

THE SEED BOX

Initiating an Environmental Humanities Collaboratory



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Introduction

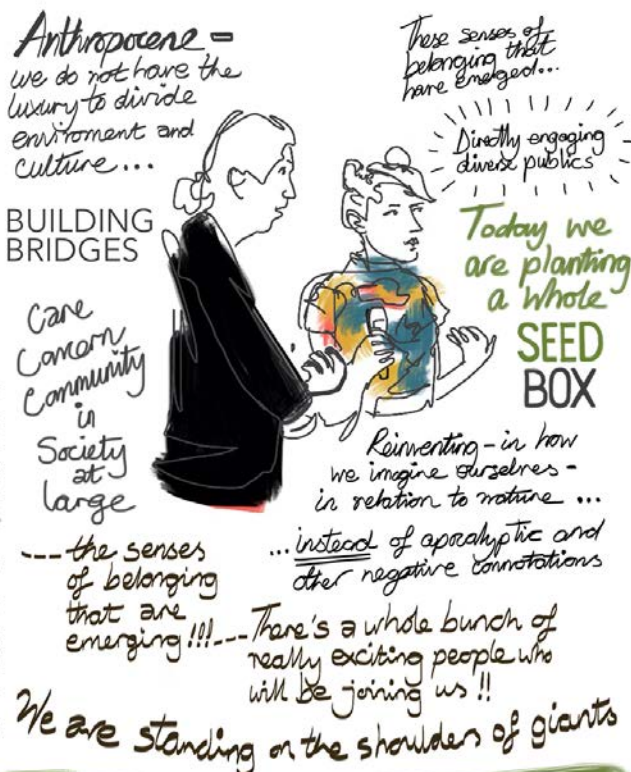
■ Research and discussions of the environment, particularly of climate change and its effects on life on this planet, have for a long time been framed by questions and approaches developed within the sciences. This scientific approach has been crucial to a full understanding of the bio-geo-chemical aspects of environmental change, helping us develop a working road map for the future. At the same time, such scientific knowledge is not separate from our human societies, where it is mediated, narrated, and reflected upon. While the scientific knowledge is invaluable to our understanding, our modern publics require other frameworks for understanding this knowledge's impact on the cultural worlds we inhabit.

■ Moreover, what was once identified as a distinct field or object of study – “nature” – can no longer be thought of in this way. Instead, we see that nature is always-already intermingled with its one-time opponent, “culture.” There is no pristine state of nature that can be restored. Everyday experience as well as advanced research alike force us to reconsider this opposition and approach these two as intertwined, as naturecultures, which in turn transform our understanding of environmental history and history at large.

■ The humanities and social sciences are thus crucial to environmental research. Surely, this claim is not an entirely new one: ecocriticism in the field of literature, environmental philosophy, and environmental history, for example, have strong traditions going back several decades. But these disciplines and several others are also, currently, experiencing a rejuvenation and a vitalizing transformation – by the development of a more multifaceted, viable, and socially relevant humanities that encompasses nature, animals, and ecological relations as well as social differences, everyday practices, media ecologies, artistic work, other sciences, and alternative narratives and imaginaries of the environment.

■ It is at this juncture that The Seed Box: A Mistra-Formas Environmental Humanities Collaboratory, started in the fall of 2015 and financed by Mistra and Formas, is built. The Seed Box is a transdisciplinary research program and a pilot case for developing a new and viable form of Environmental (or Ecological) Humanities (EH) that wants to:

- Think through, analyze, and read ecologies while still being a part of them, not observing them from above
- Challenge and complicate dominating narratives on the environment through critical approaches, creative endeavors, justice-oriented perspectives, and other forms of integrative approaches



- Build bridges between disparate narratives on nature and the environment, and among fields of knowledge, disciplines, and social communities.

■ In this endeavor, the research and the activities linked to the program are guided by four pervasive problems in our relationship to environmental issues. They can be summarized as follows:

1. An alienation toward issues of environmental concern and a sense of nature's intangibility in affluent, urban, or high-tech settings.
2. A view of environmental issues as primarily questions of technocratic management and/or post-political approaches.
3. A predominantly negative and even apocalyptic tone in discussions, narratives, and imaginaries of the environment.
4. The compartmentalization of environmental problems from other salient matters such as the globalization of capital, the speed of technological advance, or new forms of colonialism.

■ These problems are to be addressed, analyzed, and solved within the different research projects in the program, which are collected in the program's portfolio. Initially this portfolio consisted of the following central research areas, Deep Water, Deep Earth, Deep Time; Green Futures; Toxic Embodiment; and Weather and Climate Change. The portfolio is however dynamic – just like research as such – and might thus be supplemented, over time, with new areas of research.

■ The long-term goal of the Seed Box program is to establish a high-quality international research institution and a national hub for Environmental Humanities at Linköping University.

■ The short-term goals of the program during its initial 4-year period are:

- To establish a four-year research hub as a developmental scheme and pilot platform for a permanent environmental humanities consortium, explicitly committed to supporting all new and developing centers involved in EH in Sweden;
- To confirm Sweden as world leading in advanced transdisciplinary EH scholarship, and to contribute to a systematic transnationalization and interdisciplining of Swedish EH research;
- To advance the field of EH in both established and emerging directions, focusing on top priority issues, and with an overarching commitment to methodological and conceptual innovation;
- To create a high-quality international research environment which is intellectually attractive, stimulating, and challenging, as well as mutually supportive for both senior and junior scholars;



- To further an applied (yet philosophically advanced) citizen dimension within environmental humanities.

■ In order to reach these goals, The Seed Box has been organized as a three-part structure, including: 1) a consortium – or “collaboratory” – of 13 partner universities in Sweden and around the world (Australia, Canada, The Netherlands, UK, USA), which collaborate on conferences, in projects, and so on; 2) capacity building activities, such as a PhD research school, a post-doc exchange program, and funding of artistic and research projects (“Seed Money”); and, finally, 3) a large portfolio of research projects, some financed by the program. There are certainly overlaps between these three parts, and they are entangled in some ways, but still this structure functions as an image of the program as a whole, including its different kinds of activities, its scope, and its ambitions.

■ The following pages present activities and accomplishments of the research program's first year. We use the three-part structure outlined above as a model for this report's composition: first, we give a brief presentation of the consortium's activities and work, e.g., conferences and networking of different kinds. Next, we give some examples of how the capacity-building work has developed, and here a focus will be on the PhD research school, the post-docs, and the work with Seed Money research funding. Finally, we offer a section with illustrative samples from the main research areas in the program's portfolio: Deep Earth, Deep Time, Deep Water, Green Futures, Toxic Embodiment, and Weather and Climate Change. After these narrative accounts, the report closes with lists of activities and publications from the first year of the program. Since collaboration, coordination, networking, and the establishing of an international hub for Environmental Humanities are important goals for The Seed Box, this report also presents projects and activities that emanate from other sources, but in different ways have affiliated themselves with The Seed Box Program and, thus, contribute to the growth of the network. It is our hope that the annual report will convey both the vitality, complexity, and importance of both the field of Environmental Humanities and The Seed Box program in all its manifold manifestations.

The Consortium: The Collaboratory

■ The Seed Box consortium—or the Environmental Humanities Collaboratory (EHC), as we designate it, in order to underline both the collaborative and the experimental work taking place—consists of six Swedish and seven international universities with established competencies in environmental humanities:

1. Linköping University (the host institution)
2. Uppsala University
3. Blekinge Institute of Technology (BTH)
4. Stockholm University
5. Örebro University
6. Royal Institute of Technology (KTH)
7. Goldsmith's University of London, UK
8. Queen's University, Canada
9. University of Texas at Arlington, USA
10. University of Sydney, AUS
11. University of Western Australia, AUS
12. Utrecht University, The Netherlands
13. Western Sydney University, AUS

■ One or more faculty members from each consortium university serve(s) as the primary contact point(s) and liaison(s) between the host institution, Linköping University, and the collaborating university's environmental humanities efforts. These liaisons communicate important Seed Box news, events, and developments, such as the annual call for Seed Funding, and they represent the Seed Box at their home universities and at events around the world. These faculty members also facilitate research collaborations between Swedish and international scholars. Thus, the consortium – our Environmental Humanities Collaboratory – is putting Swedish environmental humanities on the map with a distinct, internationally relevant profile.

■ During our program's first year, the primary work concerning the consortium has focused on developing its formal legal platform. To join all 13 partners, we negotiated a consortium agreement, and, with that in place, we then developed separate agreements for efforts that will be undertaken with specific partners. For example, agreements are already in place with Uppsala University and the Royal Institute of Technology, for their Seed Box-financed PhD Students; also an agreement is in place with University of Sydney, which hosts one Seed Box postdoctoral fellow. As a result of further work during year one, representatives from six other consortium universities will soon host six new postdoctoral fellows in the academic year 2017–2018. Together with our two Linköping-based postdocs, these additional young researchers will cultivate environmental research around the world while maintaining a connection to our Swedish hub. During academic year 2017–18, we will—with the aid of our collaborators—develop a program that enables these young scholars to visit one another, present work at other consortium universities, and generally strengthen the collaborating networks of the Seed Box worldwide. Also during the coming academic year, we aim to strengthen our consortium network by co-hosting workshops and conferences, and by providing digital collaboration space (i.e. through Basecamp and similar tools) on our new digital platform. The latter will be launched in April 2017.

■ To give a brief example, from the first year, of the collaborative and transnational activity within the consortium, one might bring up the symposium “Hacking the Anthropocene”, April 7–8, 2016, which was organized by professor Astrida Neimanis, University of Sydney, and leader of the research area “Deep Water” in the Seed Box program research portfolio. The event gathered a number of people engaged in the Seed Box consortium – among others, one of the program's initiators from



● The Seed Box Collaboratory

Linköping University
Uppsala University
Blekinge Institute of Technology
Stockholm University
Örebro University
Royal Institute of Technology (KTH)
Goldsmith's University of London, UK

Queen's University, Canada
University of Texas at Arlington, USA
University of Sydney, AUS
University of Western Australia, AUS
Utrecht University, The Netherlands
Western Sydney University, AUS



Linköping University, professor Cecilia Åsberg, who also gave one of the keynote lectures. The symposium was framed as a critical discussion focusing on one of the most important, but also most complicated and debated concepts in the discussion of the environment today, the Anthropocene, first articulated, in its more well-known version, by the chemist Paul Crutzen in an article from 2000.

■ The framework for the event was described by Astrida Neimanis as follows:

“The Anthropocene names a new geological epoch where ‘Man’ is a determining cause of planetary systems change. But who and what is missing in this headline of ‘humans destroying the planet’? This symposium offers critical and creative interventions into Anthropocene-talk and Anthropocene-practice. Planetary responsibility and situated knowledges entwine in propositions for social and environmental justice, in their broadest terms. Bodies, texts and artworks converge in old and new forms of politics, biophilia, and earthly accountabilities. Hacking the Anthropocene demands critical scholarship and exacting arguments, but it also requires new forms of knowledge and new kinds of conversations.”

■ The focus on the new here is important. One facet of the humanities to be approached in The Seed Box program is about developing new and transdisciplinary research methods – engaging scholars from different disciplines as well as artists and practitioners from other fields where the production of knowledge is at stake.

There is an “experimental” and “explorative” component in the work to be done. In accordance with the goals and guiding lines of the program – not least observing the importance of addressing a wider audience and cultivate the “citizen humanities” perspective – both scholars and artists took part in the event in Sydney, which thus, in many regards, can be considered as exemplary.

■ Another illuminating example from within the consortium from the first year is the cooperation between the Seed Box and Edinburgh Environmental Humanities network, that are a part of the EHC. David Farrier and Michelle Bastian from Edinburgh hosted three workshops on the theme “Unexpected Encounters with Deep Time” and generously invited Christina Fredengren and Lauren La Fauci from Stockholm University and Linköping University, respectively, to participate. The first workshop explored how deep-time materialities are experienced in everyday life and what effects such encounters may have, for example for facilitating a move from ethical thinking to ethical action in environmental matters. The next workshop explored how deep-time thinking may have a bearing on climate violence of all types, and how to respond to such challenges through hospitality, mourning, fear or ignorance. The last workshop dealt with “hauntings” as in how the Anthropocene connects the present with past, present, futures well beyond human imagining and experience, and took the figure of the ghost to explore the uncanny sides of time. For more on this project, (see <http://www.environmentalhumanities.ed.ac.uk/project>).

■ These are just two samples from the concrete collaborative activities taking place within the consortium or EHC. It is a work in constant process and progress. It will evolve and take different shapes with the continuation of the program, and ultimately strengthen both the national research hub at Linköping University and the international networking in the field of environmental humanities.



Capacity-Building Activities

■ Environmental Humanities is an emerging field within and beyond Sweden. Compared to more established areas of research and study, many of the capacities Environmental Humanities have at their disposal—such as technical infrastructure, networks, communication channels, and established systems for research dissemination—are still developing. It is therefore an important ambition of the Seed Box to create and develop ways for Environmental Humanities researchers, artists, and users to connect with each other, and with different sectors of culture and society, across different research and artistic endeavors and over time. Accordingly, the program's capacity-building efforts are motivated by the promise of a coordinated field of research, where otherwise scattered initiatives are brought closer in intensified dialogue, continuity, and exchange of all kinds.

■ The following text describes some of the concrete capacity-building activities we have accomplished in the Seed Box's first year. Here, the Seed Box research school and postdoctoral training seek to train the next generation of scholars and to establish structures for conveying, developing—and encouraging the creation of—field-specific knowledge and skills. One of our most important capacity-building activity was our first call for Seed Funding of environmental humanities projects. Aside from being a way to further research and artistic work within the environmental humanities, this call for funding is also a way of connecting new initiatives to the Seed Box, and—through inviting scholars and artists in the field to express what they perceive as current and urgent concerns—also to conduct a bottom-up inventory of the field as it develops.

THE NEXT GENERATION OF SCHOLARS: PH.D. AND POSTDOCTORAL TRAINING

1) The Seed Box Research School in Environmental Humanities

■ In spring 2015, the Seed Box announced several Ph.D. positions to be filled at Linköping and two of our Swedish consortium partner universities, the Royal Institute of Technology and Uppsala University. The program enrolled five students in fall 2015; one subsequently withdrew from the program due to personal reasons. Thus, a new Ph.D. position was advertised and filled in the fall of 2016.

■ Seed Box leaders organized the coursework for the Ph.D. students to unfold over the course of the first year

of the program. Most of the instruction took place at the host institution, Linköping University, but some also took place at consortium institutions, including KTH and Uppsala University. Scholars affiliated with the Seed Box—most from the host and consortium universities, but also from outside of those institutions—provided instruction for the Seed Box Ph.D. students and other interested graduate students working on environmental humanities topics. Courses included:

- Introduction to Environmental Humanities (7.5 ECTS)
- Key Concepts for Environmental Humanities (7.5 ECTS)
- Tradition and Transition in the Environmental Humanities (7.5 ECTS)
- Environmental Humanities Methodologies, Part I: Advanced Research Methods in Thematic Studies (7.5 ECTS)
- Environmental Humanities Methodologies, Part II: Advanced Methodologies (5 ECTS)
- Imagining, Planning, Worlding (7.5 ECTS)
- Environmental Humanities Thesis Proposal (10 ECTS)

■ The courses' aims were manifold, but primary among them was the creation of a lively and bridge-building peer support culture among the students, who in turn make up the young intellectual core of the Seed Box. This first cohort of Seed Box Ph.D. students has already built this community, where they are contributing insightful discussions and innovative methods through their nascent dissertation projects.

■ The courses also introduced the students to the developing field of EH, including its founding texts and newer ones that challenge those, so as to foster both contemporary literacy and historiographical belonging in the field. The curriculum foregrounded key theoretical texts in interdisciplinary areas such as science and technology studies, sociology, urban planning, gender studies, ethics, human-animal studies, and postcolonial studies, among others. It also fostered the creation of new kinds of academic production and story-telling practices, including creative writing, blog writing, and short films as well as traditional academic papers, project plans, and dissertation prospectus writing. Finally, and practically, the courses aimed to support the Ph.D. students in the development and actualization of their Ph.D. research projects. On the following page, three of the program's five Ph.D. students present their research.



Daniel Andersson

Linköping University,
Technology and
Social Change

"I hold the Environmental Humanities as a field with some of the most exciting work currently being done at the intersection of philosophy and the natural sciences, which is great for someone who, just like me, is interested in the foundations, methods and general implications of science."

"During the first year I mainly focused on coursework, especially within the Seed Box research school, but also courses given by my home unit, tema T. At the time of writing I have completed approximately 70 ECTS. Aside from coursework I have been working on my dissertation. A comprehensive thesis proposal was delivered to a group of senior Seed Box researchers in June 2016, and I am now approaching my 30% seminar, which will be held in the end of February 2017. During 2016 I had the opportunity to deliver two separate conference papers, the first at Encountering Materiality: Science, Art, Language, held at the University of Geneva, 23–25th June 2016; and the second at the 8th Beyond Humanism Conference, Posthuman Studies and Technologies

of Control – From Nietzsche to Trans-, Post-, and Metahumanism, held at the Complutense University of Madrid, 25–27th May 2016. Since January 2016 I have been serving as the program assistant and coordinator of the weekly seminar series The Environmental Humanities Forum at the Department of Thematic Studies, Linköping University. Since the turn of the year I have also been working as a teaching assistant for Module F4&5 The Changing Conditions of Technology and its Consequences, at the Swedish National Center for School Technology Education, Linköping University."



Åsa Callmer

Royal Institute of
Technology, Urban
and Regional Studies

"I see Environmental Humanities as a very important academic field in that it ties together the political and environmental aspects of the urging need to change the way we live and how we organize our economies and societies with a much needed cultural perspective of how we as humans relate to Nature and to non-human others, showing that these things are inextricably dependent upon each other – in order to change one we need to change the other."

"The first year of my PhD mainly consisted of orientating myself within the Environmental Humanities, both through courses within the Seed Box PhD program and individual literary studies. In June 2016, I presented my thesis proposal at a Seed box seminar as well as at a PhD start seminar at KTH.

In July, I had the fortune to participate in the Summer School on Degrowth and Environmental Justice, organized by ICTA at Universitat Autònoma de Barcelona in Barcelona and Cerbère, France. The Summer School consisted of two weeks of intense discussions on degrowth in theory and practice and the links to environmental justice, with around 30 early career researchers from all over Europe and the world. In September 2016 I gave a presentation at the International Degrowth Conference in Budapest on the topic of 'Exploring the possibilities of sufficiency.'

At the division of Urban and Regional Studies at KTH Royal Institute of Technology in Stockholm, where I am based, I have been responsible for teaching and administrating a master's course, Political Economy for Environmental Planners during the fall semester of 2016.

My ongoing project consists of interviews with individuals and families that have chosen to refrain from consumption for a year (a so-called "Buy nothing year"), as a study of one existing 'sufficiency practice' that I am interested in studying."



Justin Makii

Linköping University,
Gender Studies

"I am currently finalizing the requirements for my 90 credit hours by taking Messy Matters from Blekinge Institute of Technology in Karlshamn; Artificiality, Nature, and Naturalness at KTH; tema Genus's interdisciplinarity course; tema Genus's Decolonial Feminisms and an Advanced Course in Higher Education

Pedagogy. I have also applied for and was accepted to a Seed Box-funded Undisciplined Discipline writing workshop as a joint collaboration between the Seed Box and KTH's environmental humanities laboratory held in Lillsved. I also participated in a retreat between the Seed Box and Environmental Humanities Laboratory. I have interviewed two prion researchers and am gearing up for more intensive empirical work in the next few months. I have also applied and am awaiting final replies for A New Materialisms conference in Paris and a special issue contribution on Toxic Embodiment for the journal Environmental Humanities. Lastly, I am gearing up to make contributions at our annual vision seminar on the subject of pedagogy at tema Genus

focused on modifications to BA, MA, and PhD programs. These modifications stem from my participation as a tutor for the BA and MA programs as well as sitting in at the PhD Council, Temanämnd, and participation in the selection of Tema's new prefect. I overhauled the Seed Box's blog with the help of Jennifer Hamilton. All in all, it has been a very busy, enjoyable, rewarding, and engaged PhD-year. I look forward to the coming years."



2) The Seed Box Postdoctoral Fellows

■ In summer 2015, the Seed Box announced three two-year postdoctoral fellowship positions, two at Linköping University (at the units of Gender Studies and Environmental Change) and one at the University of Sydney, Australia (in the unit of Gender and Cultural Studies). The three postdocs primarily engage in environmental humanities research, though they may also spend a small portion of their time guest teaching or contributing administrative support. On the following pages, the three postdocs report on their work from the first year.

Seeding New Research: The Seed Box “Seed Money” Grants, Year 1

■ In the spring 2016, the Seed Box announced its first of two Mistra-sponsored “Calls for Seed Funding” of environmental humanities projects. We are pleased to report that we distributed 3,989,000 SEK funding to 16 projects and more than 40 scholars working on innovative environmental humanities projects around the world.

The grants were finalized and approved by the Seed Box Executive Board at its October 2016 meeting, and a full list of project recipients and their project titles appears at the end of the report. The awarded projects include:

- Four initiation grants/pilot project grants of over 400,000 SEK,
- Three initiation grants/pilot projects of under 400,000 SEK,
- Two capacity-building project grants,
- Three collaborative workshop events,
- Three writers'/artists' residencies,
- One citizen humanities event, and
- One research travel grant.

■ All of the projects address pressing environmental concerns through a humanities lens; they aim to develop new concepts and methods for addressing these concerns. Each project will be administered by a Swedish higher education institution.



Olga Cielemecka
Linköping University,
Gender Studies

“I joined the Seed Box. Mistra-Formas Environmental Humanities Collaboratory team in December 2015. My research revolves around rethinking notions of subjectivity, body, and relationality in the times of ecological crisis. Here, theoretical inquiries are closely linked with my investment in participating in a creation of a ‘collaboratory’ – this means focusing on building networks with other environmental humanities researchers, involvement in

cross-disciplinary collaborations, and invention of new academic practices in order to contribute to the emerging field of environmental humanities in shaping it. This dual theoretical and practical orientation is visible in my recent publications and academic events I organized. I published articles which look into collective academic practices (e.g. “Knowmadic knowledge production in times of crisis”, forthcoming in: B. Revelles Benavente, A. M. González Ramos. *Teaching Gender: Feminist Pedagogy and Responsibility in Time of Political Crisis*. Utrecht: ATGender), and I co-organized workshops and seminars, the aim of which were to discuss and invent ways of writing environmental humanities and to ask what it means in the epoch of Anthropocene (e.g. Writing with Undisciplined Discipline: An Environmental Humanities Workshop, Seed Box Funding, Jan 27–28 2016; Help us imagine a Collective

Writing, Reviewing, and Publishing Process for an Academic Journal, 7th Annual Conference on New Materialisms, Poland, September 22, 2016). Research-wise I bring together posthumanisms, new materialisms, queer ecologies and the rigor my philosophical training gave me and bring them into environmental humanities. I look into ways of understanding bodies (human, non-human, toxic, healthy, natural-cultural) and relationalities (ecologies, communities) in the era of environmental crisis. This includes the themes of toxicity and the body, queer-materiality in the Anthropocene, and critical human-plant studies, all of which I have explored through the organizing of seminars, through the writing of articles, and, for example, through the co-production, together with Cecilia Åsberg, of a special issue on Toxic Embodiment of the academic journal Environmental Humanities.



Anna Kaijser

Linköping University,
Environmental Change

Since I started my postdoc in January 2016 I have engaged in number of different research projects, all within the realm of critical analysis of environmental discourse. My collaboration with Annica Kronsell at Lund University has resulted in a published article, which follows up our previous work on intersectionality and climate change. Another published text is a chapter on feminist political ecology and intersectionality, co-authored with Malin Henriksson at VTI, in a new Swedish anthology on political ecology. Together with David Larsson

Heidenblad, Lund University, I have written an article about the Swedish environmental organization Fältbiologerna, which is submitted to a scientific journal. Apart from these, I have initiated two on-going collaborations with focus on environmental activism. In the first one, Eva Lövbrand and I explore the climate justice campaign Run for your life. The second project concerns anti-mining activism and is done together with Björn Wallsten. Both are colleagues from Linköping University.

In parallel to my research activities, I have also engaged in teaching, organised workshops and given public lectures. In March 2016, I was invited as a speaker to a conference on gender and climate change in Berlin, and in May I put together and moderated a panel on sustainability at the Swedish STS meeting in Helsingborg. In October I organised a workshop for researchers and artists with the intention to explore walking as a method.

Together with PhD students and postdocs from the Seed Box and KTH Environmental Humanities Lab, I obtained funding from the Seed Box for a workshop on writing skills, which was held in January 2017. Right now, I am on a short research visit at the Gender and Culture Studies department at the University of Sydney, with the mission to network with the Environmental Humanities community in Australia. I will be giving two seminars about my research on March 6 and 7, 2017 and meet with key people in the field.



Jennifer Hamilton

University of Sydney

I began my postdoctoral research, funded by the Seed Box, in January 2016. I am based in the Department of Gender and Cultural Studies at the University of Sydney. I am employed at a 0.5 contract, 2.5 days a week. The aim of my first year was to lay the ground-work for the project that is proceeding under the working title "Weathering the City" and to finish my manuscript *This Contentious Storm: An Ecocritical and Performance History of King Lear* (London: Bloomsbury Academic, 2017). As of March 2017, my book is in the final proofing stage and will be published in August. I am anticipating the publication of the first book chapter stemming from this research entitled "Gardening after the Anthropocene: Creating Different Relations with Edible Plants in Sydney" in *The Covert Plant* (New York: Punctum, 2017), coming out in June. So the first year in terms of the broad goals set, were met and exceeded.

In term of the more general progress of the project, I was able to undertake a considerable amount of research in the form of field review and close analytical reading. I focussed on mobilising two threads of my project: exploring urban weather management infrastructure (storm water drains, seawalls, snow removal strategies, heat maps) and theorising urban gardening as a form of weathering. I delivered the paper "Weathering the City: The Poetics of Sydney's Stormwater Infrastructure" at the University of Sydney Seminar Series in April 2016 and a developed version for Crossroads in Cultural Studies in December 2016. I also delivered "The Weathering Report: Notes from the Field" (co-authored with Rebecca Giggs, Astrida Neimanis, Kate Wright and Tessa Zettel) and "Shame in/as Resilience" for Global Ecologies/Local Impacts conference in November 2016. Most of this work is also slated for publication in special journal issues, but is not yet in press.

I have maintained a visual research blog on weatheringthecity.wordpress.com. Rather than being a traditional research diary, it is a site for images and thoughts that seem to exceed the bounds of more conventional methodologies. I am also finding thematic links between different concepts are emerging. I have recently begun publicising the blog on

twitter and I have had over 300 visitors from nations like Australia, Sweden, Germany, USA, Canada, Spain and India among others. Along with Astrida Nemanis, I co-founded the reading group "COMPOSTING Feminisms and Environmental Humanities" (compostingfeminisms.wordpress.com), which is developing into a new research strength for us. Looking forward, I was attached as a keynote speaker to one Seed Box grant for the Wild Weathering Symposium at Stockholm University. I will attend this in June. I was also awarded my own Seed Box seed funding to come to Sweden to undertake field research in Stockholm and visit LiU, which I plan to do in October and November. I will also spend some of my own funding to undertake fieldwork in the USA this September. I was also awarded a \$5000 seed-funding grant from University of Sydney to develop a relationship with Sydney Water to explore customer expectations about storm water management after extreme weather events and in April 2017 I have been invited to speak alongside Professor of Planetary Healthy, Tony Capon, at a Sydney Ideas Forum, public talks here at the University, to share my ideas to a wider non-specialist demographic.

■ Many of these projects are just starting up, but one has already been successfully completed: Students at the Royal Institute of Technology and postdocs at Linköping University organized a productive workshop for 25 young environmental humanities scholars, “Writing with Undisciplined Discipline,” held in January in Lillsved on the island of Värmdö in the Stockholm archipelago. These emerging scholars convened to “undiscipline” their writing practices in accordance with the “undisciplined” and “unruly” environments about which we write: that is, these messy and unruly environments call for new methods and practices of writing that in turn serve to “undiscipline” the field of environmental humanities itself.

■ The event’s eight sessions and 14 writing-related activities enabled participants to share techniques and practices, discuss academic collaborations, and launch a new platform for ongoing conversations about writing in the field of environmental humanities. The workshop’s activities included practical sessions, such as working with HTML5 and writing in groups, as well as creative ones, such as “loops and flows” and “mushroomy writing.” The participants also workshoped in small groups the writing samples they had submitted in advance, and they explored how to “translate” natural science work to the humanities and back around again, thereby bridging C.P. Snow’s famous “two cultures.”

■ Led entirely by emerging scholars—Ph.D. students and postdocs—this Seed Box-funded event not only supported and encouraged different models of intra-disciplinary academic writing, it seeded a new environmental humanities writing platform that survives beyond the life of the grant, further producing new collaborations and methods for years to come.

Seeding New Art: Visiting Poet- and Artist-in-Residence Laura Watts

■ The Seed Box was excited to welcome its first artist-in-residence in the fall of 2016. Laura Watts, poet and self-described “ethnographer of the future” currently based at IT University of Copenhagen, joined us for approximately one month’s time (September 12–October 7, 2016). During her stay, Laura conducted dozens of interviews with Seed Box students and scholars, presented at the Environmental Humanities Forum, and led creative writing workshops at the Department of Thematic Studies.

■ Laura’s work is concerned with how landscape and location impact our imaginations of the future. She has collaborated with non-academic groups in mobile telecommunications, renewable energy, and public transportation, and she is currently engaging with those in the marine energy industry in the Orney Islands of Scotland. Her most recent book, *Ebban an’ Flowan*, a collaboration with poet Alec Finlay, is a “poetic primer” to marine renewable energy.



■ Laura was asked to write a brief statement about her time in residence at the Seed Box; that statement and one of the poems written during her residency appear to the right.

The sky is a carrier bag of star light and fiction

— after Ursula Le Guin,
“The Carrier Bag Theory of Fiction” (1986)

To be situated (in Donna Haraway’s sense) is, in part, to look up and see the constellations and their stories. They whirl around the pole star, Polaris, and shift with your location on the planet, your location in the seasons, and your location in that moment at night. Epistemes come with some stars, and not others. When I was invited to be artist and poet in residence at Seed Box for one month in September, and I landed on ‘planet Seed Box’ my first instinct was to look up (so to speak) and to ask what constellations glowed overhead. For me to learn and respond to how Seed Box is situated as a project was always going to be a matter of storytelling its guiding stars.

Sometimes I am an ethnographer who writes poetry as part of my method to write the world otherwise. I nodded to Haraway because her insistence on the inseparability of fiction and fact, and the need for speculative fabulations (“SF”) to create flourishing futures are the founding tenets to my work. Sometimes, though, I am just a professional poet—my most recent book is a collaboration (with Alec Finlay), a collection of poetry on marine renewable energy. This time, on this residency, I took the opportunity to be a professional poet, but one who could draw upon ethnography to inspire my writing.

The challenge for an Artist in Residence on a social or cultural research project is that the project is in the bodies of the researchers—particularly at the beginning. There are no obvious laboratories to be ‘resident’ in. So, I had to make Seed Box as a place to be resident in—which is ethnographic work. And so my thirteen ethnographic conversations

with Seed Box researchers allowed me to learn about, and make the place: the Seed Box planet with its own constellations, whose stories I sought to tell.

In my busy month of conversations, and also running a writer’s workshop, I made the Seed Box constellations and their stories. This night’s sky is filled with the fabulous creatures that roam the Seed Box project (I learned about the Prion, the Ants, the Tick, and more). I also created and shared poetic seeds. These are words that can be planted, nurtured, and grown into a different kind of academia, and a different kind of project. For who says that Seed Box is a planet just like Earth? Perhaps things grow differently there...

You can read and download all the work at www.sand14.com.

Sea & Eye

the server farm:
an albatross air
traffic control.

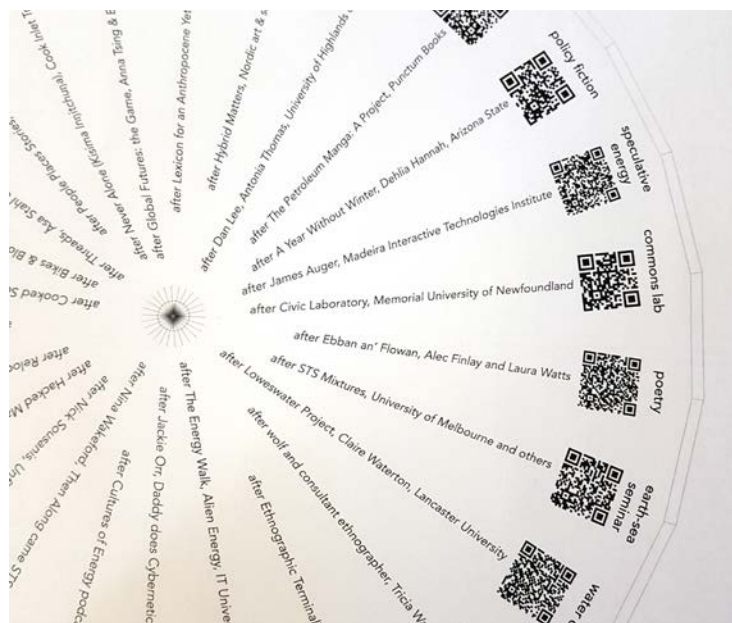
black boxes
on feathered backs
make data trails.

packed racks
of processors with
a bird’s-eye view

of

birds’ eye views:
lone shadows
on unending sea.

for Jacob and Cecilia and Lauren
poem from Seedbox by Starlight, 2016.



The Research Portfolio

■ The Seed Box research program consists of a dynamic project portfolio, updated annually, that responds to internal growth of the research performed within the program as well as the shifting and interconnected terrain that characterizes environmental humanities scholarship as a whole. Currently, we organize the projects in the portfolio into the following research areas:

- Deep Time
- Deep Earth
- Deep Waters
- Green Futures
- Toxic Embodiment
- Weather and Climate Change

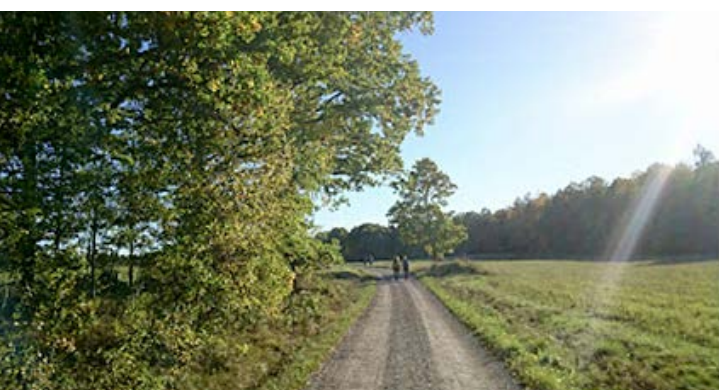
■ Two additional research areas are, for the moment, under development and discussion – “Media Ecologies” and “Multispecies Stories”.

■ Within each research area, research leaders attend to the various projects contained there, facilitating coordination and collaboration where appropriate. The research leaders communicate to the project leaders in their area the important news and developments of the Seed Box. Research leaders also collaborate horizontally—that is, between and among the different areas—to organize workshops, symposia, or other interdisciplinary environmental humanities events. The achievements of the scholars working in these research areas during the Seed Box’s first year are summarized at the end of this report.

■ Over 100 emerging and senior scholars participate in the research projects, attending to a strong tradition of environmental humanities as well as hailing from fields that seek to reinvent the humanities from within, such as human-animal studies, corporeal feminist theory, ecocriticism, new materialisms, cultural studies, science and literature studies, and other areas. The multitude of projects in our first year’s portfolio thus reflect the methodological and disciplinary synergies inherent to the Seed Box. The projects’ transdisciplinary innovations rest upon integrated cooperation among researchers across international universities and upon an imperative to communicate our results to and solicit the participation of non-academic audiences (“citizen humanities”). Taken together, the projects in our first year’s portfolio bring together international and Swedish excellence in critical environmental humanities research.

FIELD REPORTS FROM THE MAIN RESEARCH AREAS IN THE SEED BOX

■ Below follows a handful of accounts (or field reports) from the massive and manifold research taking place within The Seed Box program. They can be considered as samples – even as voice samples as they emanate from six different environmental humanities scholars, who are also leaders of the main research areas in the program. Each report, thus, has its own flavor, but they all attend to the four main research problems identified within the program as outlined in the introduction – alienation from environmental issues; the limits of technocratic or post-political management; the apocalyptic tone in narratives and imaginaries of the environment; the compartmentalization of environmental problems. Taken as a whole they also represent the versatility of environmental humanities research today.



“Deep Water” comprised one-third of the original thematic cluster of the Seed Box proposal, *Deep Earth, Deep Water, Deep Time*. Since the award of the Seed Box Collaboratory grant, three Scientific Leaders in this cluster have each assumed management of their respective area. Thus, this brief report pertains only to the projects and activities found under the “Deep Water” thematic.

Water is a pressing question for the Anthropocene. Ocean acidification, rising sea levels, erratic drought alongside dramatic flooding, plastic contamination, and large-scale hydroengineering all underscore the ways in which water—necessary for all planetary life—is under constant assault from anthropogenic sources. In this thematic cluster, we seek greater understanding not only of these problems, but of the human values, worldviews and imaginaries that led to them in the first place. Our research also aims to highlight the ways in which intersectional human social justice issues related to gender, coloniality, racism, classism, and speciesism are entangled in questions of water health, abundance and access. Our thematic cluster is particularly invested with feminist and anticolonial perspectives, and has produced world-leading and pathbreaking research on this score.

In our initial Seed Box proposal (2013), we set out three key projects in the area of “Deep Waters.” These included: (1) Rivers, Resilience, Resistance: Sustainable futures in Sápmi and in other indigenous peoples’ territories (Lead researcher: Docent May-Britt Öhman); (2) Thinking with Water: Toward A Posthumanist Feminist Ethics (Lead researcher: Astrida Neimanis); and (3) Enacting Baltic Ecosystems (Lead researcher: Lissa Holloway-Attaway). While the specific outputs and objectives of these three projects have been further refined and developed in the last three years, the three lead researchers remain active scholars within the Seed Box framework, producing high caliber publications and other outputs related to water. (A list of publications and other outputs from the “Deep Water” cluster from 2015–2016 is included in the list at end of the report.)

Blood, bile, intracellular fluid; a small ocean swallowed, a wild wetland in our gut; rivulets forsaken making their way from our insides to out, from watery womb to watery world: we are bodies of water.

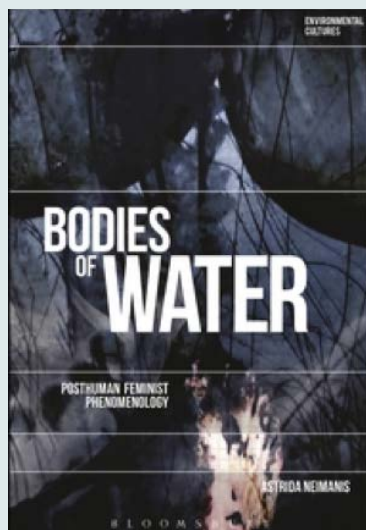
As such, we are not on the one hand embodied (with all of the cultural and metaphysical investments of this concept) while on the other hand primarily comprising water (with all of the attendant biological, chemical, and ecological implications). We are both of these things, inextricably and at once – made mostly of wet matter, but also aswim in the discursive flocculations of embodiment as an idea. We live at the site of exponential material meaning where embodiment meets water. Given the various interconnected and anthropogenically exacerbated water crises that our planet currently faces – from drought and freshwater shortage to wild weather, floods, and chronic contamination – this meaningful mattering of our bodies is also an urgent question of worldly survival. In this book I reimagine embodiment from the perspective of our bodies’ wet constitution, as inseparable from these pressing ecological questions.

These are the opening paragraphs of my monograph, *Bodies of Water*, published officially as part of the Bloomsbury “Environmental Cultures” series in early 2017. Exploring the cultural and philosophical implications of this fact, *Bodies of Water* develops an innovative new mode of posthuman feminist phenomenology that understands our bodies as being fundamentally part of the natural world and not separate from or privileged to it.

Methodologically, this work combines close readings of the works of Luce Irigaray, Maurice Merleau-Ponty and Gilles Deleuze, with contemporary posthuman and new materialist feminist theory, as applied to water crises and questions in the Anthropocene. This study is the first of its kind, bringing a new feminist perspective to bear on ideas of embodiment and ecological ethics in the posthuman critical moment.

This book also represents a key intervention in environmental humanities research on water—firmly insisting on a feminist, decolonial and queer perspective as vital to developing new frameworks, analyses and strategies for living with anthropogenic environmental challenges. Reviews of the manuscript note that my use of feminist theories of embodiment beyond a humanist lens “is a particularly urgent task given the contemporary framing of water as a resource whose scarcity must be managed under conditions of anthropogenic climate change,” and there is “no doubt” this work will make an important contribution in the way it links “highly theoretical analyses to scientific understandings of water and climate change.”

This monograph is the outcome of almost a decade of research, which include approximately five years of workshopping and presenting many of its central ideas at events hosted at Linköping University by the Posthumanities Hub and Tema Genus. To include this book as part of the Seed Box’s first report on its outputs is a fitting way to inaugurate its arrival.



Deep Earth Jonas Anshelm, Linköping University, Scientific Leader

“The Transformation of Swedish Mining Politics” is one of the projects within the research area “Deep Earth” and focuses on a regulatory shift in Swedish mining policy towards deregulation and neoliberalism. The shift is most concretely expressed in the government’s Mineral Strategy of 2013, a document in which the liberal-conservative government signaled its regulatory approach to the mining sector for the future. In all respects a highly industry-friendly document, the Strategy, which has been broadly supported in the Swedish parliament, called for expansion of the Swedish mining sector on the grounds that it was economically beneficial and important for EU resource security. The state’s role in such an expansion was mainly that of facilitator, making Sweden an attractive country for foreign investment through its comparatively low taxes, speedy and transparent permitting processes, and easy access to geological data.

In five case studies, different aspects and consequences of the transformation are scrutinized. The first of them investigates the criticism that among others environmental organizations and groups of indigenous people directed towards the Mining Strategy, and the alternative route for the mining industry as it was developed by these actors. The second study is concentrated on the Canadian mining company Northland Resources and its efforts to construct one of Europe’s biggest iron mines in Pajala. Special attention is paid

to the fusing of the horizons of expectations that concerned actors – the company, the local politicians, the inhabitants of Pajala, the state and the stock brokers – developed in relation to the mine, as well as to the crumbling of these horizons. In a third study the analytical focus lies on the Swedish state’s disengagement in the spectacular movement of large parts of the city of Kiruna, and in the re-industrialization of Pajala through greenfield mining. The argument here is that the neoliberal state, despite of the Mineral Strategy, actually never was committed to an industrial policy in arctic parts of Sweden, just to an economic policy directed to the goal of attracting foreign investments and strengthening the national financial situation. A fourth study engages with the new kind of environmental resistance strategies as they developed in relation to Nordkalk’s, a Finnish company, plans to construct a limestone quarry in Ojnareskogen at Gotland. Special interest is devoted to how a very heterogeneous network, consisting of local resistance groups as well as municipal politicians and state authorities among others, developed and managed to stop the quarry. The unusual combination of disparate competencies, skills, value grounds, and interests in order to obtain a specific environmental goal bear witness, it is argued, of a new form of environmental activism

The fifth study, finally, uses the above mentioned cases to question the claim that environmental concern reinforces a drift towards a post-political



situation in large parts of the world. The question asked is “Where is the post-political?”, not in order to discard the theory of post-politics, but to reflect upon its merits and limitations.

In early February 2016 – as part of the citizen humanities initiative within the program – we arranged a workshop for mining researchers in Jokkmokk at the same time as the annual *market* was arranged in town. The workshop included discussions with spokespersons for local and indigenous people, as well as an open seminar at Folkets hus, where the public took the opportunity to discuss with the researchers and comment on some researchers presentations. This meeting was part of an ongoing conversation between researchers and activists regarding mining politics in Sweden.

Deep Time Christina Fredengren, Stockholm University, Scientific Leader

During 2015–2016 “Deep Time” became a theme in its own right to answer to the comments by the evaluators. The activities have focused on networking with national and international consortium members, but also attracted attention outside the consortium by the call for partners to be included under this theme. It has produced a number of new seminars, sessions, publications, digitally curated exhibitions, created links and worked towards funding applications to finance this theme.

The overarching research problems within the theme can be summarized as follows:

- It focuses on long-term cause and effect and how deep time mattering (natural and cultural) shapes a variety of relational processes.
- It explores new materialism and issues of inter-gendering.
- It deals with the effects and dissonances around natural/cultural heritage matters and how these resources could be dealt with otherwise.
- It explores alternative ways of thinking and acting around issues of inter- and intragenerational justice and care, and by exploring how issues captured in the term and practice of ‘conservation’ can be revitalized and changed (to meet the challenge of living in the Anthropocene).
- It investigates how (natural/cultural) heritage resources can be imagined, configured, and enacted in other ways to work for more sustainable futures.

These research problems are addressed within the frameworks of several research projects collected under the concept of “Deep Time”, such as “Developing an Ecocritical Paleoecology”, “Living in the Current”, “The Archive of Nuclear Harm”, and “Deep Time Heritages and Future”.

An important strand of the work within the research area during the first year of the program has been the collaboration with the Edinburgh Environment (see also the earlier section on “The Consortium”), which enabled me to explore deep-time materialization processes, where the present can be understood and investigated as consisting of a jumbled up set of materialities of different ages, but which also holds a variety of future potentials. In this context I also revisited the concept of Enchantment to elaborate on how meetings with materialities from the past may produce particularly strong, energizing moments – that could be understood as deep-time hierophanies. Here, I mean, other-worlds come to us, not in a transcendent way, but in an immanence, as materializing histories unfolds. Following, but also challenging the reasoning of Jane Bennett, such experience may be important for to make a move from environmentally and ethic thinking to ethic actions.



One of the important projects within the “Green Futures” research area is “Urban Sharing: The Rise of Collaborative Consumption and Co-Use of Spaces” (project leader is Karin Bradley). It emerges from the results of recent studies, which have shown that technological change is not enough to meet targets of emission reductions and resource use. Behavioral changes are also needed in terms of less material consumption. Against a backdrop of fatigue of consumerist culture and the recent economic crisis different forms of citizen-initiated sharing schemes have appeared. Here citizens create common-pool resources and systems of sharing tools, vehicles, gardens, spaces, clothing, etcetera. This is one part of the emerging “sharing economy.”

The aim of this project is to explore contemporary urban sharing schemes, why they appear, how they function and what wider societal implications they might have for socioenvironmental, economic and spatial (re)organization. Case studies are conducted in three cities where sharing schemes have spread during the last years: Barcelona, Malmö and London. The case studies comprise a) sharing of goods and b) sharing and co-use of spaces. The method consists of interviews with initiators, users and officials, analysis of documents and participatory observation. Theoretical perspectives are drawn from 1) governing of commons, 2) peer economies and 3) political ecology. The intention is to make empirical and theoretical contributions to the emerging research on governing of urban commons in a contemporary Europe. The societal relevance lies in its contribution to the quests for knowledge on how to reduce material consumption while at the same time attending to quality of life and social cohesion.

As part of this project, Karin Bradley and Lotta Ekelund made a documentary film on the sharing economy, together with film maker Lotta Ekelund,

Dela är det nya äga (23 minutes, in Swedish). It can be viewed via www.delaifilmen.info. There is also an English version of the film (28 min) called *Sharing is the New Owning*.

The sharing area economy is also called, among other things, “mesh”, “peer-to-peer economy”, “collaborative consumption”, and “collaborative economy”. It can be said to be a subset of the circular economy. For example, the company Philips now offers a rental service where you can, in essence, subscribe to light. You do not have to buy the LED lamps or fluorescent tubes. Instead, Philips is responsible for the lights. But there are also forms where the two economies are included. In cities like Malmö, Gothenburg and Uppsala, so-called “klädotek” has emerged. It is simply about “common closets” which make it possible for people to share clothes rather than buy them.

According to Bradley the sharing economy places greater demand on product quality. It should be related to products that can today vary greatly with respect to quality. There are plenty of products and companies that are part of the sharing economy. Examples include Uber and UberPop, as well as bicycle hire systems in most major cities in Sweden, as well as in Paris, New York and London. A new trend that Bradley notices is that people in certain countries are increasingly engaged in home restaurants. A prerequisite for this is that it can function legally. Second hand sales are usually included in the sharing economy. For example, strollers might be owned for a few years before being sold. The owner has thus access to it during the time it is needed. Services such as Craigslist and Sweden’s Blocket have done a lot for collaborative consumption, especially regarding things that are not life investments.

On April 21, 2016, at Hörsalen in The Linköping City Library, a citizen humanities initiative within



“Green Futures” took place. The title of the event was “Utklädd till mig själv kan jag alltid vara någon annan/Disguised to myself I could always be someone else”. Johan Hedrén and Ingemo Rylander (Nomads of Hope) performed music composed for the occasion, interfoliated with Klaus Fischer reading his poems. Simultaneously Rylander’s paintings were projected on a screen.

The instruments used were an uncommon mix of harp, electric piano, tin whistles, rain stick and wave drum, all adding to tape recordings/digital loops and Ingemo’s vocals. The theme for this event was “crossing borders”, out of which especially the relations between humans and other living or fictive beings as well as between nature and the humanity were in focus. About 60 people attended this multi-media event.



Och en måste ätas

*Jag hade sett dig som ett djur
Ett av dem som inte finns*

Det var så vi fångade varandra

*En måste äta och en måste ätas
Inget blev kvar av någon*

Klaus Fischer 2016

Existential concerns around health today take on a much wider set of issues as we intra-act with antibiotics, nanoparticles and untested chemical cocktails through the food we eat, the make-up we wear, the new sofas we sit in. The projects collected under the research area of Toxic Embodiment offers important and under-researched aspects of environmental humanities, the environmental health dimension as a wider concern of transcorporeal effects in humans and across other species.

Toxic Embodiment was one of the original four research areas in the 2013 project portfolio, including then six different sub-projects in different stages:

- Lost in translation: A transcorporeal approach to toxicity in science, translational medicine and pharmaceutical development (Lead researcher Cecilia Åsberg with her PhD-student Tara Mehrabi, Ericka Johnson and research team members)
- Contested Knowledges in Animal Disease Management (Lead researcher Karla Mason)
- Sex Threats (Lead researchers Eva Hayward and Malin Ah-King)
- Military Archives and Toxic Futures in the Gotland Deep (Lead researchers Astrida Neimanis and Cecilia Åsberg, with Christina Fredengren and Lauren LaFauci)
- Cancer (Eco)Cultures (Lead researcher Nina Lykke)
- Journey to the Post-Anthropogenic (Lead researcher Oron Catts and SymbioticA)

This brief report pertains to these projects, and to novel collaborations and projects that was cultivated during the first Seed Box activity year 2015–2016 under the thematic research area of toxic embodiment.

Toxic bodies are certainly an urgent concern, connecting issues of health and embodiment with environmental changes: plastics seeping hormones into bodies, toxic nonhuman animal bodies deliberately bred and disposed of in labs, industries leaking toxic waste into rivers, weather carrying traces of contaminants to Arctic climes—the transcorporeal transits of toxicity spares no one and no place, it seems. Yet alarmist views of toxicity are themselves cause for alarm: what normative views of bodies get (re)produced in these narratives? What would a pure and clean body be? How are subjects and polities forged in toxicity as “boundary object”? How has the discipline of chemistry, and more recently biological chemistry and pharmaceutical chemistry, transformed late modern life? Moreover, the idea that toxicity (and toxic human and more-than-human bodies) must be expunged from our lives (detoxed) in order to return to some pristine or pure state points to a whole underbelly of questions: How are we, with our consumerist lifestyles and “normative intoxications,” complicit in these toxicities in the first place? And “how is it that so much of this toxic world... is encountered by so many of us as benign and pleasurable?” How might the intimacies of toxicity instead invite “queer loves”?

An investigation into toxic embodiment demands that we think precisely about what toxicity is and what it means. If, for example, we take toxicity in a wide sense of biological chemistry, then it is clear that our bodies are all, always already toxic. Cancer, Alzheimer’s Disease and other protein misfolding disorders are cases in point. In laboratory settings toxicity is tested and transferred between human and animal bodies, testifying to the new natureculture modalities of transcorporeality. The analytics of transcorporeality for understanding the porous boundaries between bodies and environments are here a key concern. However, toxicity also begs new understandings of patienthood as cultural awareness around environmental sicknesses increases. Neither toxicity nor healthy embodiment is what it used to be, and projects in this area explore different sites of contemporary toxic embodiment.

The projects here cluster on toxic embodiment to examine various situated bodies, land- and water-scapes and their naturalcultural intra-actions with poisons and toxicity.

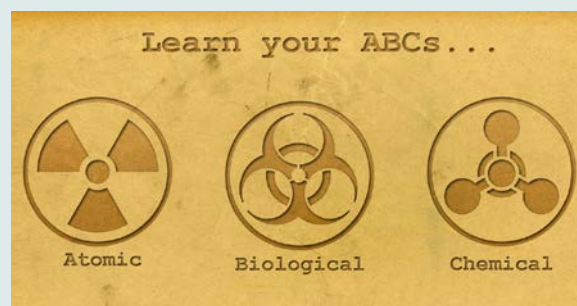
The project “Gotland Deep” will for our work to come in 2017 be counted under the heading of Deep Water, even while some publications and outputs will sort under Toxic Embodiment still. This is a result of the close collaboration between Astrida Neimanis and Cecilia Åsberg. The project “Lost in Translation” resulted in a series of publications, for instance two edited books *Gendering Drugs* (2017) and *Global Pharma* (2016). Both these publications headed by Ericka Johnson in collaboration with Celia Roberts and Cecilia Åsberg. In addition, Åsberg’s PhD student Tara Mehrabi defended her doctoral dissertation *Making Death Matter* (2016). Karla Mason’s project on Contested Knowledges in Animal Disease Management also reached a conclusion with three scholarly publications. Unfortunately, and in spite of promising and ground breaking environmental humanities on multispecies health concerns, Dr Mason has decided to leave the British academic scene for a period. The two prominent researchers, internationally acclaimed Eva Hayward of feminist cultural studies of science, transgender studies and environmental humanities, and Uppsala-scholar Malin Ah-King, a rare environmental humanities specialist with merit in both gender studies and biology, will apply for Seed Money funds in order to pursue the project Sex Threats further. Professor Nina Lykke, one of the inspiring pioneers of feminist environmental humanities at Linköping University, has retired and works as



Professor Emerita and continues to publish for us in the Seed Box on cancer and the ecologies of death. The mixed team of the artistic project Journey to the Post-Anthropogenic has published an anthology entitled *Field Work* on their experiences, and continues to produce work with the collaborations of the LiU Seed Box – SymbioticA collaborations. In this SymbioticA-SeedBox-Post-humanities Hub vein, the new network and research by bio- and ecoart philosopher, and Gender Studies postdoc Marietta Radomska promises a lot for the future, for instance a new international workshop (such as the one below) in 2017.

The Seed Box international workshop 6–7 June, 2016 on Choreographies of Toxic Embodiment (and the Diseased Posthuman) with the Posthumanities International Network and invited key note scholars Stacy Alaimo (University of Texas at Arlington, consortium partner), Katie King (University of Maryland, USA), Rosi Braidotti (Utrecht University, consortium partner), scholars from Goldsmith’s (consortium partner), senior researchers and PhD-students from KTH’s Environmental Humanities Lab, Gender Studies and the Seed Box.

This workshop signaled a key intervention in environmental humanities scholarship on toxic embodiment, and in a later call for papers based on this workshop – over 55 scholars heeded the call to submit for a special issue (edited by Åsberg and Cielemecka) of the prestigious journal *Environmental Humanities*. This volume has been accepted and will appear in press in 2018 (Duke University Press). Since the special issue only may harbor ten of the many promising paper suggestions submitted, we are also considering the preparation of an edited book volume on the theme.



Climate change has in recent years become much more than its scientific description. As outlined by Mark Hulme, climate change is today a resourceful idea and imagination that can be molded and mobilized to fulfill a bewildering array of political, social, and psychological functions. As an idea, climate change thus works as a powerful cultural and political space where competing understandings and embodied experiences of environmental problems, relations, places, and responsibilities take form, stabilize, are contested, and made anew. Within this research area, we trace the cultural and political work performed by our changing climate across the worlds of science, policy, activism, artistic practice, and everyday life. While engagements with climate change and its related weather events differ in terms of the knowledge they seek to create, the agents involved, and the methods and practices through which they are undertaken, all rely on forms of narrative: of telling compelling stories about the nature of contemporary environmental struggles and the means by which they can be mitigated, adapted to, or lived with.

During 2016 this research theme generated a number of exciting activities, encounters and collaborations. Below you find two examples that have spurred interesting conversations across the worlds of climate research, activism and art.

On October 3–4 2016, a group of eleven artists and researchers within the humanities or social sciences gathered at Vårdrås, a village south of Linköping, Sweden. The title for the event was Art and Humanities in Environmental Crisis: A Walking Workshop (the project leaders were Anna Kaijser and Martin Hultman, both from the Department of Thematic Studies, Linköping University). Each participant had for the occasion brought a question incited by their own work and related to understanding, acting upon and living with environmental crisis. These questions, we brought with us on a hike through the countryside, intended to accentuate embodiment and movement and evoke a sense of the own body's place in nature. In pairs, we walked through forests and meadows, and along the Stora Rängen Lake. The sun was shining and the landscape sparkled with magnificent autumn colours. Most of us had never met before, and thus were introduced to each other's work through the questions. Every 40 minutes we stopped to change conversation partners. This is slow intellectual speed dating, somebody joked.



At the end of the walk, the entire group gathered to share insights and reflections. Overall, the accounts were very positive. The participants commented that their talks had turned out quite differently than they would have in a seminar room or office. Several reflected upon the role

played by the particular places that we passed through, and by the non-human actors that were present, in the conversations. Someone said that they longed to do the same exercise during a longer and more demanding hike, curious to see how the physical challenge would affect their thinking. Quite a few said that they did not talk that much about their question, but that this did not matter. Some felt that they had to repeat their question too many times.

In the afternoon, we had time to immerse even more in the surroundings. Some of us had a very close contact with the lake close by and the sauna made it feel pleasant even though the water was cold. The discussions centered around how having these types of experiences together makes a difference.

The following day was grey. We spent the morning inside doing collective writing inspired by the walks. Many found this exercise very inspiring. We layered our own text with others' and realized the possibility of actually writing a text together that makes sense from the beginning. The resulting texts were put together in a shared document, for us all to use in our work. In the afternoon, we split up in pairs again for another walk, wrapping up the experiences of the workshop and discussing future collaborations. As we came back to the house, it started to rain.

As presented here the elements around us made big impressions on how we discussed and acted. How does it influence us to most of the time sit inside compartmentalised seminar rooms to discuss the world? On the other hand, what kind of knowledge do we create when we are more focused on the surroundings than on our computer screens?

The Walking Workshop was intended as an opportunity for networking and collaborative reflection, and an experiment in walking as a method for conversations. With inspiration from this successful experience, we will continue to organize walking seminars with colleagues and students at our department and beyond.



The Weathering Collective is a research collaboration of writers, artists, and academics experimenting in how we understand the weather. It currently includes project leader Astrida Neimanis (University of Sydney), Rebecca Giggs (writer and academic, Macquarie University), Jennifer Mae Hamilton (University of Sydney), Katherine Wright (Southern Cross University), and Tessa Zettel (independent artist). The project investigates the seemingly quotidian phenomenon of weather and the theme of weathering as an embodied experience. In a dominant "climate change" imaginary, in the so-called developed world, climate is often dis-

tant and abstracted from our everyday experiences of weather. Such abstraction is buttressed by either neoliberal progress narratives of controlling the future or sustainability narratives of saving the past. Both largely obfuscate the ways that our bodies weather the world, and the ways in which our bodies are archives in an ongoing gathering of climate-time. This project reminds us that we are not masters of the climate, nor are we just spatially "in" it. We wish to ask how activating ourselves as weather-bodies, through various collaborative creative practices, can provide new imaginaries of climate change—linking this ineffable and massive "wicked problem" to the very banal, intimate and felt experience of weather. We are interested in activating the porous boundaries between humans and non-human natures, and experimenting in ways of understanding and activating a place-body interface that takes up questions of time, flux, memory, cyclicity.



In May 2016 Tipping Point and the Free Word Centre in London hosted a two-day workshop entitled Weatherfronts: Climate Change and the Stories We Tell. The workshop was one of several of its kind and designed to spur creative conversations and novel forms of climate story-telling among novelists, poets and scholars involved in climate politics research. The participants shared thoughts on topics such as climate justice and security, shrinking ice sheets, energy trilemmas, and dreams of a good city.

The encounters made in London gave birth to Climate Writing, a book club hosted by Seed Box scholars at Linköping University (and lead by Eva Lövbrand). The aim of Climate Writing is to spur interdisciplinary conversations on the expanding field of climate fiction (cli-fi). We are interested in the stories told about our changing climate in literary fiction, the imaginative space these stories open up and the creative forms of writing they draw upon. When venturing into these cultural worlds of climate change, we hope to find not only dystopian narratives of environmental decline and catastrophism but also to encounter more hopeful stories that can enliven our moral and political imagination. As suggested by Johns Putra, literature invites us to inhabit other worlds and live other lives. At its best, cultural engagements with climate change let us travel to climate-changed worlds, to strive there alongside others, and then to return, armed with that experience.

Climate Writing is a book club open to interested participants within and beyond academia. We meet twice per term at the University Club of Linköping University and invite more book lovers to join us. More information is soon available via the Seed Box webpage.

Research Outputs and Seed Money Funding, Year 1

SCHOLARLY PUBLICATIONS

Books: Edited Collections

Johnson, Ericka, Ebba Sjögren, and Cecilia Åsberg, eds. *Glocal Pharma: International Brands and the Imagination of Local Masculinity*. London: Routledge (Taylor & Francis), 2016.

Åsberg, Cecilia, & Malin Rönnblom, eds. *Debates in Nordic Gender Studies: Differences Within*. London: Routledge (Taylor & Francis), 2015.

Peer-Reviewed Articles, Book Chapters, Book Articles (Single and Co-Authored)

Anshelm, Jonas, and Simon Haikola. "Power Production and Environmental Opinions—Environmentally Motivated Resistance to Wind Power in Sweden." *Renewable and Sustainable Energy Reviews* 57 (May 2016): pp. 1545–1555.

Anshelm, Jonas, and Anders Hansson. "Has the Grand Idea of Geoengineering as Plan B Run out of Steam?" *The Anthropocene Review* 3.1 (October 2015): 64–74.

Bradley, Karin. Bike Kitchens: Spaces for Convivial Tools. *Journal of Cleaner Production* (September 2016): <http://dx.doi.org/10.1016/j.jclepro.2016.09.208>

Fredengren, Christina. "Deep Time Enchantment: Bog Bodies, Crannogs, and Other Worldly Sites at Disjunctures in Time." *Archaeology and Environmental Ethics. World Archaeology* 48.4 (2016): 1–18.

Fredengren, Christina. "Nature:cultures: Heritage, Sustainability, and Feminist Posthumanism." *Current Swedish Archaeology* 23 (2015): pp. 109–130.

Fredengren, Christina. "Water Politics: Wetland Deposition of Human and Animal Remains in Uppland, Sweden." *Fornvännen: Tidskrift för svensk antikvarisk forskning* 111 (2015): pp. 161–183.

Haikola, Simon, and Jonas Anshelm. "Is Swedish Mineral Politics at a Crossroads? Critical Reflections on the Challenges with Expanding Sweden's Mining Sector." *The Extractive Industries and Society* 3.2 (April 2016): pp. 508–516

Haikola, Simon, and Jonas Anshelm. "The Making of Mining Expectations: Mining Romanticism and Historical Memory in a Neoliberal Political Landscape." *Social & Cultural Geography*, accepted December 2016 (in press)

Hamilton, Jennifer. "Labour against Wilderness and the Trouble with Property beyond *The Secret River*." *Green Letters* 20.2 (2016): 140–155.

Holmberg, Tora and Malin Ideland. "Imagination Laboratory: Making Sense of Bio-Objects in Contemporary Genetic Art." *Sociological Review* 64.3 (August 2016): 447–467.

Kaijser, Anna, and Annica Kronsell. "Who Gets to Know about Nature? Biodiversity and Ecosystem Services through an Intersectional Lens." *Freiburger Zeitschrift für Geschlechterstudien* 22.2 (2016): pp. 41–67.

Krook, Joakim, Niclas Svensson, and Björn Wallsten. "Urban Infrastructure Mines: On the Economic and Environmental Motives of Cable Recovery from Subsurface Power Grids." *Journal of Industrial Ecology* 104 (October 2015): pp. 353–363.

Johnson, Ericka, and Cecilia Åsberg. "Enrolling Men, Their Doctors, and Partners: Individual and Collective Responses to Erectile Dysfunction." In *Glocal Pharma: International Brands and the Imagination of Local Masculinity*. Eds. Johnson, Sjögren, and Åsberg. London: Routledge (Taylor & Francis), 2016.

Mehrabi, Tara, and Cecilia Åsberg. "Nature in the Lab." In *Macmillan Interdisciplinary Handbooks: Gender*. Ed. Renee C. Hoogland. *Nature volume*, ed. Iris van der Tuin. Macmillan, 2016.

Neimanis, Astrida. Contributing author. *More and More (A Guide to the Harmonized System)*. Ed. Marina Zurkow. New York: Punctum Books, January 2016.

Neimanis, Astrida. "No Representation without Colonization? (Or, Nature Represents Itself)." *Somatechnics* 5.2 (September 2015): pp. 135–153.

Neimanis, Astrida. "Thinking with Matter, Rethinking Irigaray: Bodies of Water for a Planetary Feminism." *Feminist Philosophies of Life*. Eds. Chloe Taylor and Hasana Sharp. McGill-Queen's UP, 2016. pp. 42–66.

Neimanis, Astrida. "Weather Writing: A Feminist Materialist Practice for (Getting Outside) the Classroom." *Teaching with Feminist Materialisms*. Eds. Peta Hinton and Pat Treusch. AtGender Teaching With series. European Association for Gender Research, Education, and Documentation, Utrecht, 2015. pp. 141–158.

Neimanis, Astrida, and Cecilia Åsberg. "Culturing." In *Routledge International Handbook of Interdisciplinary Methods*. Eds. Celia Lury et al. London: Routledge, 2016.

Neimanis, Astrida, Cecilia Åsberg, and Suzi Hayes. "Posthumanist Imaginaries." *Research Handbook on Climate Governance*, ed. Karin Backstrom and Eva Lövbrand. Edward Elgar Publishers, November 2015.

Neimanis, Astrida. Contributing author. *More and More (A Guide to the Harmonized System)*. Ed. Marina Zurkow. New York: Punctum Books, January 2016.

Wallsten, Björn. "Toward Social MFA: On the Usefulness of Boundary Objects in Urban Mining Research." *Journal of Industrial Ecology* 19.5 (October 2015): pp. 742–752.

Wallsten, Björn and Joakim Krook. "Urks & The Urban Subsurface as Geo-Social Formation." *Science, Technology, & Human Values* 41.5 (September 2016): pp. 827–848.

Wallsten, Björn, Dick Magnusson, Simon Andersson, and Joakim Krook. "Economic Conditions for Urban Infrastructure Mining: Using GIS to Prospect Hibernating Copper Stocks." *Resources, Conservation, & Recycling* 103 (October 2015): pp. 85–97.

Öhman, May-Britt and Eva-Lotta Thunqvist. "Human Bodies and the Forces of Nature: Technoscience Perspectives on Hydropower Dams, Safety, Human Security, Emotions and Embodied Knowledge." *International Journal of Technoscience and Development* 1.1 (2016): 1–14. Karlshamn: Makerere University and the Research Division of Technoscience Studies at Blekinge Institute of Technology.

Öhman, May-Britt, M. Palo, and Eva-Lotta Thunqvist. "Public participation, Human Security and Public Safety around Dams in Sweden: A Case Study of the Regulated Ume and Lule Rivers." *Safety Science Monitor* 19.2 (2016): 8. Royal Institute of Technology, Stockholm.

Öhman, May-Britt. "TechnoVisions of a Sámi cyborg: Re-claiming Sámi Body-, Land- and Waterscapes after a Century of Colonial Exploitations." In *Sápmi, Ill-Disciplined Gender: Nature/Culture and Transgressive Encounters*. Ed. Jacob Bull and Margaretha Fahlgren. Springer, 2016. pp. 63–98.

Öhman, May-Britt. "Embodied Vulnerability in Large-Scale Technical Systems: Vulnerable Dam Bodies, Water Bodies and Human Bodies." In *Bodies, Boundaries and Vulnerabilities—Interrogating Social, Cultural and Political Aspects of Embodiment*. Eds. Lisa Käll and Folkmarson. Springer, 2016. pp. 47–79.

Åsberg, Cecilia. "Het Lichaam als Strijdtoneel: De Cyborg en Feministische Visies op de Biologie." ["The Body as Arena: The Cyborg and Feminist Perspectives on Biology." In *Handboek Genderstudies in Media, kunst en Cultuur* [Handbook of Gender Studies in Media, Art, and Culture]. Eds. Rosemarie Buikema & Liedeke Plate. Uitgeverij Coutinho, Bossum, 2015.

Åsberg, Cecilia, and Ericka Johnson. "Viagra Selfhood: Pharmaceutical Advertising and the Visual Formation of Swedish Masculinity." In *Glocal Pharma: International Brands and the Imagination of Local Masculinity*. Eds. Johnson, Sjögren, and Åsberg. London: Routledge (Taylor & Francis), 2016.

Åsberg, Cecilia, Kathrin Thiele, and Iris van der Tuin. "Speculative before the Turn: Reintroducing Feminist Materialist Performativity." *Cultural Studies Review* 21.2 (September 2015): 145–172.

Reviews

Aglert, Katja, and Tora Holmberg. "Extinction Stories." Review *You Must Carry Me Now: The Cultural Lives of Endangered Species*, by Bryndis Snaebjörnsdóttir and Mark Wilson. *Humanimalia*, 8.1 (Fall 2016): 149–153.

Doctoral Dissertations

Górska, Magdalena. *Breathing Matters: Feminist Intersectional Politics of Vulnerability*. Department of Thematic Studies, Unit of Gender Studies. Linköping University Electronic Press, 2016. Linköping Studies in Science and Technology, No. 683. Dissertations, ISBN 978-91-7685-764-9.

Mehrabi, Tara. *Making Death Matter: A Feminist Technoscience Study of Alzheimer's Sciences in the Laboratory*. Department of Thematic Studies, Unit of Gender Studies. Linköping University Electronic Press, 2016. Linköping Studies in Science and Technology, No. 700. Dissertations, ISBN 978-91-7685-655-0.

Wallsten, Björn. *The Urk World: Hibernating Infrastructures and the Quest for Urban Mining*. Department of Thematic Studies, Unit of Technology and Social Change. Linköping University Electronic Press, 2015. Linköping Studies in Science and Technology. Dissertations, ISSN 0345-7524; 1720.

SCHOLARLY PRESENTATIONS

Entire Events Organized

Anshelm, Jonas. SweMineTechNet Conference. Swedish Mining Technology Network. Hosted by Tema Technology and Social Change, Linköping University, 14–15 December 2016.

Hedré, Johan. Workshop organized. "Playing with Methods/Using the Decision Arena for Visual Analysis." Linköping University, Campus Norrköping, Sweden, 14 January and 10 February 2016.

Hedré, Johan. Workshop organized. "Playing with Methods/Using the Decision Arena for Focus Group Interviews." Linköping University, Campus Norrköping, Sweden, 2 March 2016.

Kaijser, Anna. Organizer and Convener, "Art and Humanities in Environmental Crisis: A Walking Workshop." Funded by ACSIS, Linköping University. Vårdnäs Stiftgård, 3–4 October 2016.

Lövbrand, Eva. Workshop Co-Organized with Andrea Nightingale (SLU). "The Politics of Emotion, Belonging, and Collective Action." Conference: "Climate Existence," Sigtunastiftelsen, 7 April 2016.

Neimanis, Astrida. "Hacking the Anthropocene: Feminist, Queer, Anticolonial Propositions for an Alter-Anthropocene." Sydney Environment Institute, University of Sydney, Australia. 7–8 April 2016. Events included a one-day symposium including local and international speakers; a one-evening interactive art event; an evening roundtable on the topic of "Plantetary Responsibility" (in conjunction with UNSW Environmental Humanities); and a one-day arts-science workshop with Professor Kathy High, including a visit to the Cronulla Wastewater Treatment Plant in Sydney.

Öhman, May-Britt, Co-Organizer. SweMineTechNet, Swedish Mining Technology workshop, Jokkmokk, 1–7 February 2016. <http://www.sweminetchnet.org/>

Individual Presentations Delivered

Fredengren, Christina. Session organizer, "Feminism and Materiality in Archaeology." Lecture, "Naturecultures: Heritage, Sustainability, and Feminist Posthumanism."

European Association of Archaeologists (EAA) Annual Meeting. Vilnius, Lithuania, 31 August–4 September 2016.

Fredengren, Christina. Lecture, "Heritage Naturecultures: Past Weather, Past Climate—Archaeology as Environmental Humanity." Financed by the Swedish Secretariat for Earth System Sciences (SSESS). Royal Anthropological Institute, "Anthropology, Weather, and Climate Change" symposium. London, UK, 27–29 May 2016.

Fredengren, Christina, Kerstin Lidén, and Sjoerd Klaving. Session organizers, "Environmental Humanities: A Rethinking of Landscape Archaeology?" Landscape Archaeology Conference (LAC). Uppsala, Sweden, 23–25 August 2016.

Hamilton, Jennifer. Paper presented. "Weathering the City: The Poetics of Sydney's Stormwater Infrastructure." University of Sydney Seminar Series, April 2016 and at "Crossroads in Cultural Studies" Conference, December 2016.

Hamilton, Jennifer, Rebecca Giggs, Astrida Neimanis, Katherine Wight, and Tessa Zettel. Papers presented. "The Weathering Report: Notes from the Field" and "Shame in/as Resilience." Global Ecologies/Local Impacts conference. University of Sydney, Australia, November 2016.

Hedré, Johan. *The Seed Box: An Environmental Humanities Collaboratory—The Premises, Objectives, Components, and Future Visions*. Seminar presentation, Uppsala University. 26 April 2016.

Holloway-Attaway, Lissa. "Social Inclusion, Digital Tools and Gamification." Keynote Address and Workshop Leader. Baltic Sea Region Culturability Project: BSR 11. Jurmala, Latvia, November 2016.

Holloway-Attaway, Lissa. "Gaming as a Tool for Learning and Connecting Cultures." Keynote Speaker. Baltic Sea Region Culturability Project: BSR 11: Kick Off Meeting. Rendsburg, Germany, April 2016.

Holloway-Attaway, Lissa. "Re-membering Voices and Making Manifest Melville's Others: a Performative Reading with Digital Accompaniment." Gender, Bodies, and Technology Conference. Roanoke, Virginia, USA, April 2016.

Holmberg, Tora. Paper presented. "Walking, Sleeping, Eating, Dying: Rhythm Analysis of Human/Animal Relations." Society for Literature, Science, and the Arts (SLSA), European Conference, "Control." Stockholm University, Stockholm, Sweden, 14–17 June 2016.

Kaijser, Anna. Invited talk on panel, "Mehr Frauen in der Forschung = gendersensible Klimapolitik?" [More Women in Research = Gender-Sensitive Climate Politics?]" "Climate Needs Change: Fostering the Potential of Gender Research" Conference, Berlin, Germany, 1 March 2016.

Lövbrand, Eva. Lecture delivered. "Climate Governance after Paris: Towards a New Political Vocabulary?" Kings College, London, UK. 24 February 2016.

Lövbrand, Eva. Invited talk. "The Anthropocene—A Story with Many Endings." Workshop: "Can the Anthropocene be Governed?" Co-organised by the Stockholm Resilience Centre and the Department of Political Science, Stockholm University, Stockholm, Sweden. 2–3 May 2016.

Lövbrand, Eva. Invited talk and workshop discussion. "Climates of Justice." Conference: Weatherfronts: The Stories We Tell." Organised by Tipping Point and Free Word, London, UK. 14–15 May 2016.

- Lövbrand, Eva. Invited talk. "The Anthropocene: Environmental Crisis or Opportunity?" Workshop: "Art and Humanities in Environmental Crisis: A Walking Workshop." Funded by ACSIS, Linköping University. Vårdnäs Stiftgård, 3–4 October 2016.
- Lövbrand, Eva. Invited talk. "The End of What? The Nature Politics of the Anthropocene." Symposium: "The Anthropocene: Between the Earth and Social Sciences." University of Zürich, Switzerland, 25 November 2016.
- Neimanis, Astrida. Session organizer and chair, "Weathering" (workshop). Conference: Somatechnics, Byron Bay, Australia, December 2016.
- Neimanis, Astrida. "Environmental Humanities. *Crossroads in Cultural Studies Early Career Researcher Seminar*. Western Sydney University, Sydney, December 2016.
- Neimanis, Astrida. "Chemical Weapons and Suspended Times in the Gotland Deep." Time of Materials Symposium. Institute for Culture and Society, Western Sydney University, November 2016.
- Neimanis, Astrida. "Water as a Queer Archive of Feeling." *ICS Research Seminar*, Western Sydney University, September 2016.
- Neimanis, Astrida. "Stygofauna." Association of Literature, Culture and Environment Biannual Meeting, University of Queens, Kingston, Canada, June 2016.
- Neimanis, Astrida. "Water and a Posthuman Politics of Location." *Affect II*. UNSW, Sydney, May 2016.
- Neimanis, Astrida. "Fishy Beginnings (We are all Bodies of Water)." Keynote Lecture. *Gender, Science and Wonder* Symposium, ANU Dept of Gender Studies. Canberra, ACT, February 2016.
- Neimanis, Astrida. "Residual Waters: The Morning After." *Somatechnics X International Conference*, Byron Bay, AUS, December 2016.
- Neimanis, Astrida. "Queer Archives and Chemical Weapons in the Gotland Deep." ASLEC-ANZ "Global Ecologies, Local Impacts" Biannual Conference. Sydney, November 2016.
- Neimanis, Astrida. "Writing into the Environmental Humanities." Methods workshop, Linköping University, Sweden, November 2015.
- Neimanis, Astrida. "Getting Extremophilic." Neolife: Society for Literature, Sciences and the Arts. University of Western Australia (SymbioticA), October 2015.
- Neimanis, Astrida. "Water, Deep Time, and Planetary Archives of Feeling." New Materialisms VI. Victoria College of the Arts, Melbourne, September 2015.
- Wallsten, Björn. Invited speaker. "Hybrid Matters" Symposium, Theatre Academy of the University of the Arts. Helsinki, Finland, 24–25 November 2016.
- Wallsten, Björn. Attendee at Anthropocene Curriculum | Campus: The Technosphere Issue at Haus der Kulturen der Welt, Berlin. 14–22 April 2016.
- Öhman, May-Britt. Panel organizer. "In the Land of the Forest Sámi: Sámi-led Science, Research, Activism and Film-Making for Continuance, Healing and Regeneration." Paper presented: "The Sámiland Free University: Science, Research, and Education for Decolonization." Undisciplined Environments: International Conference of the European Network of Political Ecology (ENTITLE). KTH, Stockholm, 20–24 March 2016.
- Öhman, May-Britt. Panel organizer. "Making the Invisible Visible: Sámi History and Cultural Heritage: Innovations, Non-Indigenous Contexts and Structural Violence." Paper presented: "Sámi Innovators: Promoting Sámi Scientific Innovations and Entrepreneurship for Sustainable Futures in Sábmme." NAISA; Native American and Indigenous Studies Association, Annual Meeting. Honolulu, Hawai'i, USA, 18–21 May 2016.
- Öhman, May-Britt. "Feminist Interventions and Everyday Struggles for the Protection of Forest Sámi Cultures against 'Environmental Friendly' Power Production and other Colonial and Racist Technoaggressions." Program area: Feminist Technoscience Studies in Unexpected Places: (Intra) Activism and Social Justice. 4S/EASST conference, Barcelona, Spain, 31 August–3 September 2016.
- Öhman, May-Britt. "Genocides ecocides exploitations destructions relations resistance joy – Indigenous stories on the relationships with our (non-human) companions, nature and our responsibility to protect them and ourselves." A collection of Indigenous (Sámi, Maasai, Oneida, Ainu) stories – artistic work, film, talks, photos, yoik. I organized a collection of abstracts; 7 out of 11 were accepted. Stories of the Anthropocene Festival. KTH, Stockholm, 26–29 October 2016.
- Öhman, May-Britt. "Feminist/Indigenous/ Sámi Strategies for Brighter Futures: The Sámi Land Free University." Stories of the Anthropocene Festival. KTH, Stockholm, 26–29 October 2016.
- Öhman, May-Britt. Panel organized: "Claiming Space for Sámi Feminism in Colonial Academia, Gender Research and [Swedish – Svea Rike] Society." Paper presented: "Challenging Colonial and Racist Gender Research: Claiming Space for Sámi Feminism in Gender Research/Academia." G16: Nationella Genuskonferensen, Linköping, 23–25 November 2016.
- Öhman, May-Britt. "Building a Sami Academy of Sciences: Science, Research, and Education for Decolonization." Panel: Indigenous Knowledge Sovereignities and Scientific Research. Society for Social, Studies of Science (4S) Annual Meeting. Denver, Colorado, USA, 11–14 November 2015.
- Öhman, May-Britt. "Samelands fria universitet: Vetenskap, forskning och utbildning för avkolonisering." Keynote Lecture. Symposium: Uppsam: Föreningen för samiskrelaterad forskning i Uppsala. Uppsala University, 31 May 2016.
- Öhman, May-Britt. "Trying to Live a Good Life in a State of Siege: Perspectives on Health and Wellbeing i Sábmme." Workshop: Community Wellness and Infrastructure in the Arctic. Organised by the Fulbright Arctic Initiative, Health and Infrastructure Working Group, the Danish Centre for Environmental Assessment, and NORDREGIO. Nuuk, 3 October 2016.
- Öhman, May-Britt. "Challenging Nordic colonial feminism and gender studies: everyday struggles for the protection of Forest Sámi culture against 'environmental friendly' power production and other colonial racist technoaggressions." Event: "Diversity and Tensions in Nordic Feminist Mobilization." Future of Feminisms in the Nordic Region Network (FFNN). Aalborg University, Copenhagen, Denmark, 26–28 August 2016.

AWARDS AND HONORS

- Wallsten, Björn. Stipendium från Konung Carl XVI Gustafs 50-årsfond för vetenskap, teknik och miljö för forskning om "Urban Mining – Den byggda miljön som resursbas för metallåtervinning." 31 May 2016.
- Åsberg, Cecilia (co-applicant) with Camilla Brudin Borg (main applicant). Kungliga Vitterhetsakademien / The Royal Swedish Science Academy. Gästforskarvistelse vid Göteborgs universitet och Linköpings universitet / Visiting Professorship Visit between Gothenburg and Linköping Universities for Ursula K. Heise (USA).

CITIZEN HUMANITIES ACTIVITIES

Public Writing

- Hamilton, Jennifer. Visual Research Blog, "Weathering the City." weatheringthecity.wordpress.com
- Hamilton, Jennifer. "Property, Weather, and the Matter of Emotional Inheritance: Earth Day, 2016." Australian Research Council's Centre of Excellence in the History of Emotions public blog. <https://historiesofemotion.com/2016/04/22/property-weather-and-the-matter-of-emotional-inheritance-earth-day-2016/>
- Linnér, Björn-Ola, Viktoria Wibeck, et al. "Sverige bör ha en nollvision för växthusgasutsläpp." Debate in *Dagens Nyheter*. 20 March 2016.
- Linnér, Björn-Ola. Numerous interviews in *Dagens Nyheter*, *Svenska Dagbladet*, *Vetenskapsradion*, *Ekot*, *Sveriges Radio*, *Aktuellt SVT*.

Wallsten, Björn. "Naturvårdsverket hindrar återvinning av mineraler." Debattartikel i *Ny Teknik*. 6 June 2016.

Wallsten, Björn. "Återvinning ur nedlagda avfallsanläggningar." Remissvar på redovisningen av regeringsuppdraget. (NV-00308-15). 19 May 2016.

Wallsten, Björn. "Ojnareskogen en möjlighet för industrin." Debattartikel i *Svenska Dagbladet*. 22 January 2016.

"The Weathering Report." Research blog. weatherings.blogspot.com.

Public Presentation

Linnér, Björn-Ola. Presentation at Almadelen. "Nu ska klimatavtalet bli verklighet." Gotland, 4 July 2016.

CONSORTIUM ENGAGEMENT AND NETWORKING WITH OTHER ORGANIZATIONS

1) Edinburgh Environmental Humanities Network (EEHN), Edinburgh, Scotland, UK.

Seed Box scholars Christina Fredengren (Deep Time Scientific Leader) and Lauren LaFauci (Program Convener) participated in a number of activities with the group in Edinburgh, including five workshops:

- Unexpected Encounters with Deep Time: Enchantment (presentation by Fredengren)
- Unexpected Encounters with Deep Time: Violence (presentation by Fredengren)
- Unexpected Encounters with Deep Time: Haunting (presentation by LaFauci of collaborative research undertaken with Neimanis and Åsberg)
- Workshop 1 on funding applications (Fredengren)
- Workshop 2 on funding applications (Fredengren; collaboration also with Christine Hansen, Göteborg Environmental Humanities Network)

2) Stockholm University: New Materialism (COST Action)

- Hosted WG meeting in Stockholm University, Department of Archaeology and Classical Studies, Archaeological Research Laboratory, 5–6 February 2016. Fredengren contributed to position paper presented there: <http://www.newmaterialism.eu/working-groups/working-group-2/position-papers>

3) Humanities for the Environment: International Network

- Participation in HfE Workshop, 9–11 September 2016. (Fredengren)

OTHER

Organization of a book club, "Climate Writing," to discuss climate fiction (cli-fi). Open to all interested people at Linköping University. Meets twice per term.

Production of a map, "Weathering Microclimates." To be published by Chart Collective, Australia, in 2017.

SEED MONEY FUNDING

Alphabetical by Last Name of PI

1. Marco Armiero, Royal Institute of Technology (KTH), Stockholm, Sweden, "The United Toxic Autobiographies of Europe" (365 000 SEK). Administered by KTH.
2. Thorvador Arnason, University of Iceland, Reykjavik, Iceland, "Bifrost Multimodal Action and Platform" (420 000 SEK). With Eva Friman, Uppsala University; Steven Hartman, Mid-Sweden University; Daniel Laven, Mid-Sweden University; Peter Norrman, filmmaker/artist; Anders Birgersson, photographer/art director. Administered by Mid-Sweden University.
3. Therese Asplund, Linköping University, Linköping, Sweden (Visiting Artist), "Narratives as a Bridge-Building Practice? Exploring Thresholds for Climate Maladaptation" (218 000 SEK). With Anna Emmelin, Stockholm University; and Maria Magdolna Beky Winnerstam, director/artist. Administered by Linköping University.
4. Franziska Bedorf, Uppsala University, Uppsala, Sweden, "The Melting Snows of Kilimanjaro and Other Stories of People, Land, and Climate Change in East Africa" (175 000 SEK). Administered by Uppsala University.
5. Olga Cielemecka, Linköping University, Linköping, Sweden, "Plantarium: Re-Imagining Green Futurities" (100 000 SEK). With Marianna Szczygielska, Central European University, Hungary. Administered by Linköping University.
6. Tina Gianquitto, Colorado School of Mines, USA; and Dawn Sanders, Gothenburg University, Göteborg, Sweden, "Herbaria 3.0" (400 000 SEK). With Lauren LaFauci, Linköping University; Maura Flannery, St. John's University, USA; Sylwester Ratout, Elachee Nature Science Center, USA; and Terry Hodge, University of Wisconsin, USA. Administered by Gothenburg University.
7. Katherine Gibson, Western Sydney University, Sydney, Australia, "Urban Food Economies: Re-Thinking Value for 'More-than-Capitalist' Futures" (180 000 SEK). With Karin Bradley, Royal Institute of Technology (KTH). Administered by KTH.
8. Jennifer Mae Hamilton, University of Sydney, Sydney, Australia, "Weathering the City" (75 000 SEK). Administered by Linköping University (LiU).
9. Hanna Husberg, Linköping University, Linköping, Sweden (Visiting Artist), "Troubled Atmosphere: On the Governance of Air" (111 000 SEK). With Agáta Marzecová, Tallinn University, Estonia.
10. Veronica Pacini-Ketchabaw, Western University, Ontario, Canada, "The Wild Weathering Collaboratory" (275 000 SEK). With Maria Svedäng, Stockholm University; Astrida Neimanis, University of Sydney, Australia; Affrica Taylor, University of Canberra, Australia; Jennifer Mae Hamilton, University of Sydney, Australia; Mindy Blaise, Victoria University, Australia; Bodil Halvors, Stockholm University. Administered by Stockholm University.
11. Jesse Peterson, Royal Institute of Technology, Stockholm, Sweden, "Writing with Undisciplined Discipline: An Environmental Humanities Workshop" (88 000 SEK). With Daniele Valisena, KTH; Irma Allen, KTH; Olga Cielemecka, LiU; María Isabel Perez-Ramos, KTH; Johan Gärdebo, KTH; and Anna Kaijser, LiU. Administered by KTH.
12. Erika Sigvardsdotter, Swedish Red Cross University College, Stockholm, Sweden (Visiting Writer), "The Return of Bacteria—On the Dangerous Reduction of Complex to Complicated" (60 000 SEK). With Jonas Gren, Stockholm Resilience Center.
13. Ylva Uggla, Örebro University, Örebro, Sweden, "Visualization of Biodiversity in EU Policy" (195 000 SEK). Administered by Örebro University.
14. Sebastian Ureta, Universidad Alberto Hurtado, Chile; and Linda Soneryd, Gothenburg University, Göteborg, Sweden, "Assembling Transnational Toxic Bodies: Embodying and Mobilizing Responsibility on the 'Arica Victims KB v. Boliden Minerals AB' Case" (505 000 SEK). Administered by Gothenburg University.
15. Eva Hemmungs Wirtén, Linköping University, Linköping, Sweden, "A Tropology of Conceptual Climate Change" (450 000 SEK). With Sigi Jottkandt, University of New South Wales, Australia; Johanna Dahlin, Linköping University; Martin Hultman, Linköping University; Jami Weinstein, Linköping University; Claire Colebrook, Pennsylvania State University, USA; Lissa Holloway-Attaway, University of Skövde; and James Meese, University of Technology Sydney, Australia. Administered by Linköping University.
16. Åsa Össbo and Kristina Sehlin MacNeil, Umeå University, Umeå, Sweden, "Damage Done: Exploring the Ongoing Consequences for Sami Communities as a Result of the Swedish Hydropower Development" (372 000 SEK). Administered by Umeå University.

Who We Are

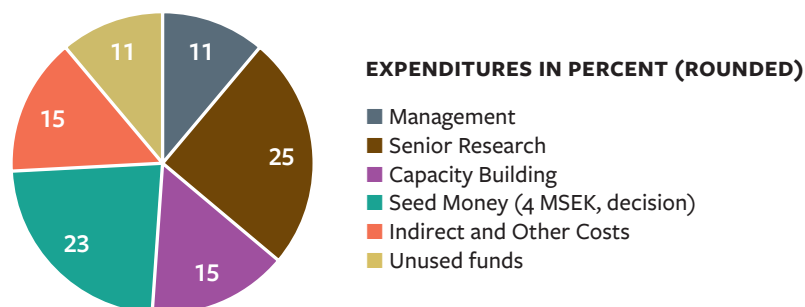
■ The Seed Box is hosted by Linköping University, who is ultimately responsible that the Program is executed and that the funding is properly managed and administered. On behalf of the Host, a Program Executive Board is appointed to ensure the quality and execution of the Program. During year 1 the board has consisted of Birgitta Svensson (chair), Steven Hartman, Annika Elmqvist and Stefan Mikaelsson. While the overarching direction of the Program, in this vein, is a question for the program board, on a day-to-day basis, the Seed Box is run by its program directors, during year 1, Cecilia Åsberg, (program director), and Johan Hedrén, later replaced by Jesper Olsson (deputy program directors). As a resource for advice in cutting edge academic and scholarly concerns, the board and program directors can engage the program's international Advisory Board, which acts as "sounding board" for matters of concern within the Program – for the composition of the advisory board, see right. During year 1, the Advisory Board was called upon as peer evaluators in connection to the Seed Money call for funding. Locally, Åsberg as the program director, together with Olsson, has appointed a Lead Team consisting of the program's scientific leaders (Jonas Anshelm, Christina Fredengren, Johan Hedrén, Eva Lövbrand, and Astrida Neimanis), and associated scholars (Bodil Axelsson and Lauren LaFauci) to support with advice in the running of the program. The program leadership also works closely with the program convener, Lauren LaFauci and the program administrator, Björn Pernrud, to ensure internal and external communication, and that an efficient infrastructure is there to support the core activities.

INTERNATIONAL ADVISORY BOARD

- **Marco Armiero**, Director, Environmental Humanities Laboratory, Kungliga Tekniska Högskolan (KTH), Sverige
- **Robert Boschman**, Professor of English, Mount Royal University, Kanada; President of Association for Literature, Environment, and Culture (ALEC) i Kanada
- **Dianne Chisholm**, Professor of English and Film, University of Alberta and University of Alberta's Arts Environmental Consortium, Kanada
- **Camille Dungy**, Professor of English, Colorado State University, USA
- **David Farrier**, Lecturer in English Literature, University of Edinburgh, Storbritannien
- **Matthew Fuller**, Professor in Cultural Studies, Goldsmith's University of London, Storbritannien
- **Yasmin Gunaratnam**, Senior Lecturer in Sociology, Goldsmith's University of London, Storbritannien
- **Donna J. Haraway**, Distinguished Professor Emerita, University of California, Santa Cruz, USA
- **Ursula K. Heise**, Marcia Howard Professor of Environmental Humanities, University of California, Los Angeles, USA
- **Mike Hulme**, Distinguished Professor Culture and Climate, King's College London, Storbritannien
- **Catriona Mortimer Sandilands**, Canada Research Chair in Sustainability and Culture, York University, Kanada
- **Serpil Oppermann**, Professor of English Language and Literature, Hacettepe University, Turkiet; and European Association for the Study of Literature, Culture, and Environment (EASLCE)
- **Vandana Shiva**, Distinguished Professor, Physicist, Activist, Philosopher; Recipient of the Right Livelihood Award (Sverige) and the Early Day International Award (United Nations)
- **Thom van Dooren**, Senior Lecturer in Environmental Humanities, University of New South Wales, Australien
- **Donald Worster**, Professor Emeritus, University of Kansas, USA



Financial Report



■ In total, the Seed Box program spans four years and is financed by Mistra and Formas to the sum of 40 million SEK. Linköping University co-finances the program to the sum of approximately 14 million SEK (including both cash and in-kind). The yearly financial report accounts for the income and expenditures during year one of the program, which in actuality spans 16 months (1 Sept 2015 – 31 Dec 2016). After presenting the figures in table below, some comments and explanations are provided.

■ Considering the funding available for the 16 months of year 1, approximately 11 % was used for program management, including the day to day running of the program, as well as costs for the program board. Approximately 25 %, mostly in the form in-kind co-financing, was dedicated to senior research, and to post doc research based at Linköping University. Of available funds, 15 % was dedicated to capacity building activities and investments. This includes salary for PhD students, costs for the visiting researchers/artists program, communication activities, and also to a smaller extent salary for one of the consortium based post docs.

■ Initially, three consortium based post docs were scheduled to commence during year 1, but in actuality the necessary agreements had been finalized in just one case. Both remaining agreements has been finalized early in 2017, and the approximately 1.5 million SEK that these postdocs would have cost in year 1, will now occur in 2017 and 2018.

■ In October 2016, the program board decided about the first round of Seed Money awards in October 2016. At this point, a total of 4 million SEK were distributed between 16 projects. By the end of 2016, 1 020 000 SEK had been requisitioned by the recipients, while the remaining nearly 3 million SEK is being transferred to the respective grant managing institutions early in 2017. Seed Money awards, considering the 4 million SEK that was decided during 2016, uses about 23 % of the funding available. About 15 % has been used for other costs, and to cover the university's indirect costs for hosting the program. After the full 4 million SEK in Seed Money awards, about 11 % of the funds available for the first year, remain unused.

| INCOME | |
|------------------------------------|-------------------|
| Mistra/Formas | 13 333 333 |
| Linköping University, co-financing | 1 333 333 |
| Linköping University, in-kind | 2 841 270 |
| TOTAL | 17 507 936 |

| EXPENDITURES | |
|--|-------------------|
| Program Management (Directors, administration, convener) | 1 707 891 |
| Program Board | 185 685 |
| Research (core projects, and local post docs) | 1 458 151 |
| Research (in-kind) | 2 841 270 |
| Research School, and PhD students | 2 263 133 |
| Consortium based post doc program | 164 371 |
| Visiting program | 244 225 |
| Workshops, symposia and seminars | 16 443 |
| Communication | 97 007 |
| Seed Money | 1 020 000 |
| Other costs | 199 361 |
| Indirect costs and premises | 2 396 964 |
| TOTAL | 12 594 501 |
| RESULT | 4 913 435 |

■ Notably, during year 1, the program has spent nearly 5 million SEK less than expected. The major contributions to this surplus come from the delay in finalizing the post doc agreements for two of the consortium based post docs (1.1 million SEK); the pace in which funding has been requisitioned by institutions outside of Linköping, partly in connection to an already agreed consortium based postdoc and partly in connection to the Seed Money grants (1.5 million SEK); a gap between one of the PhD students cancelled their training and a new one being appointed (400' SEK); that the costs for the PhD students from a budget perspective are spread evenly throughout the course of the programme, but due to salary development the actual costs are lower in beginning than after four years (600' SEK), that the indirect costs are lower, as a consequence of the direct costs being lower than budgeted (750' SEK).

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