can be cross-fertilized by skills and tools for design and visualization of water in urban context. The project and workshop activities also includes workshop activities with researches and public agencies, drawing on understanding the history of the urban landscape, social sciences, arts and humanities to discuss future urban solutions to cope with consequences of climate change and other pressures on waterfront areas in urban settings.

During year 2020 the ABE-school at KTH was invited to join an EU-initiative in the H2020-programme “Stimulating innovation by means of cross-fertilization”. In addition to Swedish participation, other countries involved in this programme is Portugal, Greece and Poland. Project initiatives includes exchange activities and workshops and digital webinars.

PROJECT LEADER: Lina Suleiman, Urban and regional studies KTH.

PARTICIPATION AT THE DIVISION: Katarina Larsen. H2020, Funding scheme: MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

WATERFLOW: Making the Water Flow: Conflict(s) and Cooperation Between Formal and Informal Urban Water Regimes in Asia and Africa

Historically cities have built their water infrastructures based on the principle of universal coverage that relies heavily on formal water supply (“the piped paradigm”). However, formal water regimes have often failed to meet the demands of all the urban water users. Importantly, the urban poor

that live in informal settlements still rely heavily on informal water regimes to meet their everyday water needs. Informal water regimes tend to emerge outside the formal water network and typically rely less on pipes and more on market driven arrangements, such as water tankers, reverse osmosis drinking water bottles, and water softeners. Building on socio-technical and urban political ecology scholarship, we will investigate how conflict and cooperation occurs between formal and informal water regimes in Asia and Africa. The study will be based on empirically grounded fieldwork in Gurgaon, India (Asia case study) and Nairobi, Kenya (Africa case study). With our study, the aim is to improve the co-existence of formal and informal water regimes, a key step towards achieving sustainability in urban water provision and equity in water access and distribution. We further aim to learn across different urban experiences in the Global South that will help us re-think the relationship between formality and informality in the provision of urban services such as water. The project will span across 2 years and will consist of an interdisciplinary team of scholars from Sweden, Asia and Africa.

PROJECT LEADER: Timos Karpouzoglou. Formas The Swedish Research Council. 2019–2022.

Ensuring Sustainability and Equality of Water and Energy Systems During Actor-driven Disruptive Innovation (SEQWENS)

Improved energy efficiency in buildings contributes to global and national goals for environment and climate. Recovery of heat from wastewater is a promising technology but may become disruptive for the city-wide systems for water and heat. The aim of this project is to assess the system effect of on-property heat and water installations, including social consequences, in support of a smooth transition towards a climate-smart society.

We use case studies in Stockholm, Gothenburg and Värmdö, where different on-property solutions are already being tested. We assess the co-evolution of technology, actors and society, and how new technology redistributes benefits and costs among the societal actors.

PROJECT LEADER: David Nilsson.

PROJECT PARTICIPANTS AT THE DIVISION: Timos Karpouzoglou. Project financed by The Swedish Research Council Formas. 2018–2021.



The moment the water tanker of the Delhi Water Company (Delhi Jal Board) arrives in Rwata, a peri-urban village on the outskirts of Delhi, India. Photo: Timos Karpouzoglou.

Publications

— COMPILED BY
KLARA MÜLLER
SVERKER SÖRLIN

The list below is based on the DiVA data base, both the individual items and (by and large) the classification of entries. In the small minority of cases where the first author of a publication is not a Division/EHL member, the contributor/s name/s appear in **bold** for visibility (does not apply to the “Media” section).

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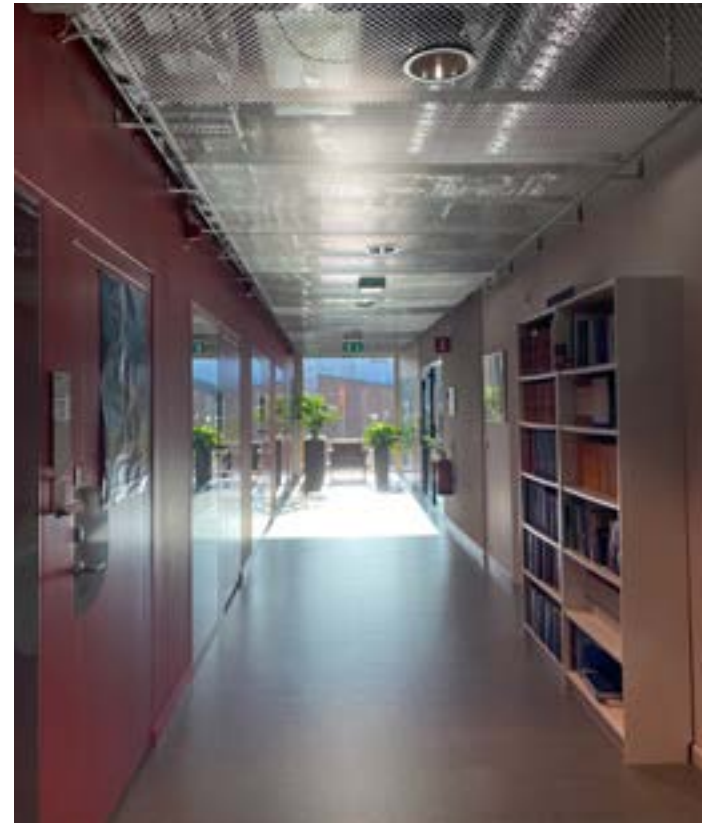
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