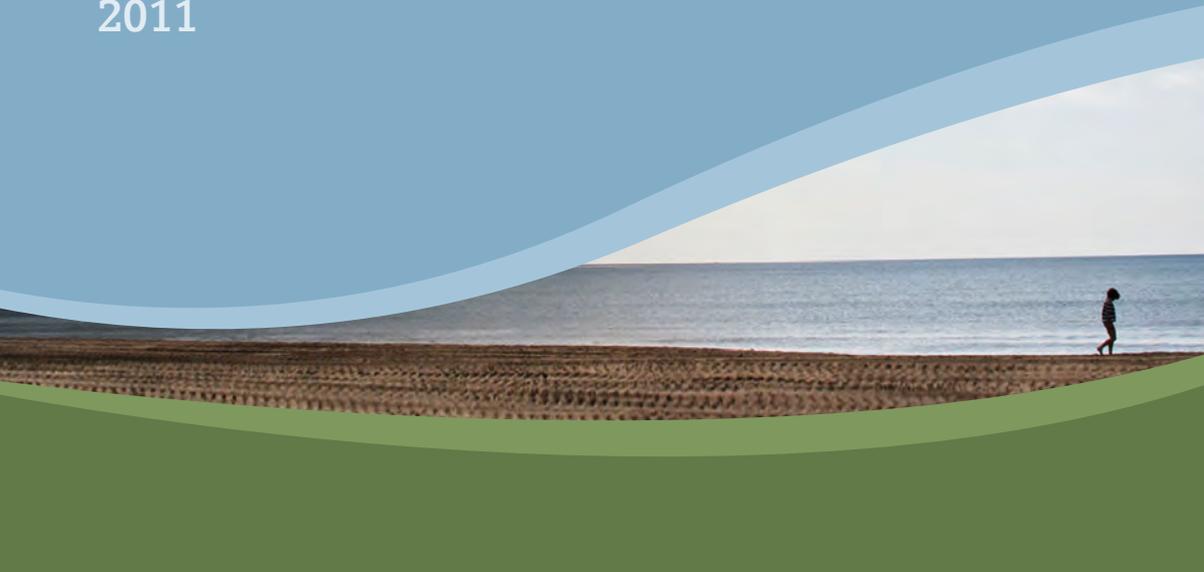


Rachel
Carson
Center

ENVIRONMENT AND SOCIETY

The Rachel Carson Center for Environment and Society

Annual Report
2011



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The Rachel Carson Center for Environment and Society

Activities and Programs

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1 Executive Summary

In autumn 2011, the Rachel Carson Center for Environment and Society (RCC) celebrated two full years of existence. If the first year was about establishing itself as a physical presence, putting down roots, and grounding itself in its local, national, and global environments, then this second phase has been driven by enormous connectivity. With the stabilization of the focal structures of the RCC—its international fellowship program, its research initiatives, and its publications—it has been an encouraging year, during which the Center has witnessed how each of these structures has inspired a multitude of new ideas, cooperative ventures, networks, conversations, energies, and synergies.

At any point during 2011, visitors to the RCC could not have failed to notice the diversity of the fellowship, as a walk along the corridor meant passing the workspaces of a mixture of established scholars and new academic talent from multiple disciplines and any combination of five continents. Visitors are, of course, nothing new: applications received by the RCC, either as a Carson Fellow, Visiting Fellow, or to attend a workshop or conference, numbered over five thousand in 2010 and 2011. With our regular e-newsletter now sent to over thirteen hundred recipients and with alumni fellows across the world increasingly involved with the RCC, awareness of and interest in the RCC continues to grow. The connections that arise from the encounters between individual fellows and staff at the RCC and their partner institutions, LMU Munich (Ludwig-Maximilians-Universität) and the Deutsches Museum, are too numerous to list, but have brought about, among others, workshops on biocultural diversity and neurohistory, an innovative hybrid conference on “Re/Cycling,” and a conference entitled “Salmon Voices,” which brought together rural practitioners of fish farming from Canadian First Nations and Lapland for the first (but almost certainly not last) time in history.

Furthering connections between the RCC and leading figures, the RCC hosted several key policymakers in 2011 and engaged them in discussions on political and ethical issues. Among these visitors was State Secretary Cornelia Quennet-Thielen from the German Federal Ministry of Education and Research and Senator George McGovern, a former US presidential candidate and currently the UN Global Ambassador on World Hunger.

An ever-growing number of visitors have come to the RCC via the Center's internet connections. Through its network of historical sources, archival images, and custom-designed tools and interfaces, the Environment & Society Portal virtually mimics the opportunity to make the kinds of serendipitous and interdisciplinary connections that are provided by the fellowship program. In terms of publications, the RCC continues its broad approach, aiming to connect with both academic and non-academic audiences. The Center has produced seven new issues of its lively digital journal, the *RCC Perspectives*. The first three books in its German-language *Umwelt und Gesellschaft* series have been published, with three more under way; in addition, the first volume in the peer-reviewed, English-language series, *The Environment in History: International Perspectives*, is now in production. Fellows have also made use of the opportunity to speak about their research via non-traditional channels, such as short films produced by the RCC and posted on the web; as well, a new image film about the Rachel Carson Center was released at the end of this year.

Further new connections with long-term implications have been developed between established academics and new scholars in the form of various programs and initiatives which aim to nurture emerging talent. The LMU doctoral program, "Environment and Society," was launched at the end of 2010, and only a year later, it boasts more than twenty students. The varied insights from their national backgrounds (such as Costa Rica, Bangladesh, Nigeria, Iran, and Israel) add important voices to the dialogue at the RCC. The Global Environments Summer Academy, held as part of the Munich International Summer University and co-sponsored by the Global Diversity Foundation, connected eighteen exceptional graduate students and young professionals from across the world during a four-week program of lectures and discussions at the Center. The RCC also co-hosted the European Society for Environmental History (ESEH) summer school for doctoral students, which focused on the intersections between water, culture, and politics, and which was, aptly, held in Venice, Italy.

When not receiving visitors, the RCC is an active visitor itself. RCC infrastructures support networking and connectivity between individuals and projects, but also give rise to a number of influential cooperative enterprises between the RCC and other organizations, facilitating a two-way flow of ideas. The Global Diversity Foundation and the ESEH are just two such organizations. The ESEH biennial conference, held

in Turku in June 2011, was another event during which the RCC demonstrated its commitment to debate within the field of environmental history. The Center provided more than two dozen conference panels comprised of staff and fellows (past, present, and future), and launched the Turku Book Award for environmental history writing. RCC Director Christof Mauch was subsequently named President of the ESEH. Other fruitful partnerships in 2011, both new and continuing, have been with the Goethe Institut, the Institute for Advanced Study in the Humanities (KWI) in Essen, and the University of Alberta, Canada.

Canada has indeed proved to be an interesting locus of connection for the RCC in 2010 and 2011. Aided by the generosity of the Canadian Embassy, the center hosted a series of Canadian speakers at its Lunchtime Colloquium and at a series of additional guest lectures on Canadian environments. The RCC also welcomed Visiting Fellow Alan MacEachern, Director of NiCHE (Network in Canadian History and Environment) and a professor at the University of Western Ontario. With Canada so present in the dialogue at the RCC, it was perhaps inevitable that an issue of the *RCC Perspectives* (2011/4) should be completely devoted to that country; the six short essays are from very different disciplinary viewpoints, but are connected by their examination of Canada's relationship with its environment.

In conjunction with these European and transatlantic links, the RCC has continued to forge important connections with its local environment. Following the success of the film screening of *Climate Refugees* in May 2011, which featured a question and answer session with Director Michael Nash, the RCC has launched a film series, with documentaries screened at Munich's largest cultural center, the Gasteig. The first five films focused on the topic of energy and were each followed by a discussion with a guest speaker, either the film's director or an environmental expert. The series, which continues into 2013, has already been positively received by the city's population, and the screenings regularly attract around 100 viewers.

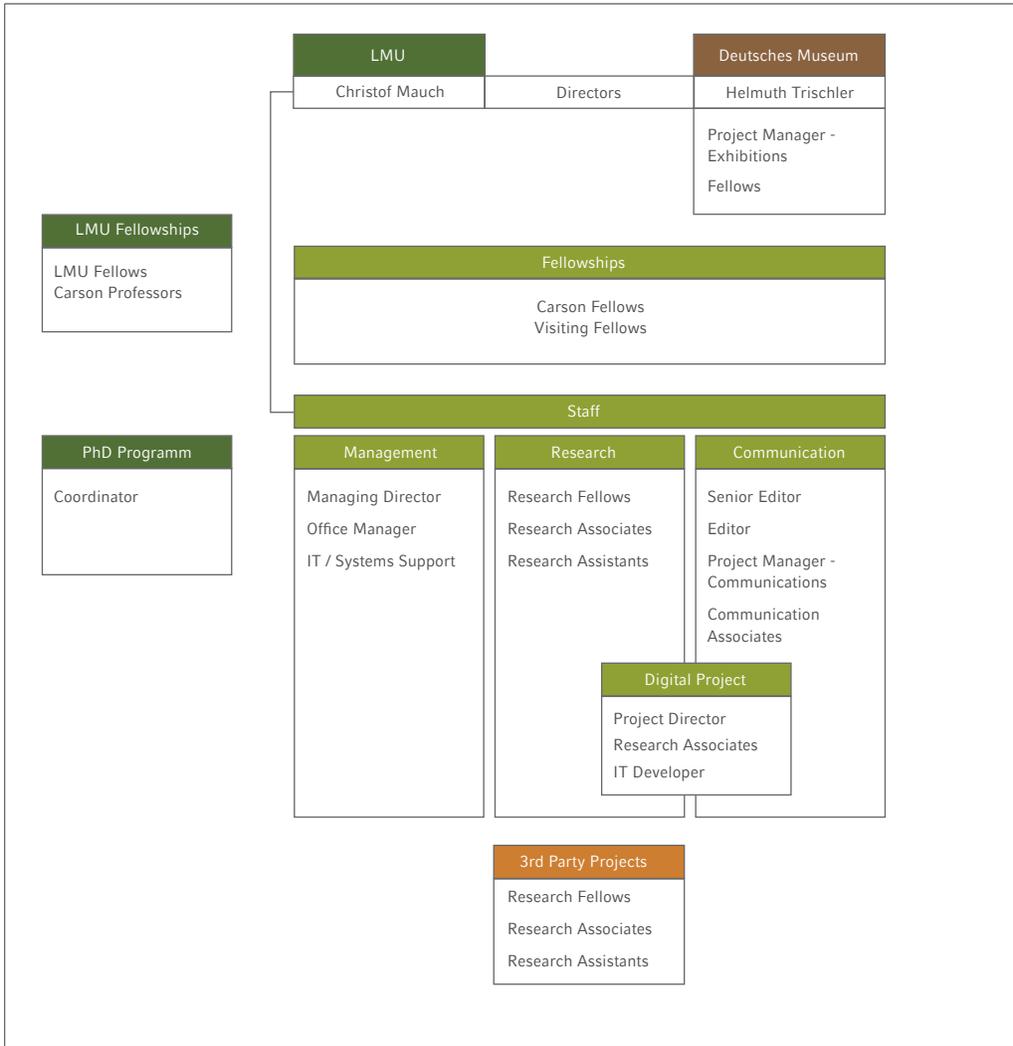
In order to strengthen the integration between LMU Munich and the RCC, the Center introduced the so-called "Carson Professorships." These new research positions are awarded annually to outstanding LMU faculty who work in the environmental humanities or social sciences. In 2011, Markus Vogt, Chair of Christian Social Ethics,

served as the first Carson Professor. During his tenure, he presented his research at over thirty conferences, organized workshops and events, and published more than fifteen scholarly articles on climate ethics, sustainability, and the role of the church in environmental debates.

Internal connectivity was also a priority in 2011 as staff and fellows worked together at a productive retreat in November to assess progress at the Center and outline goals for the future. Aiming to draw insight from all in attendance—from the student research assistants to the Carson Fellows, the retreat was structured around dynamic, rotating working groups that dealt with a variety of issues from “strengths and weaknesses of the RCC” to “the RCC in 2015.” The discussions led to a multitude of new ideas and impulses for research and work at the Center in the years to come.

The connections listed above have been the source of an enormous amount of productivity during 2011. The RCC has continued to promote and expand its own key programs, while becoming a major player and creative partner in so many other initiatives. Meanwhile, its alumni, associates, and friends are an ever-growing and dynamic body of people devoted to substantive conversations on the past, present, and future of our planet. The RCC is at the heart of so much dialogue and so many ideas, and the interface for so many countries, time zones, biospheres, cultures, disciplines, and languages, that 2011 can already be called a key year in the center’s development. The sparks from this year’s many connections are lighting the way to an even more energetic 2012.

2 Organigram



Academic Board

Associates

Key to Funding Scheme

- LMU
- BMBF
- Deutsches Museum
- 3rd Party Funding
- Other

3 Academic Board

The RCC is extremely fortunate to have an international group of experts in the environmental humanities to serve on its academic advisory board. The board includes leading historians, sociologists, geologists, and anthropologists who are based in countries such as the United Kingdom, Switzerland, Australia, South Africa, the United States, and Germany. Not only does the board offer its advice and support throughout the year, they convene annually in December in Munich to discuss both the research and organization of the Center. The advisory board meeting allows the board to interact with staff and fellows, learn more about the projects, and help define strategic goals for the future. In addition to their work in Munich, the board also serves to anchor the RCC globally, as board members assist with strategic planning and also publicize the research of the Center.

Prof. Dr. Greg Bankoff, University of Hull, UK

Prof. Dr. Ulrich Beck, LMU Munich, Germany

Prof. Dr. Jane Carruthers, University of South Africa, Pretoria (Chair)

Dr. Georgina H. Endfield, University of Nottingham, UK

Prof. Dr. Bernd Herrmann, Georg-August-Universität Göttingen, Germany (Co-Chair)

Prof. Dr. Geneviève Massard-Guilbaud, L'École des Hautes Études en Sciences Sociales (EHESS), Paris, France

Prof. Dr. Wolfram Mauser, LMU Munich, Germany

Prof. Dr. John R. McNeill, Georgetown University, Washington D.C., USA

Prof. Dr. Renate Schubert, ETH Zurich, Switzerland

4 Research Clusters

The Rachel Carson Center groups its research and activities into six (often interrelated) thematic clusters: Natural Disasters and Cultures of Risk; Transformation of Landscapes; Resource Use and Conservation; Environmental Knowledge and Knowledge Societies; Environmental Ethics, Politics, and Movements; and Ecological Imperialism. In order to both maintain diversity and provide coherence to the fellowships and activities at the RCC each year, the annual call for fellowships features three or four rotating thematic clusters. Even though the clusters focus on different areas, they are all linked through the central theme of the Center: nature as a cultural challenge.



Julian Lengfelder

Natural Disasters and Cultures of Risk

This cluster has been central to the Carson Center's research activities, not least because the annual call for fellowships included this theme three years in a row. Given this early prominence, many of the RCC publications to date have focused on

natural disasters and concepts of risk. Carson Fellow Sherry Johnson completed her monograph, *Climate and Catastrophe in Cuba and the Atlantic World in the Age of Revolution* (Univ. of North Carolina Press, 2012), during her fellowship in 2010. One of the volumes in the Carson Center's German-language book series, *Umwelt und Gesellschaft*, examines issues of fire and safety during the transition from the early modern to the modern period (Cornel Zwierlein, *Der gezähmte Prometheus: Feuer und Sicherheit zwischen Früher Neuzeit und Moderne*, 2011). Project Director Uwe Lübken completed his habilitation manuscript on the history of the flooding of the Ohio River in the nineteenth and twentieth centuries; he is preparing it for publication in the same series. Lübken has also edited a volume on fire hazards together with RCC Advisory Board Member Greg Bankoff (*Flammable Cities: Urban Conflagration and the Making of the Modern World*, University of Wisconsin Press, 2012), and together with Christof Mauch, he guest-edited a special issue of the journal *Environment and History*, titled *Uncertain Environments: Natural Hazard, Risk, and Insurance in Historical Perspective* (17/1, 2011). Finally, two *RCC Perspectives* volumes have sprung from research in this area: Christian Pfister's innovative *longue durée* analysis, "The Monster Swallows You': Disaster Memory and Risk Culture in Western Europe, 1500-2000" (2011/1) and a collaborative volume between Carson Fellows, staff, and noted sociologist and RCC Advisory Board Member, Ulrich Beck. The latter ("Revisiting Risk Society: A Conversation with Ulrich Beck," 2011/6) represents the published outcome of a reading group on risk theory as well as a discussion with Beck, fellows, and staff. The history and implications of natural disasters have also formed the backbone of many RCC events. The weekly Lunchtime Colloquium has seen talks by, among others, volcanologist Donald B. Dingwell (LMU Munich) and Pakistan landslide expert Martin Sökefeld (LMU Munich), as well as Virginia Garcia Acosta (Centro de Investigaciones y Estudios Superiores en Antropología Social), who discussed disaster risks and adaptive strategies in a Mexican context. A doctoral summer school in May 2010 highlighted projects on the history of climate change, natural hazards, and natural disasters. And, with the Bavarian American Academy, the RCC co-sponsored a conference on natural disasters in a US American context; the conference proceedings, *American Environments: Climates—Cultures—Catastrophes* (Universitätsverlag Winter), edited by RCC Director Christof Mauch and Carson Affiliate Sylvia Mayer, will be published in February 2012.

Transformations of Landscapes

Another major thematic cluster, Transformations of Landscapes, brings together research on regions from across the globe. Carson Fellows have worked on such diverse topics as the intensification of agriculture in Dazhai, China (Maohong Bao) and militarized landscapes in Britain (Marianna Dudley). Landscape has been broadly



Ines Jenewein

defined. Thus, mining and its implications—both above and below ground—for the development of the land were discussed at the workshop “History Underground: Environmental Perspectives on Mining.” Likewise, oceanscapes and coastal areas were the topic at a conference “Final Frontiers: Exploring Oceans, Islands, and Coastal Environments” that took place at the Island Institute in Rockland, Maine, USA. In a further example of taking RCC research into new venues, Carson Fellow Stefan Dorondel and Research Fellow Ursula Münster organized a comprehensive panel at the German Anthropological Association, “Contested Environments: The Political Ecology of Agrarian Change and Forest Conservation,” with participants from four continents. Finally, Canadian landscapes formed a key part of the narrative in the *RCC Perspectives* volume on Canadian environmental history, entitled “Big Country, Big Issues: Canada’s Environment, Culture, and History” (2011/4).

Resource Use and Conservation

This cluster has allowed for a broad look at resource scarcity and energy use in different countries around the world. Both exploitation and preservation are at the core of RCC research within this thematic cluster. A cooperative series of symposia and events (together with twelve universities and research centers in the Munich region)



Daria Butenko

has so far drawn crowds of five hundred people or more to the Amerika Haus where RCC-sponsored discussions on sustainability were held. A conference titled “Defied—Damned—Depleted: Energy as Resource, Symbol, and Consumer Good,” has led to the exhibition “Cable Tangle: Energy Consumption in Households” at the Deutsches Museum. Another resource—water—shaped the European Society for Environmental History doctoral summer school, “Water—Culture—Politics,” in Venice, Italy, and the keynote speech at this event by Carson Fellow Donald Worster was published as *RCC Perspectives* issue 2011/5 (“The Flow of Empire: Comparing Water Control in China and the United States”). Furthermore, vital resources and resource politics have been the themes of several lunchtime colloquia. The talks were held by such outstanding scholars as David Blackbourn (Harvard University) and Kathryn Olesko (Georgetown

University); RCC Visiting Fellow Jagdish Lal Dawar (Mizoram University, India) presented on the social implications of water distribution in northeastern India while Carson Fellow John McNeill discussed global resource use in the era of the industrial revolution. Connecting issues of resource use to more contemporary environmental issues, a conference sponsored by Germany's oldest learned society, the *Leopoldina*, brought speakers (some of them members of the RCC Advisory Board) from Australia, Brazil, China, India, and the United States to Munich. They discussed the evolution of resource use and resource depletion and the impact for future generations; the conference proceedings, *From Exploitation to Sustainability? Global Perspectives on the History and Future of Resource Depletion* (Wissenschaftliche Verlagsgesellschaft), edited by RCC Director Christof Mauch and Advisory Board Member Bernd Herrmann, will be published in 2012. Finally, a parallel session conference looked at resource conservation, technology, and sustainability from an innovative angle: by juxtaposing two older technologies—cycling and recycling—that have become novel again, the conference demonstrated how older ways of dealing with mobility and waste can offer new insights and perspectives for the future. The conference papers will be published both in special issues of the journals *Mobilities* and *Journal of Modern European History* as well as in the RCC book series *The Environment in History: International Perspectives*.

Environmental Knowledge and Knowledge Societies

Knowledge, due to often quite divergent definitions throughout history and across cultures, makes up one of the most complex research clusters at the Carson Center. It cannot be forgotten that modern knowledge of the environment is always acquired in competition with—or in discursive and practical separation from—traditional knowledge forms (“traditional ecological knowledge”). Research in this area at the RCC has worked towards bridging this divide, with projects ranging from Carson Fellow Reinhold Leinfelder's wide-ranging examination of the Anthropocene to Carson Fellow Hou Shen's work on the knowledge transfer from American environmentalists to the Chinese population; from RCC Director Helmuth Trischler's analysis of knowledge societies and expert cultures in Europe since 1850 to Carson Fellow



Paula Gil Alsonso

Clapperton Mavhunga's research on the interaction between guns and the environment in state-making processes in Africa. Furthermore, LMU Fellow Frank Uekoetter published a comprehensive intellectual history of German agriculture (*Die Wahrheit ist auf dem Feld: Eine Wissensgeschichte der deutschen Landwirtschaft*) in the RCC's German-language book series, *Umwelt und Gesellschaft*. In addition, some of the most cutting-edge workshops at the Center fall into the thematic cluster on environmental knowledge. Carson Fellow Edmund Russell's workshop on "Neurohistory" brought together neuroscience practitioners and historians in a true transdisciplinary exchange on how neuroscience technologies, specifically the fMRI, could lend themselves to historical research. Finally, another workshop, "Why Do We Value Diversity," took the very concept of "diversity" as its starting point and analyzed the political, social, cultural, and particularly the ecological implications of this idea for the environmental humanities.

Environmental Ethics, Politics, and Movements

Though only included in one call for fellowships to date, this research area has already shown enormous potential as seen through a variety of publications and events which have engaged with ethical considerations, environmental movements, or political issues. Markus Vogt, Carson Professor in 2011, is a leading environmental ethicist; his *RCC Perspectives* issue, “Climate Justice” (2010/3), analyzes conflicts, rights, and incentives surrounding CO₂ emissions. One of the volumes in the *RCC* series *Umwelt und Gesellschaft*, by Ute Hasenöhr, *Zivilgesellschaft und Protest: Eine Geschichte der Naturschutz- und Umweltbewegung in Bayern 1945-1980* (2011), details the history of environmental protests in Bavaria from 1945-80. In addition, two highly innovative conferences highlighted important considerations in this cluster. “Salmon Voices: Indigenous Peoples and the Fish Farming Industry” focused on the political disenfranchisement as well as areas of empowerment in indigenous fishing practices. “Realizing Utopia: Ecovillage Endeavors and Explorations” examined the cultural, social, and political dimensions of so-called “ecovillages,” communities which model and promote ecologically sound living practices.

Ecological Imperialism

The final cluster has not yet been advertised and stands to form a key part of research from 2012-15 as fellows and staff grapple with the diverse environmental legacies of colonial regimes.

The Relationship between Nature and Culture

While the six thematic clusters serve to structure research at the Center, they—like any categories—cannot be taken as self-contained or complete. It is precisely the overlaps, the moments of synthesis, and even the gaps which make the research of the Center truly interdisciplinary. Some of the most comprehensive projects and events at the Center dip into several, if not all, of the clusters and effectively tie together the

international and interdisciplinary work of the RCC in the environmental humanities. The Global Environments Summer Academy, jointly sponsored with the Global Diversity Foundation, brought twenty graduate students from around the globe to Munich to engage in a month-long course that included topics from all RCC clusters. The Environment & Society Portal, which went online in November 2011, not only helps coalesce RCC research, but it also brings the diverse work from the six research areas to the interested public with online exhibitions, a multi-media gallery, and three unique searching tools (map viewer, timeline tool, and keyword explorer). Through its clusters, the Center allows for new research questions to be developed and new conceptions of the environmental humanities to form. In line with the requirements of the German Federal Ministry of Education and Research, the thematic clusters at the RCC provide the backbone for increasing both the international profile and the interdisciplinary nature of the environmental humanities.

5 Projects

In 2011, the RCC continued to develop projects and programs which both complemented the research clusters of the RCC and connected the Center with a greater network of scholars and the interested public. These projects include the path-breaking Environment & Society Portal, or “the Portal,” which had its beta launch on 25 November 2011; the Portal makes a wide set of resources available online to students, instructors, and other individuals who are interested in the environmental humanities. The project, “Environment and Memory: Towards an Archaeology of Environmentalism,” offers further digital resources, as well as books and workshops, which look into the historical memories that resonate in our environmental thinking. In 2011, the collaborative project, “Climates of Migration” also began; this project examines historical intersections between climate change and migration patterns. “Climates of Migration” receives special BMBF (German Federal Ministry of Education and Research) funding and is jointly run by the RCC and the Institute for Advanced Study in the Humanities (Kulturwissenschaftliches Institut, KWI Essen). Finally, the RCC is engaged in a multitude of other cooperative projects which further strengthen the bonds between the Center and the international community of scholars. An example of these endeavors is the project, “Atmosphere & Algorithms,” which connects scientists working in the fields of climate research and computer science with scholars from the humanities and social sciences who are interested in the production and use of environmental knowledge; the project receives funding from the German Research Foundation.

Environment & Society Portal



The Environment & Society Portal, which is run by a team directed by Project Director Kimberly Coulter, provides free and open access to digitized multimedia, scientific publications, and interpretive materials in environmental humanities for academic

communities and the interested public. The Portal's logo, designed to evoke a tree ring, represents human participation in, engagement with, and understanding of the natural environment.

The Portal allows users to explore content of interest and to visualize connections. Visitors can choose from three custom-designed, interactive navigation tools (map viewer, timeline, and keyword explorer) to discover information and resources on topics ranging from natural disasters to natural resource management. On 25 November 2011, following a phase of intensive evaluation and testing by selected users, the Portal launched its beta version with a sampling of diverse starter content:

Environment & Society Portal

Exploration tools Contents Connections

Welcome to our Portal

The Environment & Society Portal is a nonprofit education and research project that aims to make environmental humanities materials freely and openly accessible. We are pleased to launch with a small but fascinating selection of digital multimedia and interpretive features. Our goal is to cultivate the spirit of exploration and serendipity that characterizes research, allowing users to find—in a digital environment—unexpected results.

We invite you to discover something unexpected! To get started, type a search term in the box to the right, or click on one of the three navigation tools below.

Search the Portal

Sample searches:

- "Floods"
- "environmental movements"
- "pollution"

Traverse the globe
Zoom, pan, and plot search results on the Map Viewer

Travel through time
View and compare events with the Timeline Tool

Trace connections
Find related results with the Keyword Explorer

Multimedia Library for environmental humanities

The Multimedia Library's diverse collection of digitized documents, images, podcasts, and films aims to inspire curiosity about environmental humanities topics and possibly even new ideas for research.

→ [Browse Multimedia Library](#)

About the Portal

The Environment & Society Portal is created by the Rachel Carson Center for Environment and Society, a joint initiative of LMU Munich and the Deutsches Museum. The center is supported by a grant from the German Federal Ministry for Education and Research. [Read more about the Portal.](#)

- 220 illustrated summaries of environmentally significant events
- 10 multimedia library items: digitized images, films, podcasts, articles, and reports
- 5 illustrated articles for the series “Arcadia: European Environmental Histories”
- 1 interpretive exhibition (on the role of railroads in landscape transformation)

A particularly strong focus of the Portal concerns sustainability, featuring content on its emergence as a concept or ethic, practices that promote sustainability, and policies that encourage or regulate such practices.

The screenshot displays the 'Environment & Society Portal' interface. A central pop-up window highlights the entry for 'Germany's "Green Point" recycling system' from 1990. The entry includes a title, a brief description of the German Verpackungsverordnung (Packaging Act), and a 'Close' button. Below the title, there are four colored icons (green, yellow, orange, blue) representing different recycling categories. The main text explains that the system was implemented in 1991, regulated recycling, and was criticized for not adequately encouraging consumers to sort properly. The entry also lists 'Themes' (Environmental Knowledge, Resources), 'Keywords' (recycling, sustainability, waste, management), 'Region' (Germany), and 'Related links' (Grüner Punkt Germany, Packaging Recovery Organization Europe). A 'Further readings' section lists a book by Heinicke, Matthias. Navigation buttons for 'previous result', 'Contribute', and 'next result' are visible at the bottom of the pop-up. The background shows a timeline of environmental events, with '1990' and '1994' clearly marked.

In the coming year, the Portal will dramatically expand all featured content areas and will introduce new features to help users contribute and share content as well. We hope the Portal will cultivate the spirit of exploration and serendipity that characterizes research, allowing users to find—even in a digital environment—unexpected results.

Arcadia Online Explorations in European Environmental Histories

Welcome to the Arcadia Project

The Arcadia Project is a new online European environmental history resource with encyclopedia-like articles, images, and links about any site, event, person, organization, or species as it relates to both nature and human society.

Search Arcadia

Recent entries

- An Environmental History... J. Lajus
- The History of the... S. Binbec
- The Gran Paradiso... G.e. Haselberg
- An Environmental History... R. Gross
- Taming the Danube... S. Hohenwarter
- St. Petersburg and the ... S. Binbec
- The Gran Paradiso... A. Krakowski
- The Great Flood of 1962... F. Mauch

Popular entries

- The History of the... S. Binbec
- The Gran Paradiso... G.e. Haselberg
- An Environmental History... R. Gross
- Taming the Danube... S. Hohenwarter
- St. Petersburg and the ... S. Binbec

About the Arcadia Project

The project is a collaboration of the Rachel Carson Center for Environment and Society (RCC) and the European Society for Environmental History (ESEH). Initial contributions will come from ESEH members and will focus on the field of European environmental history. In the future, the project will expand to include non-ESEH contributors and cover all world regions. To the extent possible, each entry will include time, theme, and location data in order to make it viewable on map- or timeline-viewers, and searchable and browsable as part of the RCC Environment & Society Portal.

[Arcadia on map](#) [Arcadia in time](#)

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One of the major sub-projects of the Portal is the project, “Arcadia: Explorations in European Environmental History.” Arcadia is an online European environmental history resource with encyclopedic articles, images, and links concerning any site, event, person, organization, or species, as it relates to both nature and human society. The project is a collaboration of the RCC and the European Society for Environmental History (ESEH). To the extent possible, each entry will include time, theme, and location data, in order to make it viewable on both the map- or timeline-viewers as well as searchable and browsable on the Portal. Initial contributions have come from ESEH members and have focused on the field of European environmental history. In the future, the project will expand to include non-ESEH contributors and cover all world regions.

“Environment and Memory: Towards an Archaeology of Environmentalism”

The project, “Environment and Memory,” which is run by LMU Fellow Frank Uekoetter and a team of research associates and research assistants, seeks to provide a deeper understanding of key events in environmental history that have influenced and defined human understanding of environmental issues. It investigates how memories have taken shape, how they have changed over time, and how they relate to historical facts. The concept draws strongly on the tradition of critical history pursuant to Pierre Nora’s *lieux de mémoire*.

“Environment and Memory” encompasses several diverse media: an essay collection with about a dozen articles on German and global sites of environmental memory, scheduled for publication in 2012; a series of interviews with eyewitnesses—transcripts will be stored in the archive of the Deutsches Museum; and, an online presentation (www.umweltunderinnerung.de) on German sites of memory with interactive features that encourage visitor feedback. These projects run in parallel, speaking to each other, while maintaining their own individual character.

“Environment and Memory” provides a platform for diverse views and gives a voice to multiple perspectives, while highlighting facts and contexts. Perhaps most crucially, it links academic debate and public outreach in a way that benefits both sides. By providing historical background to current discussions, academics can contribute to a more informed debate—and, conversely, learn more about environmentalism’s past and present by reflecting on public perceptions and collective memories.

“Climates of Migration”

A joint project between the Institute for Advanced Study in the Humanities (Kulturwissenschaftliches Institut, KWI Essen) and the Rachel Carson Center, “Climates of Migration” looks at the historical intersections between environmental change and migration and is particularly interested in climate-induced movements of people

in the past. At the RCC, the project is supervised by Project Director Uwe Lübken. Seven individual projects—five dissertations and two post-doctoral projects—will shed light on how, where, and why people have migrated as a result of droughts, cold periods, floods, hurricanes, and other extreme natural events. In addition, the database CLIMIGRATION.DAT will collect hundreds of historical case studies and make them available to the interested public.



David Soll on “The Irony of Sanitation” at the Environmental Change and Migration in Historical Perspectives conference

The project members, stationed in Essen and Munich, met several times throughout 2011 for organizational purposes and also to exchange ideas. They have traveled throughout Germany (Berlin, Freiburg, etc.) for several small research workshops with leading scholars in the field, such as Dorothee Brantz, Anthony Oliver-Smith, Christian Pfister, and Rüdiger Glaser. These workshops looked at interfaces between climate and history, as well as the intersections between climate change analyses and urban studies.

In August 2011, scholars from around the world gathered at the Internationales Begegnungszentrum in Munich for the first of three international conferences of the project. The main and most important result of this conference was the insight that “environmental migration” is a much more complex and ambivalent phenomenon than is usually acknowledged. Case studies from Alaska, India, Bolivia, Australia, and many other places made clear that environmental reasons often played an important part in individual decisions to move, but in most cases were also accompanied by deliberations on social, economic, ethnic, or cultural grounds.

“Atmosphere & Algorithms”

“Atmosphere & Algorithms” is a collaborative research project, funded by the German Research Foundation, which includes researchers from four different countries (Great Britain, the Netherlands, France, and Germany). The transdisciplinary project connects scientists working in the fields of climate research and computer sciences with scholars from the humanities and social sciences who have a specific interest in the production and use of environmental knowledge. RCC Director Helmuth Trischler serves as one of the projects’ principal investigators.

The primary goal of the project is to analyze the transformative power of simulation in the production of environmental knowledge. Simulation is often staged as a third principal tool of scientific inquiry, following theory and experiment. Climate research, which is based on complex models and simulations, is particularly suited for this type of analysis. After an initial conference at the RCC and Deutsches Museum in 2010, “Atmosphere & Algorithms” held three workshops in 2011 including a two-day meeting in Munich in October. The workshop program included presentations at the corporate research center of Munich Re, the world’s biggest reinsurance company, and at the German Aerospace Center in Oberpfaffenhofen, a town south of Munich.

“Atmosphere & Algorithms” exemplifies the dual goal of RCC research as the project gives a voice to the humanities in topical debates on environmental issues, and at the same time, it blurs the boundaries between the “hard” sciences and the “soft” humanities.

Eveline Dürr, deputy chair of the advisory board for the PhD Program 'Environment and Society,' at a workshop



6 Graduate Programs and Internships

While the primary purpose of the Carson Center is to bring together established scholars and post-docs from all over the world, the RCC has also developed a range of programs to further research endeavors and opportunities for undergraduate, masters, and doctoral students. Many of these programs have been made possible through outside funding, from institutions such as LMU Munich and the Global Diversity Foundation. 2011 marked the first year of the Global Environments Summer Academy (GESA), a course for graduate students that offered participants the chance to learn about, discuss, and reflect upon the most pressing and controversial global challenges of our time. The RCC also sponsored two other doctoral events in 2011: a weekend doctoral seminar with Bündnis, Mensch und Tier (Foundation for the Connection between Humans and Animals) and a week-long summer school with the European Society for Environmental History in Venice. Furthermore, the RCC continues its support of doctoral education with its PhD Program “Environment and Society.” In 2011, the RCC also established its internship program which targets undergraduates at LMU Munich as well as other interested students from across the globe.

Global Environments Summer Academy (GESA)

GESA was designed to broaden and deepen the knowledge, networking, and communication skills of graduate students who are concerned about the human dimensions of environmental challenges. Offered as part of the Munich International Summer University (MISU) and representing a partnership between the RCC, the Global Diversity Foundation (GDF), LMU’s International Office, and the International University Club e.V., GESA focused on the human elements of global environmental change, ranging from community management practices and institutions to planetary processes. Co-directors Gary Martin (RCC / GDF) and Christof Mauch (RCC) developed a curriculum that spanned local to global scales in exploring the most critical contemporary environmental issues through the lens of biocultural diversity studies, environmental history, and sustainability science. Participants gained literacy in policy matters and acquired skills in research design, fieldwork methods, and data analysis related to documenting local environmental knowledge and community institutions.

Designed for advanced masters and PhD students, GESA was highly collaborative and interactive, allowing the international and multidisciplinary group of participants to work closely with the faculty and each other.



GESEA participants engaging in discussion

In August, eighteen students representing as many countries and nationalities and speaking over twenty-five languages participated in the inaugural GESA course. In promoting a transdisciplinary approach, GESA combined a variety of learning modes, such as lectures, round-table discussions, small group work, student presentations, and hands-on exercises. The students worked with RCC staff, fellows, and visiting scholars, and attended lectures on topics including indigenous versus scientific conceptions of disaster, the Anthropocene, and climate variability. In addition, they interacted on a daily basis in self-organized research and study groups; their evenings featured screenings and discussions of environmental documentaries. The participants also experienced the environmental and cultural diversity of Munich with walking lectures, “green” bike tours, and excursions to local attractions, including the Deutsches Museum through which RCC Director Helmuth Trischler guided the group. Finally, the daily “ethnobotany breaks” allowed the participants to share aspects of their own cultural traditions—in the form of local delicacies—with one another. In order to preserve and share their intense learning experience, the GESA students developed a variety of online resources that display the results of their learning. The

website www.globalenvironments.org features articles, photos, videos, and blogs which document the course output of the summer. Students compiled a bibliography, a glossary, and film reviews of materials which had anchored their explorations throughout the summer and which also provide a further resource to visitors. They also prepared PowerPoints on a variety of policy matters which are available for download. The inaugural GESA session provided a further global dimension to RCC research; it also contributed significantly to the training and development of future environmental leaders. Due to its success and relevance, the program will continue to be offered in the coming years as an established course in the Munich International Summer University.

Second ESEH Summer School “Water—Culture—Politics: Perspectives in Environmental History”

Jointly organized by the RCC and the ESEH, the second ESEH Summer School chose Venice, Italy as its home in June 2011 due to the city’s relevance to the overarching theme of “Water-Culture-Politics.” Venice, as the stage, topic, and constant site of inspiration for the summer school, provided mesmerizing cityscapes and a comprehensive experience of how water functions concurrently as a foundation of power, a line of defense, and a transportation infrastructure. Participants spent most of their working time at the Centro Tedesco di Studi Veneziani, located in the sixteenth century Palazzo Barbarigo della Terazza. The Palazzo has exhilarating views of the Grand Canale and hosted numerous inspirational debates during the summer school. A second venue for the Summer School, the island of San Servolo and the Venice International University (VIU), is only a few minutes vaporetto ride from the Piazza San Marco. The VIU was an exciting venue for participants where students had the chance to engage with the important topics of globalization, innovation, environmental sustainability, and cultural heritage. These topics coalesced with the presentation of host, Ignazio Musu.

Twenty students from seventeen European countries such as Russia, Portugal, Germany, and United Kingdom, as well as participants from Canada and Brazil, joined mentors—established scholars in environmental history—for the week-long course. The international student body gave presentations encompassing a wide spectrum of



Participants, ESEH Summer School, Venice, Italy



Felix Mauch and Michael Neundlinger (two participants) in Venice

topics, time periods, and geographical areas, with a special focus on the interaction between water and humankind. The Summer School was led by RCC Director Christof Mauch, and the international faculty from six different countries—among them Carson Fellow Donald Worster—lectured on such topics as rivers and vulnerability, economic challenges for urban sustainable development, and water control in empire building. The participants were given time for group work and, of course, there were excursions to locations around Venice, including the Arsenale, the Puntolaguna, and the laguna of Venice. The Summer School offered doctoral students in Europe the opportunity to present their research, receive unique feedback from experts in the field, and experience first-hand the relationship between nature and culture in an urban environment.

Doctoral Seminar “The Human-Animal Relationship”

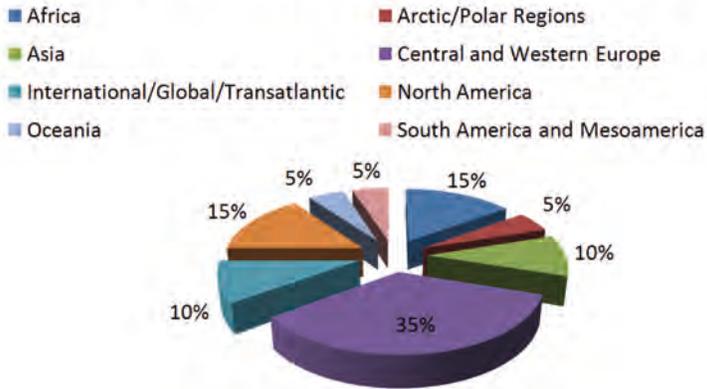
Horned goats, mink farms, the history of domesticated animals, and an archeological examination of Egyptian animals were all discussed in the context of the doctoral seminar, “The Human-Animal Relationship,” which represented a cooperative venture between Bündnis, Mensch und Tier and the RCC. Bündnis, Mensch und Tier is a foundation which promotes sustainable developmental procedures in order to improve the relationship between humans and animals. Doctoral candidates whose research focus matches that of the foundation presented and discussed their research in a two-day workshop that was headed by the Chair of Bündnis Mensch und Tier, Carola Otterstedt, and RCC Director Christof Mauch.

PhD Program “Environment and Society”

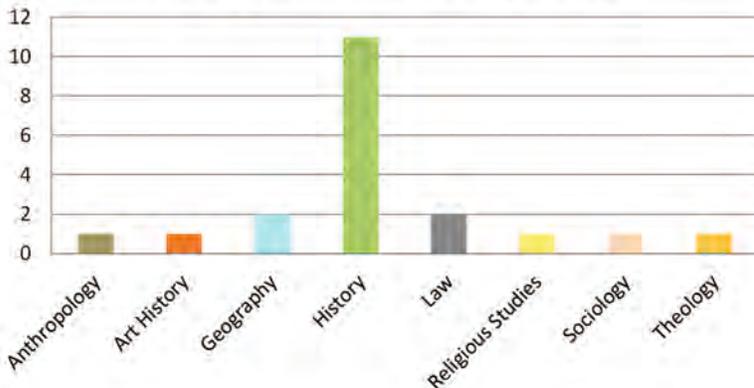
In 2011, the RCC also welcomed its second cohort of students to the PhD Program, “Environment and Society,” an interdisciplinary certificate program in environmental studies at LMU Munich that received special funding from the university for a two-year period. The PhD Program is aimed at graduates from the humanities, social sciences, and natural sciences who wish to research questions concerning the nature/culture/environment interface. Within the scope of the Program, doctoral students acquire the ability to understand the origins and interactions of complex natural and social proces-

ses. The Program brings together expertise on environmental research from university and non-university institutions in Munich and is based at the RCC. The academic board, headed by RCC Director Christof Mauch, is made up of professors from nine diverse disciplines, such as history, religious studies, anthropology, geography, and art history. It is coordinated by Elisabeth Zellmer at the RCC.

PhD Candidates - Area of Research



PhD Candidates - Discipline



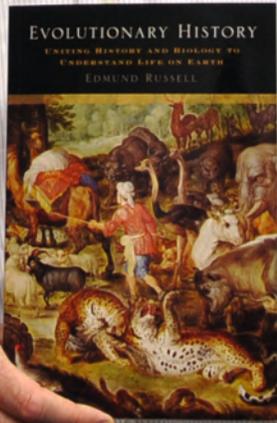
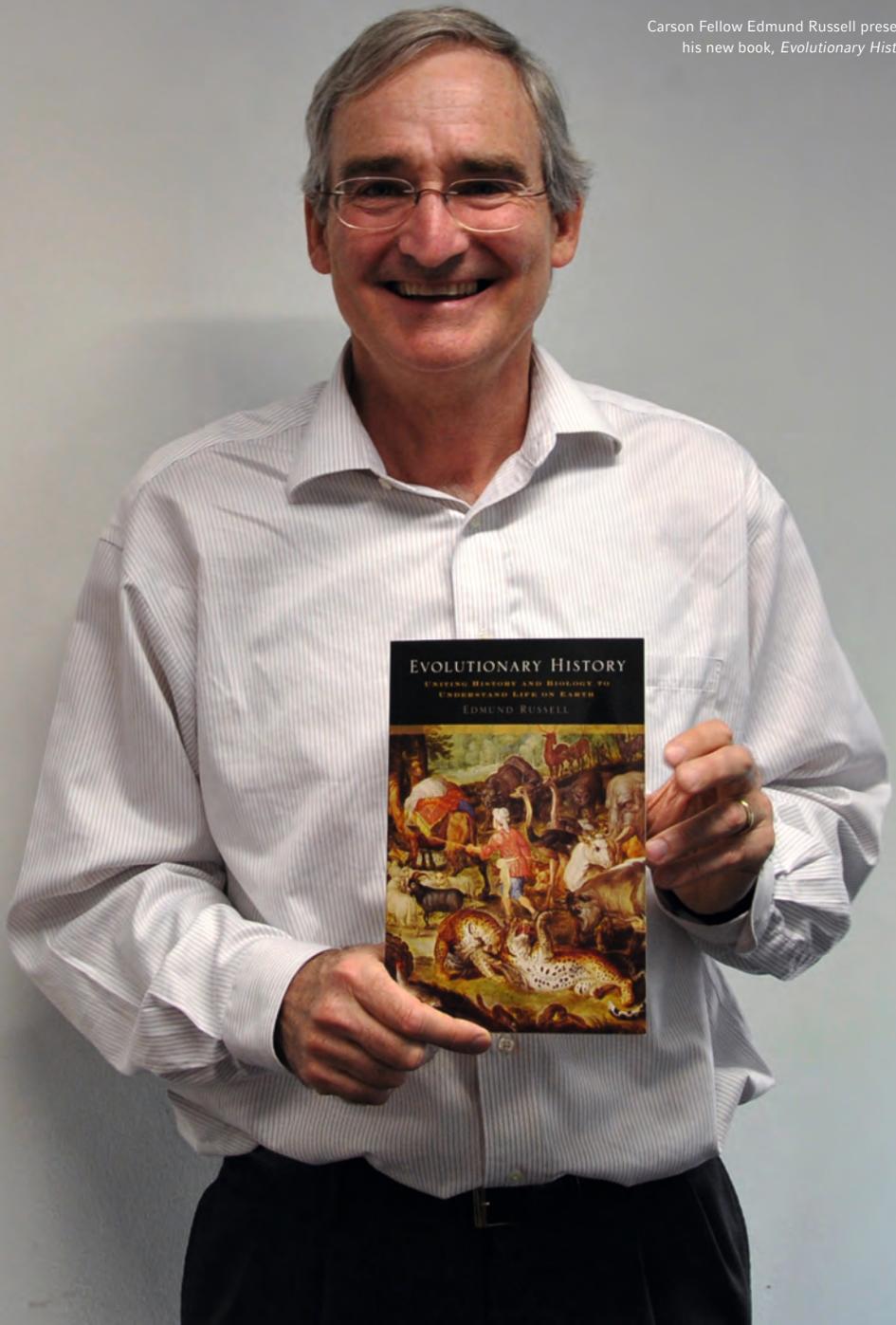
Eight new students joined the Program in the winter semester of 2011-12, bringing the total number of participants to twenty-one. There is no “typical” participant, as the disciplines range from history to law to literature and the students’ home countries include Germany, Switzerland, Bangladesh, Nigeria, South Korea, Iran, Russia, Israel, and Costa Rica. In addition to several doctoral colloquia in which the academic board and doctoral candidates had the opportunity to discuss the students’ work, the students improved their professional skills with workshops in academic writing, intercultural communications, and presentation skills.

The PhD Program is well-integrated into the RCC, as students use the facilities, participate in events, and discuss their research with the fellows. With the success of the Program in its current form, the RCC is in the process of expanding graduate research opportunities in Munich. A proposal under consideration, which would be funded by the German Research Foundation, is one that aims to establish a graduate center with a research focus on studies related to waste and trash disposal, processing, and re-use. Altogether, the PhD Program’s stimulating research environment, intensive supervision, and opportunity to form international networks offer excellent possibilities for intellectual growth for doctoral students who plan careers in the environmental humanities.

Internship Program

In 2011, the RCC officially established an internship program with interns coming from Canada, the United States, Austria, Turkey, and Germany. The interns were enrolled in diverse degree programs such as American studies, international politics, environmental engineering, anthropology, and environmental history. While at the Center, interns have conducted research for the Portal as well as for Center staff and fellows. They have also assisted with event organization and have written conference reports. In addition, the interns attend Center events thus ensuring that they leave the Center with a deeper understanding of environmental humanities research. The interdisciplinary backgrounds of the interns demonstrate that the work of the RCC is connecting with a broad range of disciplines both in Germany and abroad.

Carson Fellow Edmund Russell presents his new book, *Evolutionary History*



7 Publications and Media

To broaden its outreach to the public, the Carson Center utilizes a variety of media, including three publications series. The RCC has two book series, one in English with Berghahn Books (New York and Oxford) and one in German with Vandenhoeck & Ruprecht, which promote well-researched and innovative monographs in environmental history. The *RCC Perspectives* series, an online occasional paper series, allows the Center to share scholarly editorials and fresh empirical research originating from RCC-related events and contemporary dialogues. Additionally, fellows and staff members guest-edited several academic journals and published monographs and essay collections. Above and beyond that, the RCC maintains a highly visible website and newsletter which further promote the work of the Center. A variety of short films, available on the RCC website, publicize the work of the Center and its fellows. Finally, a number of national and international newspaper and magazine articles as well as TV documentaries that feature the work of fellows and staff reveal the extent to which the Center is becoming a global player in environmental debates.

The Environment in History: International Environmental History, Berghahn Books (New York and Oxford)

The Environment in History: International Environmental History is an English-language series of monographs and anthologies showcasing state-of-the-art research in environmental history around the world. The series is peer reviewed by scholars affiliated with the RCC and the European Society of Environmental History (ESEH). Editors are Christof Mauch, David Moon, Helmuth Trischler, and Petra van Dam. Currently six manuscripts by authors from six countries are under review by the series editors or peer reviewers. The first book in this series is currently in production and will be published in August 2012:

- Bernhard Gissibl, Sabine Höhler, and Patrick Kupper, eds., *Civilizing Nature: National Parks in Global Historical Perspective*

Umwelt und Gesellschaft (Environment and Society), Vandenhoeck & Ruprecht

Umwelt und Gesellschaft is positioned to become the prime German-language outlet for high-quality monographs and edited volumes of environmental research within the humanities, with a special emphasis on environmental history. It is interdisciplinary and open in thematic and methodological respects. The series is edited by Christof Mauch, Helmuth Trischler, and Frank Uekoetter. Currently four book manuscripts are under review or are being revised for publication. In 2010, the series published two books, and in 2011, volume 3 was released:

- Frank Uekoetter, *Die Wahrheit ist auf dem Feld. Eine Wissensgeschichte der deutschen Landwirtschaft* (2010).
- Ute Hasenöhr, *Zivilgesellschaft und Protest. Eine Geschichte der Naturschutz- und Umweltbewegung in Bayern 1945-1980* (2010).
- Cornel Zwierlein, *Der gezähmte Prometheus. Feuer und Sicherheit zwischen Früher Neuzeit und Moderne* (2011).

RCC Perspectives

In 2011, *RCC Perspectives* released seven new issues, ranging from monographs by leading academics to provocative collections of shorter essays. A limited number of print copies of each issue exist, but as originally conceived, the *Perspectives* series thrives as an online publication. Online usage statistics show encouraging growth in the number of people accessing the publications from our website, and feedback is extremely positive:

Quite simply, this set of short, pithy essays was one of the finest examples of the collective importance of environmental history. It was not only gratifying to read, it was heartfelt and full of articulations of the need for what we do that can be translated across the sciences and the policy spectrum.

Emily Wakild, Assistant Professor of History, Wake Forest University, Winston-Salem, NC (reaction to “The Future of Environmental History,” 2011/3)

The Center's association with the Bavarian State Library means that the digital publications have a permanent home, and moreover are now issued with URNs (Uniform Resource Names).

List of *Perspectives* issues:

- 2011/1 Christian Pfister, “‘The Monster Swallows You’: Disaster Memory and Risk Culture in Western Europe, 1500-2000”
- 2011/2 Frank Uekoetter, “The Magic of One: Reflections on the Pathologies of Monoculture”
- 2011/3 Kimberly Coulter and Christof Mauch, eds., “The Future of Environmental History: Needs and Opportunities”
- 2011/4 Nadine Klopfer and Christof Mauch, eds., “Big Country, Big Issue: Canada's Environment, Culture, and History”
- 2011/5 Donald Worster, “The Flow of Empire: Comparing Water Control in China and the United States”
- 2011/6 Lawrence Culver et.al., “Revisiting Risk Society: A Conversation with Ulrich Beck”
- 2011/7 Frank Uekoetter, “Consigning Environmentalism to History: Remarks on the Place of the Environmental Movement in Modern History”

Outreach

One of the main avenues of publicity at the Carson Center is the RCC website which includes profiles of Carson Fellows and staff, overviews of various research projects, and event descriptions, as well as links to *RCC Perspectives* and the Center's newsletter. In 2011, the website received visits from over 37,000 different worldwide users in over 70 countries: most of the visitors were located in Germany and the United States, but the site also received significant traffic from users located in Great Britain, France, Austria, South Korea, Brazil, Australia, and Japan, among others. Subscriptions to the RCC's newsletter—regularly circulated by the RCC's communications manager Arielle

Helmick—increased in 2011 by about 200% to a total of 1,300 subscribers. Clearly, the RCC’s scholarly output has generated interest from online users on a global scale.

Media publications about the RCC reveal the prominence of the Center, both locally and internationally. The research magazine *LMU Insights / LMU Einsichten* published an article, “The Power of Nature,” in both its English and German editions about the work at the Center; the RCC, as well as the research of RCC Director Christof Mauch, Research Fellow Julia Herzberg, and Carson Fellow Stefania Gallini, were featured. The Carson Center was also praised in a recently released publication of the German Advisory Council on Global Change as a shining example of a German research center employing an interdisciplinary focus for environmental studies.

Internationally, articles about the RCC’s staff, research, and events were published in the United States, Canada, and Norway. The *RCC Perspectives* issue, “The Future of Environmental History: Needs and Opportunities,” was the subject of a prominent article on the website of the National History Center, Washington, DC, United States. RCC Director Christof Mauch served as an ambassador for the Center, as evidenced by the articles that appeared in the local press about his 2011 visit to Alberta, Canada. The workshop “Salmon Voices: Indigenous Peoples and the Fish Farming Industry,” which was organized by Visiting Fellow Dorothee Schreiber, received press coverage in several Norwegian newspapers, including the *NRK Sápmi*.

Furthermore, diverse TV documentaries in Germany and Brazil included interviews with RCC staff and fellows; RCC Director Christof Mauch was interviewed on the Santa Catarina state television in Brazil and served as an expert for a Bavarian television documentary on the United Nations conference on desertification. RCC Director Helmuth Trischler was also interviewed by the Bayerischer Rundfunk (Bavarian Broadcasting) as well as by the Dutch newspaper, *de Volkskrant*. LMU Fellow Frank Uekoetter was featured on numerous radio stations in Germany, including an interview on Radio Bremen about his newest monograph, *Am Ende der Gewissheiten*. Uekoetter was also featured on German television in a documentary about vegetarianism.

8 Events

In 2011, events at the RCC—from intimate discussions with public figures to academic conferences to film screenings with large audiences—continued to showcase the diversity of research and projects at the Center.

Lunchtime Colloquium



Snacks at Lunchtime Colloquium

The core of the RCC events calendar, the Lunchtime Colloquium series, is the most public forum in which the Center's research is presented; fellows, staff, and interested guests and parties from Munich and beyond gather weekly on Thursdays from 12-2 p.m. The colloquium always begins with snacks, allowing those in attendance to exchange ideas and to network. Topics in 2011 ranged from risk and the environment in the post-9/11 novel to African hunters in Zimbabwe, and from Canadian national parks to waste as a tourist experience. Speakers came from countries such as Austria and Australia, Columbia and the United States, Italy and Canada, Japan and India. In October, the Lunchtime Colloquium outgrew its former accommodations in LMU's history department and is now being held in a larger lecture hall that is located in Leopoldstraße 11—the same building as the Carson Center.

- 13 January **Wilko Graf von Hardenberg** (RCC / University of Trento, Italy): “The Alps as a Contested Environment: A Transregional History”
- 20 January **Donald B. Dingwell** (LMU Munich): “Dance on a Volcano: What Sets the Tune?”
- 27 January **Emilian Kavalksi** (RCC / University of Western Sydney, Australia): “Inside, Outside, and Around: The Emerging Complexity of Global Life”
- 03 February **Verena Winiwarter** (Alpen-Adria-University, Klagenfurt): “The Blue Danube? Towards an Environmental History of the ‘River of the European Future’”
- 10 February **Eveline Dürr** (LMU Munich): “Slumming: Waste as Tourist Experience”
- 05 May **Donald Worster** (RCC / University of Kansas): “Facing Limits: Abundance, Scarcity, and the American Way of Life”
- 12 May **Melinda Laituri** (RCC / Colorado State University): “Digital Representations of Legacy Landscapes”
- 19 May **Martin Schmid** (RCC / Alpen-Adria-University, Klagenfurt): “An Environmental History of the Danube, 1500–1900”
- 26 May **David Blackbourn** (Harvard University): “The Culture and Politics of Energy in Germany: A Historical Perspective”
- 09 June **Jagdish Lal Dawar** (RCC / Mizoram University, Aizawl, India): “Conserving Natural Resources: Indigenous Knowledge Systems among the Hill Tribes of Northeast India”
- 16 June **Kathryn Olesko** (Georgetown University): “Water in the Prussian Frontier”

- 30 June Carson Fellows **Anne Milne** and **Diana Mincyte** presented a short documentary on Rachel Carson and then led a discussion on her work and role in environmental studies.
- 07 July **Claire Campbell** (Dalhousie University, Halifax, Canada): “Written on the Landscape: National Parks and the Story of Canada”
- 14 July **Stephen Bell** (RCC / University of California, Los Angeles): “Leo Waibel and the Transformation of Land Use in Brazil”
- 21 July **Alan MacEachern** (RCC / The University of Western Ontario): “Canadian National Parks and the International Donation of Wildlife”
- 28 July **John McNeill** (RCC / Georgetown University): “Towards a Global Environmental History of the Industrial Revolution”
- 04 August **Anthony Oliver-Smith** (University of Florida, USA): “Defying Displacement: Grassroots Resistance and the Critique of Development”
- 11 August **Simon Werrett** (RCC / University of Washington): “Recycling and the History of Science”
- 18 August **Clapperton Mavhunga** (RCC / Massachusetts Institute of Technology, USA): “Firearms as Prophylactics against Vermin: African Hunters in the Engineering of a Tsetse-Free Environment in Colonial Zimbabwe”
- 25 August **Tim LeCain** (RCC / Montana State University): “Cattle, Silkworms, and Modernity: An Environmental History of Japanese and American Copper Mining”
- 20 October **Roland Scholz** (ETH Zurich) “Who Invented the Environment? Explorations into Science and Society”

- 27 October **Carolina Castro Osorio, Imke Schmidt, & Ryoko Yamamoto:** “Sustainable Behavior Among Consumers: Perspectives from Japan, Colombia, and Germany”
- 03 November **Sylvia Mayer** (University of Bayreuth): “Dwelling in Crisis: Risk, Environment, and Sense of Place in the Post-9/11 Novel”
- 10 November **Paul Josephson** (RCC / Colby College): “What Do the Environmental Histories of Jamaica and Russia Have in Common?”
- 17 November **Kärin Nickelsen** (LMU Munich): “The Ambivalence of Nature: Investigations into an Eighteenth Century Concept”
- 24 November **Martin Sökefeld** (LMU Munich): “The Attabad-Landslide: Pakistan and the Politics of Disaster”
- 01 December **Geneviève Massard-Guilbaud** (Ecole des Hautes Etudes en Sciences Sociales, Paris): “Industrial Pollution: A Long-term Perspective”
- 02 December **Colloquium Workshop with Carson Fellows**
- **Daniel Philippon** (RCC / University of Minnesota): “Ideal Meals: Ecology, Morality, and Pleasure in the Sustainable Food Movement”
 - **Istvan Praet** (RCC / Roehampton University, London): “Animism and the Perception of the Environment”
 - **Maohong Bao** (RCC / Peking University, China): “Land Transformations in Chinese Environmental History”
 - **Fiona Cameron** (RCC / University of Western Sydney, Australia): “Governing a Complex Climate Change: Liquid Governmentalities and the Climate Crisis”
- 08 December **Marcus Hall** (University of Zurich): “Parasites Are Us: Metaphor and Environment in the History of Parasitology”

- 15 December **Etienne Benson** (Max Planck Institute for the History of Science, Berlin): “Gray Squirrels and Ecological ‘Community’ in the American City”
- 22 December **Marianna Dudley** (RCC / Bristol University, UK): “Environmental Movement: Towards Walking as a Methodology for History”

Conferences, Workshops, Summer Schools, and Panels



Participants on an excursion at the Final Frontiers conference

In 2011, the RCC sponsored over twenty conferences and workshops which brought researchers together from all over the world—more than forty countries. All of the workshops and conferences were inspired by research done at the RCC. Carson Fellow Edmund Russell, for instance, organized the first workshop worldwide on “Neurohistory.” This event was co-sponsored by LMU’s Neuroscience Center and it examined how neuroscience can help historians understand the past.



John Gillis's presentation at the Final Frontiers conference

Carson Fellows Gary Martin and Diana Mincyte, together with Research Fellow Ursula Münster, invited scholars from all over the globe and a variety of different disciplines to explore the question “Why Do We Value Diversity?” Other conferences looked at such different topics as climate migration (a major research focus at the RCC) or at the way in which “ecocinema” creates meaning and provokes emotions about the environment.

One of the highlights in 2011 was a conference entitled “Re/Cycling Histories: Users and the Paths to Sustainability in Everyday Life.” Jointly organized by Ruth Oldenziel (Technical University Eindhoven), Heike Weber (Technical University Berlin), and RCC Director Helmuth Trischler, the transdisciplinary conference connected scholars from a wide spectrum of environmental humanities and social sciences. This event also adopted a unique format—parallel sessions—as it tackled the issue of sustainable technologies by considering commonalities in cycling and recycling.

Among the most exciting events in 2011 were workshops that brought together both academics and practitioners. Thus, for instance, “Salmon Voices: Indigenous Peoples and the Fish Farming Industry,” invited members of the coastal Sami communities, First Nations from British Columbia and Atlantic Canada, as well as academics from



Salmon Voices: Indigenous People
and the Fish Farming Industry

both countries, to Munich and marked the first time indigenous people from Canada and Norway met to discuss their experiences with the salmon aquaculture industry. Also, the workshop “Realizing Utopia: Ecovillage Endeavors and Explorations,” in cooperation with Research in Community e.V., featured ecovillage activists, political journalists and academics who discussed ecovillages as contemporary expressions of environmentalism and social change.

While most conferences and workshops took place in Munich, some of them were organized with partners in other countries. The Carson Center organized panels at the European Society for Environmental History’s Biennial Meeting in Turku, Finland, and at the German Anthropological Association’s Annual Meeting in Vienna. The conference “Final Frontiers: Exploring Oceans, Islands, and Coastal Environments,” which took place over five days, was held at the Island Institute in Rockland, Maine, United States.



Participants of the Exploring Ice and Snow
in the Cold War conference

- 20-22 January “Defied-Damned-Depleted: Energy as Resource, Symbol, and Consumer Good” (Deutsches Museum, Munich)
- 27-29 January “Exploring Ice and Snow in the Cold War” (Deutsches Museum, Munich)
- 11-12 February “Is Complexity the New Framework for the Study of Global Life?”
- 17-19 February “An Environmental History of the Early Modern Period: Experiments and Perspectives”
- 28 February “Anthropology Meets Environmental History: Case Studies from Greenland, Canada, and Papua New Guinea”
- 04-05 March “Sickness, Hunger, War, and Religion” (Museum Mensch und Natur, Schloss Nymphenburg, Munich)
- 28 March “Dramas of Ecology”



Sylvia Kunitz at the Re/Cycling Histories workshop

- 11 April “New Approaches in Environmental History”
- 20 May “Spring School in Environmental History” (Estonian Graduate School of Cultural Studies and Arts, Muhi, Estonia)
- 27-29 May “Re/Cycling Histories: Users and the Paths of Sustainability in Everyday Life” (Deutsches Museum, Munich)
- 04-05 June “Why Do We Value Diversity?”
- 06-07 June “Neurohistory”
- 09 June Panel: “Second German Forum on Sustainability” (LMU Munich)
- 21 June Panel: “Film, Disaster, and the Social” at the Association for the Study of Literature and Environment 2011 Conference (Bloomington, Indiana, United States)



Modern technology and academic discussion at the History Underground: Environmental Perspectives on Mining workshop

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|-----------------|--|
| 20-25 June | “Water-Culture-Politics: Second ESEH Summer School” (Centro Tedesco di Studi Veneziani, Venice, Italy) |
| 23-25 June | “History Underground: Environmental Perspectives on Mining” |
| 28 June-02 July | Diverse Panels: “Encounters of Sea and Land: Sixth European Society for Environmental History Conference” (Turku, Finland) |
| 22-23 July | “Moving Environments: Affect, Emotion, and Ecocinema” |
| 28-30 July | “Comparing Apples, Oranges, and Cotton: Environmental Histories of the Plantation” |
| 02-26 August | “Global Environments Summer Academy: Socio-ecological Interactions in a Dynamic World” |
| 04-06 August | “Environmental Changes and Migration in Historical Perspective” (Internationales Begegnungszentrum, Munich) |



Discussions over lunch at the Realizing Utopia: Ecovillage Endeavors and Explorations workshop

- 14-17 September Panel: “Contested Environments: The Political Ecology of Agrarian Change and Forest Conservation” at the German Anthropological Association Annual Conference
- 07-08 October “Salmon Voices: Indigenous Peoples and the Fish Farming Industry” (Amerika Haus, Munich)
- 20-23 October “Final Frontiers: Exploring Oceans, Islands, and Coastal Environments” (Island Institute, Rockland, Maine, United States)
- 27-29 October “Continuity in Energy Regimes” (Deutsches Museum, Munich)
- 31 October “Realizing Utopia: Ecovillage Endeavors and Explorations”

(Unless specified, the event took place at the RCC.)

Lectures and Discussions

Throughout 2011, the Carson Center sponsored numerous special lectures. Together with several other universities and research institutions in Munich, the RCC organized a major series of podium discussions titled “Sustainability: Hope, Change, Action.” The series was planned by Carson Professor Markus Vogt and RCC Director Christof Mauch, among others. Each discussion was recorded and broadcast on Bavarian television.

Other talks and lectures included: a lecture by historian David Blackbourn (Harvard University) on cultivated landscapes and wilderness in Germany which took place at LMU’s Center for Advanced Studies; a talk by Gregg Mitman (Director of the Nelson Institute for Environmental Studies, University of Wisconsin-Madison) on human-animal relations and the media; and lectures by Canadian scholars Arthur Ray and Dianne Newell (University of British Columbia) on Canadian environmental and Native history. Senator George McGovern from the United States also visited the RCC in October; currently a UN ambassador on World Hunger, McGovern discussed both issues of hunger and environmentalism with staff and fellows.



Senator George McGovern visits the RCC

Furthermore, environmental ethics expert and Carson Professor Markus Vogt gave lectures on “Ethics after Chernobyl and Fukushima,” on “Risk, Responsibility, and Change in Energy Policy,” and on “Ethical Aspects of Sustainability.” Also LMU Fellow Frank Uekoetter discussed his new book on the future of environmental movements with experts and activists.

Film Screenings

After a special film screening of *Climate Refugees* in May (with director Michael Nash), the RCC launched a documentary film series titled “Green Visions.” Organized by Carson Fellow Alexa Weik von Mossner and held at Munich’s largest cultural center, the Gasteig, the series is a cooperative project between the RCC, ECOMOVE International, the Ökologische Bildungszentrum, and the Münchner Volkshochschule. “Green Visions” screens environmental documentaries from across the world, followed by discussions with directors, environmental experts, and film scholars. The series is organized to run during academic semesters, and each semester has a thematic focus. The theme for the winter term 2011-12 is “Energy”; film topics include electric cars, uranium, and oil, among others. “Green Visions” has already proven to be quite popular with Munich audiences, drawing crowds between 80 and 120 people.

In addition, the RCC cooperated with the Amerika Haus Munich to screen documentaries on well-known American conservationists. The first film shown was *John Muir in the New World*, a documentary which profiles the life of Muir, the founder of the Sierra Club; it was introduced and contextualized by Carson Fellow and Muir biographer, Donald Worster. Following this screening, the RCC also presented *Green Fire: Aldo Leopold and a Land Ethic for Our Time*, which detailed the life of Aldo Leopold, father of wildlife management and of the United States’ wilderness system. Susan Flader, an expert on Leopold from the University of Missouri and one of the advisors of the film, led a question-and-answer session following the film.

Selected RCC Partners



9 Collaborations

Since its inception in 2009, the RCC has partnered with over 100 institutions and organizations on research initiatives, events, and other projects. These partners truly span the globe and represent the local, regional, and international goals and interests of the Center. While the partner organizations range from the Bavarian American Academy to the Estonian Academy of Sciences, and from the University of Alberta, Canada to the Center for Environmental History at Jadavpur University, India, there are a number of institutions that the RCC worked most closely with.



The Sickness, Hunger, War, and Religion workshop at Museum Mensch & Natur, Munich

First, and perhaps most importantly, the European Society for Environmental History (ESEH) has been a key partner of the Center for the past two years. The ESEH is a scholarly society that was founded in 1999 to promote environmental history in Europe. In 2011, the RCC and the ESEH worked together on five major projects: the Arcadia web portal, the annual Summer School, the Turku Book Award, an international book series, and the preparation of the next ESEH Biennial Meeting.

Aiming to both digitize and popularize environmental history, the Arcadia project is an online resource with encyclopedic articles, images, and links about relevant sites, events, people, organizations, and species which relate to both nature and human society. The initial entries are being supplied by members of the ESEH with plans to open the site for submissions from all interested scholars.



Ryoko Yamamoto presents her work at the RCC Lunchtime Colloquium (October 2011)

In addition to Arcadia, the RCC and the ESEH collaborated for the second consecutive year on the annual summer school for graduate students—this year entitled “Water-Culture-Politics” and held in Venice, Italy at the Centro Tedesco di Studi Veneziani. Organized by RCC Director Christof Mauch, the summer school brought together doctoral candidates from all over Europe and gave them the opportunity to present their work and discuss their research with mentors—established scholars from both the RCC and the ESEH.

The RCC and ESEH co-sponsor the Turku Book Award, which was presented for the first time in 2011 at the Sixth Biennial Conference of the ESEH. The award committee, with members drawn from both the ESEH and the RCC, received more than two dozen books for consideration which represented both wide-ranging geographical and temporal diversity. With five finalists, the inaugural award went to Stefania Barca (Portugal) for a book published by the British publisher White Horse Press: *Enclosing Water: Nature and Political Economy in a Mediterranean Valley, 1796-1916*.

The fruitful partnership between the RCC and the ESEH will continue in 2012 and beyond, as both organizations continue to sponsor the Arcadia project, the summer school, and the Turku Book Award. The ESEH and the RCC also have a joint book series, *The Environment in History: International Perspectives* (Berghahn Books), which will see its first release in 2012. Finally, both organizations are currently preparing the Seventh Biennial Meeting of the ESEH that will be hosted by the RCC in Munich in August 2013.

The Institute for Advanced Study in the Humanities / Kulturwissenschaftliches Institut (KWI) in the city of Essen represents a unique partner for the Center, as the two institutions are jointly operating a project funded by the German Federal Ministry of Research and Education which is entitled “Climates of Migration.” The project is truly cooperative, as researchers from the project are stationed in both Essen and Munich. Directed by Uwe Lübken (RCC) and Franz Mauelshagen (KWI Essen), the project is composed of seven doctoral and post-doctoral research projects, all of which focus on climate-induced movements of people from historical, cultural, and legal perspectives. In August, the two project directors organized a provocative and interdisciplinary conference, “Environmental Change and Migration in Historical Perspective,” which brought climate researchers from all over the world to Munich.

The Canadian Embassy partnered with the RCC on a variety of programs in 2011. The Embassy helped support the visiting professorship of Canadian environmental historian, Alan MacEachern. MacEachern gave both a course and a talk at the Lunchtime Colloquium on his research project, “Why is Canada so Big? Nature and Size in the Canadian Imagination.” The Embassy also sponsored a special lecture event with two Canadian scholars from the University of British Columbia, Dianne Newell and Arthur Ray, who spoke on Frank Boas’s interaction with the salmon canneries and aboriginal harvesting rights in Canada, respectively. A further initiative between the Canadian Embassy and the RCC was the conference, “Salmon Voices: Indigenous Peoples and the Fish Farming Industry,” which brought members of the First Nations tribes from Western and Atlantic Canada to Munich.

Among the RCC’s important partners are also two cultural players, the Goethe-Institut (the Cultural Institute of the Federal Republic of Germany with headquarters

in Munich), and the Münchner Volkshochschule, Munich's adult education center. In October, RCC Director Christof Mauch launched a new program with both the Goethe Institut and KWI Essen that has brought young scholars from Colombia, Japan, and Germany to the Center. These researchers discussed their research on the intersection between consumption, the environment, and climate change factors around the globe in the Lunchtime Colloquium as well as in more informal discussions. The Goethe-Institut also maintains a comprehensive database on academic research centers in Germany on its webpage, "Deutschland Denkt" (German Think Tanks); it has listed the RCC in this directory.

The Münchner Volkshochschule has provided the Carson Center with an excellent venue, Munich's cultural center, Gasteig, for a monthly film series, "Green Visions." The RCC is co-organizing the series with a local non-profit organization, the Ökologisches Bildungszentrum München, and with a film agency, ECOMOVE International.

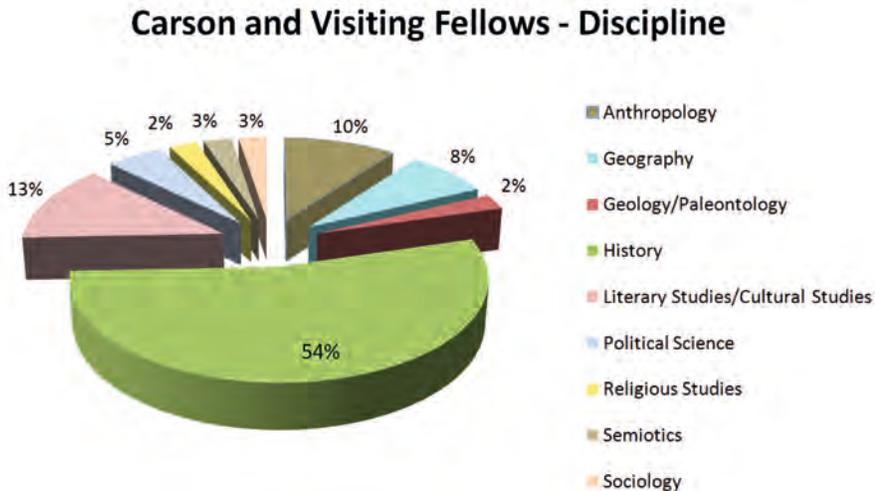
ECOMOVE is another important partner for the RCC, as the two organizations are currently collaborating on a project that catalogues environmental documentaries from around the globe. The RCC is acquiring these documentaries for its research library (which is run by Communications Manager Arielle Helmick), and it will also make them available (some in full length, others through short clips) via the Environment & Society Portal.

Finally, one of the initial partners of the RCC, the Bavarian State Library continues to be a key collaborator on a variety of projects at the Center. The Bavarian State Library has provided invaluable support and advice on the development of the Center's Portal. Serving as consultants on technical and content issues, they are also assisting in archiving and digitizing source material for the Portal. Furthermore, the Bavarian State Library is collaborating with the RCC and ECOMOVE on the environmental documentary film database. Finally, the Bavarian State Library has played an important role in preserving and distributing the *RCC Perspectives* series: the library has provided URNs for all issues (Uniform Resource Numbers); included them in their digital collection; and, made them available through their online catalogue for viewing. Through all these endeavors, the Bavarian State Library has proven to be a crucially important research partner for the RCC.

10 Carson Fellows

The main emphasis at the Rachel Carson Center is the research work of its international **Carson Fellows**, who are highly regarded, established researchers or promising young scholars working to complete academic publications which correspond to one of the six thematic clusters of the Center:

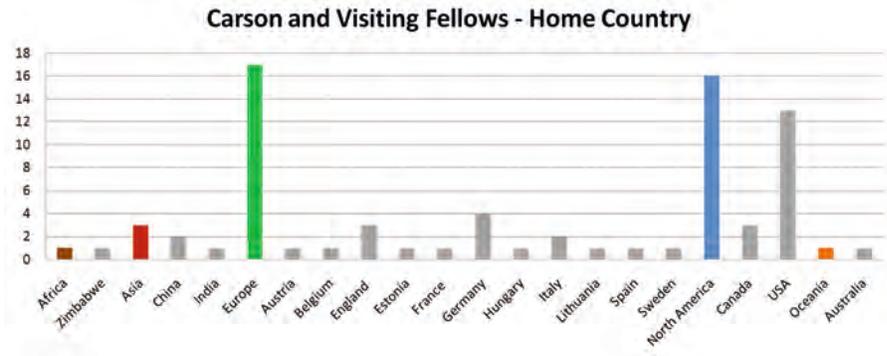
- Natural Disasters and Cultures of Risk
- Transformation of Landscapes
- Resource Use and Conservation
- Environmental Knowledge and Knowledge Societies
- Environmental Ethics, Politics, and Movements
- Ecological Imperialism



In order to attract excellent fellows from all over the world, the lengths of the fellowships are flexible. To achieve continuity, the fellowships are staggered, so that no more than half of the fellowships start or end at any one time. All Carson Fellows are

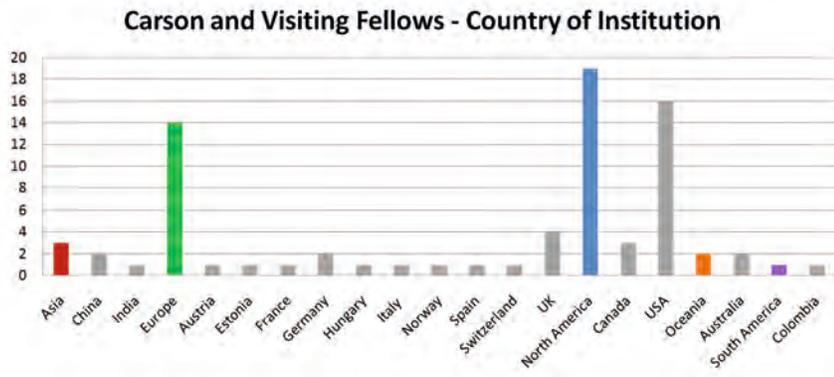
required to work actively on their research in Munich and are expected to contribute their substantial expertise to the work of the Center through the presentation of their projects in the Lunchtime Colloquium.

Many of the fellows also meet weekly in informal “Work-in-Progress” sessions to discuss each other’s work and debate various methodologies, theoretical issues, and challenges. Moreover, they use the unique setting of the Center, with its range of interdisciplinary and international researchers, to expand their own perspectives through reading and study groups; in 2011, these groups considered topics in environmental history and ecofeminism. Fellows are given the opportunity to share their work more widely and via a less exclusively academic channel through the medium of the Carson Fellows film portraits—documentary shorts which profile the fellows individually and introduce their RCC projects. Finally, fellows may organize conferences or workshops on topics related to their research. Carson Fellows were the driving force behind a multitude of events in 2011 including conferences and workshops on: neurohistory, mining, environmental history in the early modern period, biocultural diversity, ecocinema, ice and snow in the Cold War, complexity as a research framework, and environmental histories of the plantation.



Outside the offices of the RCC, the fellows had the chance to meet informally as the Center offered a variety of social activities. LMU Fellow Frank Uekoetter regularly conducted walking tours on the environmental history of Munich, and Director Helmuth Trischler

guided tours of the Deutsches Museum; the RCC also sponsored both a bike tour of Munich and a food tour of the famous city market, the Viktualienmarkt. The annual RCC excursion traveled to Mittenwald, a picturesque Alpine town where staff and fellows enjoyed a nature tour of the unique biosphere at the top of the Karwendel mountain, the second highest in Germany, as well as a demonstration of violin-making, one of the main



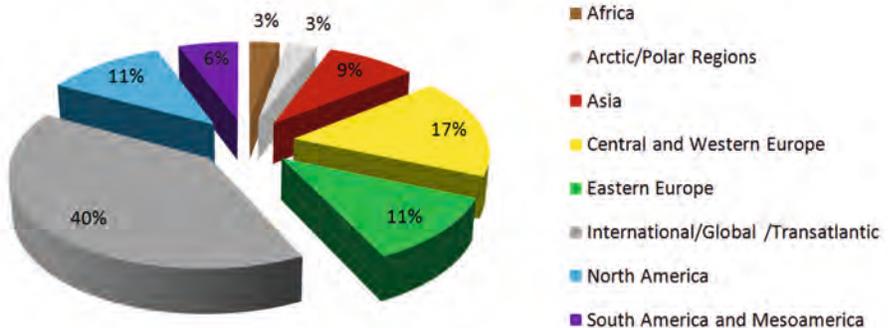
industries of the area. Of course, no year would be complete without the traditional visit to Oktoberfest, where fellows were introduced to a memorable part of Munich culture.

While in residence, the Carson Fellows were also active in taking their research beyond the walls of the RCC, as seen by the many presentations and talks that fellows gave during their fellowships. Donald Worster gave lectures in Berlin, Vienna, and Copenhagen; Anne Milne spoke at events in the United Kingdom and Estonia; Paul Josephson lectured in Sweden, Denmark, the United Kingdom, Russia, Hungary, the United States and Jamaica; and Ingo Heidbrink presented papers in Finland, the United Kingdom, and Russia. Carson Fellow Reinhold Leinfelder published in diverse forums during his fellowship, including influential German government publications on sustainability politics; Leinfelder's RCC project on the Anthropocene was also featured in major German newspapers. Finally, upon leaving the RCC, several fellows took up new positions or received promotions. Robert Gioielli has been named assistant

professor (tenure track) at the Cincinnati Blue Ash College in the United States, and Edmund Russell was promoted to full professor at the University of Virginia.

There exist two additional categories of fellows at the RCC—Visiting Fellows and LMU Fellows. Every year, the Center hosts a number of **Visiting Fellows**, that is, researchers from outside Germany who are invited to stay at the Center, some of them for a short period of time and others for up to a year. Visiting Fellows are not part of the Carson Fellows program, but their presence is intended to strengthen and diversify the program itself. Many of them receive external funding. Common sponsors are the Visiting Fellows' home institutions, the Deutscher Akademischer Austausch Dienst (DAAD), the Canadian Embassy, the Humboldt Foundation, and the Fulbright Commission. **LMU Fellows** are, for the most part, members of the LMU Munich (Ludwig-Maximilians-Universität) faculty who take an active part in RCC programs.

Carson and Visiting Fellows - Area of Research



In addition to the Visiting Fellows and LMU Fellows, the RCC sponsors a Carson Professorship each year. The Carson Professor serves to further anchor the research of the Center at LMU Munich as Carson Professors are members of the LMU faculty who research in the environmental humanities. They receive a sabbatical year from the Center

and work closely with staff and fellows in collaborating on events while also completing scholarly articles and manuscripts on their own environmental research topics.

The thematic foci, individual competences, and skills which the diverse group of fellows—Carson, Visiting, and LMU—bring to the RCC greatly enrich the scholarly exchanges possible at the Center. The reciprocal nature of the fellowships enhances both individual research endeavors and the field of environmental humanities as a whole.



Maohong Bao
Peking University, China

Transformations of Landscape in China

A pioneer in developing the discipline of environmental history in China, Maohong Bao is an associate professor of environmental history and Asia-Pacific studies at Peking University in China. Bao is also a senior research associate at the Centre for World Environmental History at the University of Sussex, England.

Maohong Bao's research at the RCC is part of a larger project which aims to historicize the transformation of East Asia with special emphasis on the globalization of resource extraction and consumption, as well as document the environmental consequences of this internationalization. His RCC Project focused on natural transformations in China, specifically the transformation of landscape which resulted from the Dazhai model and the countrywide "Learn from Dazhai in Agriculture" campaign in the 1960s and 1970s. He scrutinized the roles played by scientific thinking, authoritarianism, and the reinvention of Chinese traditional environmental ideas, among others, in his research.

While in residence at the RCC, Bao revised his book, *The Origin of Environmental History and Its Development*, which has now been submitted to Peking University Press, and wrote two articles on environmentalism in China and global environmental history. Finally, Bao worked on multiple translation projects of environmental history texts from English into Chinese.

Carson Fellowship July – December 2011

Stephen Bell

University of California at Los Angeles, United States

Leo Waibel and the Transformation of Land Use in Brazil



Stephen Bell's current research examines the historical geography of Brazil between 1850 and 1950. During his fellowship, Bell focused on the intellectual heritage of the German geographer Leo Waibel (1888-1951) and his field work for the federal government of Brazil during the years 1946-50 on land use and settlement issues.

Bell used his time at the RCC to work on two articles relating to Waibel's Brazilian career. The first reviews the steps that brought this German scholar from Bonn to conducting fieldwork in Brazil, and the second reassesses the results from his findings in the period 1946-50, partly in the light of subsequent Brazilian development patterns. Bell also gave a talk on Waibel at the Geographical Institute in Bonn, the institution his subject directed until 1937.

Carson Fellowship June – August 2011

Stephen Bell is a historical geographer whose work has mainly concerned the transformation of the Americas, especially Brazil, since 1800. Currently an associate professor of geography and history at UCLA, Bell is also an active contributor to the university's Latin American Institute.



Sigurd Bergmann

Norwegian University of Science and Technology

Sacred Geography: Religion in the Lived Space of Climatic Change

Sigurd Bergmann, professor for religious studies in the Department of Archaeology and Religious Studies, has conducted field work in the Sámi Arctic, Peruvian Andes, Aboriginal Australia, and Mayan Yucatan, among others. He has published more than 250 books and articles since 1985, including an extensive monograph on Sámi visual arts.

Sigurd Bergmann's RCC project critically considers methodologies of space and place in relation to religious understandings of climate change. Bergmann returns the vulnerability of people to the center of global climate change research. His work explores the implications of climate change in the frame of the environmental humanities while focusing on the study of religion as a microcosm of the human and cultural dimension of climate change. The role of religion in climatic change is hereby not analyzed as an isolated phenomenon but explored with regards to its intersection with the environment, climate impact science, environmental anthropology, and human geography.

Carson Fellowship December 2011 – February 2012

Fiona Cameron

Global Centre for Cultural Research, University of Western
Sydney, Australia

Governing a Complex Climate Change: Liquid Governmentalities
and the Climate Crisis



Reworking governmentality concepts, Fiona Cameron's RCC Project examines climate change governance with regards to the agency (current and potential) of cultural institutions (i.e. museums and science centers) which operate within governance processes; it draws on empirical research on energy and climate justice in Australia and surrounding islands. Subsequent to developing her RCC project into a monograph, Cameron also worked on an edited collection, *Climate Change, Museum Futures*, which is under consideration with Routledge—Taylor and Francis.

Fiona Cameron researches the intersections between museums, public culture, digital technologies, and institutional roles in contemporary societies on hot topics of societal importance. Cameron has been a recipient and lead chief investigator of seven Australian Research Council grants.

Carson Fellowship August 2011 – March 2012



Marianna Dudley

Bristol University, United Kingdom

Environmental Movement: Towards Walking as A Methodology

Marianna Dudley recently completed her doctorate at Bristol University where she worked on the Arts and Humanities Research Council (AHRC) funded "Militarized Landscapes in the Twentieth Century: Britain, France and the USA." Her dissertation explored the seemingly paradoxical role of the military as conservationist at five key training sites in Southwest England and Wales.

Marianna Dudley's RCC Project explores the possibilities of movement in landscape research for environmental historians. Based on personal experiences of walking as part of her research in militarized landscapes in England, she analyzes the ways in which walking can open up new research routes in familiar places, as it tests, challenges, and affirms boundaries, and presents multiple journeys through space and history to the environmental (and other) historian. Her project considers ideas for a methodology of walking that goes beyond fieldwork to consider the implications and research benefits of moving through a historic landscape.

Carson Fellowship October 2011 – March 2012

Marc Elie

Centre d'études des mondes russe, caucasien et centre-européen (CNRS-EHESS), Paris, France

Great Steppe, Disastrous Steppe: Scientists and Natural Calamities in Twentieth-Century Russia



How did Russian and Soviet scientists endeavor to mitigate, control, and predict the occurrence of natural disasters in times of a massive, state-driven technological, agricultural, and industrial transformation of ecosystems? Marc Elie's RCC Project sought to answer this question by looking at the production of knowledge about disasters, disaster mitigation, and cultural images of nature and disaster in the agricultural development of the Eurasian Steppe, an eco-region of 5,000 square kilometers.

Marc Elie is a historian focusing on disasters in the Soviet Union. After spending six years in Moscow doing research and then as a deputy director of the French-Russian Center for the Social Sciences and Humanities, he moved to Paris to become a researcher with the Centre d'études des mondes russe, caucasien et centre-européen (CNRS-EHESS).

Carson Fellowship January – March 2011

**Robert Gioielli**

University of Cincinnati Blue Ash College, United States

Hard Asphalt and Heavy Metals: An Environmental History of the Urban Crisis

Robert Gioielli is a historian of modern America with a specific interest in how the perception and experience of the environment has shaped social movements, politics, and policy.

While at the Carson Center, Robert Gioielli explored how the experience of living in decaying urban environments was the catalyst for a significant amount of activism in American cities, and how this activism was an important connection between environmentalism and other post-war social movements. The results of this research will be published as a monograph in 2012 by Temple University Press.

Upon completing his fellowship, Gioielli became an assistant professor in the history department at the University of Cincinnati Blue Ash College in the United States.

Carson Fellowship September 2010 – June 2011

Wilko Graf von Hardenberg

University of Trento, Italy

The Alps as a Contested Environment: Germany, Austria, and Italy,
1860-1960



In his RCC Project, Wilko Graf von Hardenberg conducted a comparative analysis of the symbolic role of the Alps and of the use and conservation of alpine resources in Germany, Austria, and Italy. He examined the cultural debate surrounding the alpine environment, the history of nature conservation in the Alps, and historical trends of animal population stocks in the alpine region.

While a Carson Fellow, Graf von Hardenberg presented his research in Italy and co-organized the second “Nature and Nation” workshop in Bucharest, Romania. He also published three articles based on his RCC research in journals, such as *Aether-The Journal of Media Geography* and *900-Per una storia del tempo presente*. Graf von Hardenberg became a member of the RCC-ESEH working group for the “Arcadia” project where he continues to serve. Finally, upon completion of his fellowship, Graf von Hardenberg joined the RCC as a digital humanities research specialist.

Carson Fellowship November 2010 – February 2011

Wilko Graf von Hardenberg is an environmental historian focusing on socio-political aspects of nature perception and management in modern Europe. He holds a Laurea in history from the University of Torino, Italy and a PhD in geography from the University of Cambridge, England.



Ingo Heidbrink

Old Dominion University, United States

Icebergs and Ice-Stones: Industrial Development in Greenland in the Nineteenth and Twentieth Centuries—Risk Acceptance in an Arctic Environment

A maritime historian, Ingo Heidbrink is a professor of history at Old Dominion University, Secretary General of the International Commission for Maritime History, and Co-President of the North Atlantic Fisheries History Association.

At the RCC, Ingo Heidbrink worked on the history of risk acceptance in the context of industrial development in Arctic/Greenlandic environments. His project aimed not only to provide a historical overview of the industrial activities of US companies in Greenland and the relevance of US activities (industrial and military) for the development of today's Greenlandic society, but also to offer an analysis of risk acceptance in traditional Inuit society; his research offers a possible key to understanding current debates about large industrial developments in Greenland.

During his Carson Fellowship, Heidbrink actively published and presented his research. He gave presentations in diverse locations, such as Uusikaupunki, Finland, Bremen, Germany, Yakutsk, Russia, and Hull, England. His papers formed part of two RCC workshops: "Exploring Ice and Snow in the Cold War" in January and "Final Frontiers: Exploring Oceans, Islands, and Coastal Environments" in October. In addition, he had articles published in *Studia Atlantica* and *International Journal of Maritime History*, as well as having a manuscript accepted for publication by Reaktion Books.

Carson Fellowship January – March 2011 and September – December 2011

Elizabeth Jones

Colorado State University, United States

The Settlement Imagination: German Internal Colonization and Empire, 1850-1930



In her RCC Project, Jones explored state policymakers' efforts to re-imagine and resettle the German countryside in the age of industrialization and overseas expansion. She focused on the environmental challenges posed by the cultivation of high moors and the prominence of agricultural science in the design and daily affairs of new moor settlements in East Friesland, Bavaria, and East Prussia. Studying the role of selected settlement projects, Jones underscored how they reflected a combination of new expert knowledge, the concerns, aspirations, and hard work of settlers, and the environmental and physical complexities of specific sites. Moreover, this project linked the concerted push to expand moor reclamation in the Weimar era to post-war ideas about the protection and preservation of Germany's moor landscapes.

She presented her research at the LMU Munich history department and also at the Technical University of Munich (TUM) in May 2011.

Carson Fellowship September 2010 – June 2011

An associate professor of history at Colorado State University, Elizabeth Jones teaches courses in modern German history, European economic and social history, and world history. She earned a doctorate in modern German history from the University of Minnesota.



Paul Josephson

Colby College, Maine, United States

Environmental History of Soviet Arctic Conquest

Paul Josephson, a specialist in the history of the twentieth century and technology, is a professor of Soviet and Russian history. With colleagues at the Central European University in Budapest, Josephson is working on an environmental history of the USSR.

While at the RCC, Paul Josephson published an article on his research in *Russian Review*. He also gave a writing workshop for RCC members and affiliates entitled, “A Page a Day Keeps the Deadline at Bay: How to Write a Dissertation...or a Book. Foolproof Ways to Tame the Beast of Composition.” During his fellowship, Josephson also lectured throughout the world, giving presentations in Sweden, Russia, and Jamaica, among others. Finally, Josephson an avid runner, participated in seven marathons during his fellowship, including the Venice Marathon where he ran in RCC colors.

Carson Fellowship September – December 2011

Emilian Kavalski

University of Western Sydney, Australia

Natural Disasters and Security Governance: Shifting from a Strategic Culture of Risk Elimination to a Strategic Culture of Risk Adaptation



Emilian Kavalski's RCC Project examined the relationship between socio-political systems and natural disasters. Kavalski contended that natural disasters confront society with the vacuity of the current modes of security governance, indicating that human societies lack the capacity for flexible adaptation to natural disaster occurrences. Kavalski argued that international relations have the capacity to develop not only more nuanced, but also more relevant, understandings of the notions and practices of security governance in the context of an increased vulnerability to complex risks.

During his Carson Fellowship, Kavalski convened a workshop on complexity theory entitled "Is Complexity the New Framework for the Study of Global Life?"

Carson Fellowship September 2010 – February 2011

Emilian Kavalski is a lecturer in politics and international relations at the University of Western Sydney, Australia. He has held research fellowships in Denmark, Germany, Canada, and India.



Melinda Laituri

Colorado State University, United States

Integrated Environmental History of Watersheds

Currently based in the Department of Forest, Rangeland, and Watershed Stewardship at Colorado State University, Melinda Laituri works with Native American tribes on water resource management strategies. Laituri also conducts research on the role of the internet and geospatial technologies on disaster management and cross-cultural environmental histories of river basin management.

Melinda Laituri's RCC Project focused on the relationship between ecosystem services and human needs within a historical, comparative context of two international watersheds to understand the hydro-social cycle relative to climate change. Comparing two international watersheds—the Danube River basin and the Colorado River basin—Laituri posited that a historical examination of the geography of water allows science and nature to better understand the legacy landscapes that humans and nature have shaped.

Carson Fellowship February 2011 – May 2011

Timothy LeCain

Montana State University, United States

Hybridity, Techno-Symmetry, and Bio-Indicators: A Comparative History of Landscape, Culture, and Technology in Japanese and American High Modernist Copper Mining



Timothy LeCain's RCC Project is the culmination of a three-year, National Science Foundation-funded collaborative research effort with Professor Brett L. Walker—a comparative international research project into the environmental history of large-scale copper mining and smelting which examines the Ashio site in Japan and the Anaconda site in the US. In a sense, this project is a sort of controlled historical experiment that permits close comparison of two very similar technological complexes, in order to highlight and explain the culturally and socially determined constructions of—and reactions to—engineered landscapes, industrial technology, and their environmental and social consequences.

Carson Fellowship September 2011 – July 2012

Timothy LeCain's research and publications focus on the environmental and technological history of twentieth-century mining and related topics. His 2009 book, *Mass Destruction: The Men and Giant Mines that Wired America and Scarred the Planet* (Rutgers University Press, 2009), won the 2010 George Perkins Marsh Prize, conferred by the American Society for Environmental History for the best book in environmental history published each year.



Reinhold Leinfelder

Humboldt-Universität zu Berlin, Germany

Technology, Nature and Culture in the Anthropocene: Learning from the Future

Reinhold Leinfelder is presently based in Berlin (Humboldt University), where he teaches and researches historical geology, sedimentary geology, invertebrate palaeontology, exobiology, and science communication with two special foci: one on the evolution, ecology, threats, and protection of coral reefs and oceans, the other on science communication and the interaction of culture and nature. Leinfelder is a corresponding member of the Bavarian Academy of Science and a member of the German Advisory Council on Global Change (WBGU).

Reinhold Leinfelder's RCC Project focused on the concept of the Anthropocene, which combines natural, social, and cultural sciences, with the humanities to study the present state and future development of the Earth. As this new conception assigns humanity the ultimate responsibility for defining how our future world should look without crossing the planetary boundaries of Earth, the Anthropocene provides a good approach for combining protective measures with mitigation and adaptation strategies to address global and regional change. Leinfelder's project aimed to develop the outlines of a science-based participation and exhibition concept to help promote and support a knowledge-driven transformation towards a sustainable Anthropocene society.

While in residence at the RCC, Leinfelder published many articles and reports on his research, including short pieces in major German newspapers, as well as the flagship report, *World in Transition: A Social Contract for Sustainability*, from the German Advisory Council on Global Change. He also presented his research at talks in Berlin, Munich, Hamburg, Kiel, and Vienna. In addition, Reinhold Leinfelder is developing a large exhibition on the Anthropocene which will result in a RCC-Deutsches Museum exhibition, planned for 2014.

Carson Fellowship June – October 2011

Gary Martin

Global Diversity Foundation / University of Kent, United Kingdom

Adaptation of Local Knowledge Societies and Systems to Global Change



While at the RCC, Gary Martin studied the adaptation of local knowledge societies and systems to global change, drawing on case studies that he has developed through the GDF over the last decade. He argued that indigenous peoples and local communities are on the front line of the struggle against ecological imperialism and environmental injustice, and that they constitute a decentralized, democratic, and dynamic knowledge society which is optimally located to adapt to local changes.

During his Carson Fellowship, Martin directed the Global Environments Summer Academy, which took place as part of the Munich International Summer University for the first time in August 2011. Martin also co-convoked the workshop “Why Do We Value Diversity?” with Carson Fellows Diana Mincyte and Ursula Münster.

Carson Fellowship March – April 2011 and August – September 2011

Gary Martin is an ethnologist who focuses on the inextricable links between biological and cultural diversity and the role of communities in maintaining socio-ecological resilience. In 2000, he founded the Global Diversity Foundation (GDF) which helps indigenous peoples and local communities maintain their agricultural, biological, and cultural heritage through long-term projects encompassing research, training, and social action. He is also a research fellow at the School of Anthropology and Conservation at the University of Kent in Canterbury.



Clapperton Mavhunga

Massachusetts Institute of Technology, United States

Incoming Technology and African Innovation

Clapperton Mavhunga is an assistant professor of science, technology, and society at the Massachusetts Institute of Technology (MIT). He is a historian of science, technology, and society in Africa. With Alumni Fellow Gijs Mom, he is co-editing *Inside Mobility: A Kaleidoscopic Introduction* (MIT Press).

During his period of residency at RCC, Clapperton Mavhunga revised chapters developed out of his doctoral thesis, *The Mobile Workshop: Mobility, Technology, and Human-Animal Interaction in Gonarezhou (National Park), 1850-Present*, and he conceptualized and expanded them into two monographs. One book (for MIT Press) entitled *Incoming Technology and African Innovation: Guns as State-Crafting Tools in Zimbabwe since 1500* will focus on African use of guns to engineer nation-states. The second project (still searching for a publisher) is entitled *Guns as Environmental Engineering Tools: The Role of African Hunters and Indigenous Knowledge of Wildlife in Zimbabwe*. It is an ethnography of the hunt, as told through the narratives of and written archives on *magocha* (men who barbeque), the name given to hunters in the colonial state in Rhodesia employed to slaughter wildlife in order to clear the country of tsetse fly and problem animals.

Carson Fellowship July – December 2011

John McNeill

Georgetown University, United States

A Global Environmental History of the Industrial Revolution, 1780-1914



At the RCC, John McNeill began work on his next book—an environmental history of the period of industrialization, 1780-1914. McNeill researched six to eight global phenomena which developed as a result of industrialization and which also had profound environmental consequences, including palm oil in West Africa, cotton in the US South and in India, copper in Chile, gutta percha in the Dutch East Indies, wool in New Zealand and Australia, tin in Malaysia, and rubber in Brazil. McNeill plans to highlight the linkages connecting ecosystems on the peripheries of the world economy and consumers—as well as factories—in the industrial core regions.

While at the RCC, McNeill co-convoked a conference, “History Underground: Environmental Perspectives on Mining,” with LMU Fellow Frank Uekoetter.

Carson Fellowship June 2011 – August 2011

John McNeill’s research interests lie in the environmental history of the Mediterranean world, the tropical Atlantic world, and the Pacific islands. McNeill has won several awards for his work, including the World History Association book prize, the Forest History Society book prize, and the Beveridge Prize. In 2010, he was awarded the Toynbee Prize for “academic and public contributions to humanity.” In 2011, he was elected president of the American Society for Environmental History.



Anne Milne

University of Guelph, Canada

Enclosures: Liquid Landscapes, Canonicity, and the British
Eighteenth-Century Laboring-Class Poet

Anne Milne is an ecocritic who specializes in restoration and eighteenth-century British literature. Milne is currently an assistant professor in the Bachelor of Arts and Sciences Program at the University of Guelph, Canada.

Anne Milne's RCC Project highlighted bioregionalism and local culture in eighteenth-century Britain, as reflected in the literary and cultural landscape of the rural laboring classes. Milne hopes to reveal a new cultural and environmental history of "contested grounds" in and on local British soil, a history which Milne maintains has been largely overshadowed by the more dominant scholarly focus on global Britain and the formation of a national literary canon. The overall goal was to synthesize a body of work that has not been largely examined in order to assert the relationships between environmental history, agrarian studies, animal studies, and literary and cultural studies, as well as suggest that this historical perspective has much to offer current debates surrounding land use, local-cultures, and environmental sustainability.

During her Carson Fellowship, Anne Milne, with Eleanor Hayman, led the eco-feminist reading group at the Center. She contributed to the Environment & Society Portal with a project (in an early development phase) entitled, "Things You Can Do with a Poem about Birds." Milne also travelled throughout Europe during her fellowship, presenting her research at conferences in Graz, Austria, Tartu, Estonia, and Loughborough, England.

Carson Fellowship January 2011 – July 2011

Diana Mincyte

New York University, United States

The Pasteurization of Lithuania: The Politics of Subsistence and Sustainability in Post-Industrial Europe



Diana Mincyte's RCC Project investigated raw-milk politics in the European Union (EU) and post-socialist Eastern Europe. A case study involving informal networks of milk distribution in Lithuania, her work explored how the informal dairy economy operates in contexts that favor industrial agriculture and the globalization of agro-food systems. Her research revealed fundamental contradictions within dominant definitions of sustainability, thus contributing to debates on land use, environmental justice, and global labor issues.

During her fellowship, Mincyte co-convoked the RCC workshop entitled "Why Do We Value Diversity?" She organized the *RCC Perspectives* issue, "Revisiting Risk Society: A Conversation with Ulrich Beck." While at the RCC, she worked extensively with Ulrike Plath on a special edition of *The Journal of Baltic Studies*, which examines food and the environment. She had several articles accepted for publication, including one in *Anthropology of East European Review* and one in *Agriculture and Human Values*. She also presented her research at conferences in London, Muhi, Estonia, and Barcelona.

Before coming to RCC, Diana Mincyte was a visiting assistant professor at the University of Illinois at Urbana-Champaign and a fellow in the Program in Agrarian Studies at Yale University. As an environmental sociologist, Mincyte explores topics on the interface of poverty, consumption, agro-food systems, and biopolitics, particularly in the contexts of post-socialist Eastern Europe. In August 2011, Mincyte joined the Center for European and Mediterranean Studies at New York University.

Carson Fellowship June – July 2011



Daniel J. Philippon

University of Minnesota, Twin Cities, United States

Ideal Meals: Ecology, Morality, and Pleasure in the Sustainable Food Movement

Daniel J. Philippon is currently an associate professor of English, teaching courses in the environmental humanities, literary nonfiction writing, and sustainability studies. He served as the president of the Association for the Study of Literature and Environment (ASLE) in 2009. After his time at the RCC, he will be a Fulbright Scholar at the University of Turin and the University of Gastronomic Sciences in Italy.

Daniel J. Philippon's RCC Project examines how the discourses of ecological science, human and animal welfare, and gastronomic pleasure are manifest in the sustainable food movement, how those discourses overlap and compete with one another, and how their US variants affect and have been affected by similar concerns in other countries. His main focus is on the tradition of popular writing practiced by Rachel Carson—personal nonfiction that engages scientific and ethical issues with the intent to move an audience—but he is also concerned with how sustainable food discourse appears in other cultural forms, such as films, images, and web sites.

While at the Center, Philippon completed two articles on sustainability and the humanities as well as American nature writing which will be published in *American Literary History* (Spring 2012) and *The Oxford Handbook of Ecocriticism*, respectively.

Carson Fellowship September 2011 – February 2012

Istvan Praet

Roehampton University, United Kingdom

Animism and the Perception of the Environment



During his time at the RCC, Istvan Praet completed a project on indigenous perceptions of the environment. Among other things, he studied “cultural” perspectives on “natural” catastrophes in societies where the distinction between culture and nature is meaningless. His research combined first-hand anthropological fieldwork with a comparative ethnography of scientific and animistic viewpoints.

Carson Fellowship July – December 2011

Originally from Belgium, Istvan Praet obtained a doctorate in social anthropology at Oxford University and is now a lecturer in anthropology at Roehampton University in London. His principal areas of expertise are Latin America (Ecuador), Amerindian forms of animism, and anthropology’s relationship with the life sciences. He has conducted (and continues to conduct) ethnographic fieldwork among the Chachi, the Amerindian inhabitants of Esmeraldas, a lowland region on the Pacific coast.



Lajos RÁCZ

Szeged University, Budapest, Hungary

The Transformation of the Landscape in Hungary from the Age of the Turkish Wars until the Age of Modernization: Sixteenth to Nineteenth Centuries

Lajos RÁCZ is a historian of Hungary with an interest in the reconstruction of climatic and environmental changes since the late Middle Ages. In his research, he has also focused on modern subsistence systems.

Lajos RÁCZ's RCC Project investigated the development of land usage in the Carpathian Basin in the age of the Turkish wars, focusing on the wars' impact on land policies and the environment. Incorporating the simultaneously occurring Little Ice Age, he studied the development of farming, maintenance, and fortification techniques, as well as the effect of reconstruction and extensive population growth on land use. Furthermore, RÁCZ analyzed the period of modernization in the nineteenth century, examining changes in farming and water management and their impact on land management.

During his Carson Fellowship, RÁCZ completed several articles which were published in edited collections on environmental changes in the Hungarian Plain. He also completed an environmental history of Hungary which is currently being translated into English.

Carson Fellowship June 2010 – June 2011

Edmund P. Russell

University of Virginia, United States

Neurohistory



Edmund P. Russell's RCC Project on neurohistory tested the hypothesis that neuroscience can help researchers understand the relationship between people and environments. The brain lies at the center of this relationship because it processes sensory information about the environment and it guides responses to this information: brain imaging has the potential to illuminate the cognitive, emotional, and physiological bases for human ideas and actions in a way previously unattainable. It can also show the impact of the environment on brain anatomy.

While at the RCC, Russell had an article published in *Technology and Culture*. Together with the Munich Center for Neurosciences, he also organized the world's first workshop on neurohistory, and he presented his research at the European Brain and Behavior Society Meeting in Seville in summer 2011.

Carson Fellowship October 2010 – June 2011

Edmund Russell's research focuses on environmental history and the history of technology. His work has won prizes from the American Society for Environmental History, the Society for the History of Technology, and the Forum for the History of Science in America. Upon the completion of his fellowship, Russell was promoted to the position of full professor at the University of Virginia.



Martin Schmid

Alpen-Adria University, Vienna, Austria

An Environmental History of the Danube

Martin Schmid, an assistant professor for environmental history and interdisciplinary communications, also serves as the director of the Center for Environmental History (ZUG) at the Institute of Social Ecology in Vienna. Schmid is fascinated with environmental history as an interdisciplinary field, crossing the “great divide” between humanities and natural sciences.

For his RCC Project, Martin Schmid examined the Danube River and argued that riverscapes are socio-natural sites in that they result from the long-term co-evolution of human practices with biophysical arrangements; riverscapes emphasize legacies in river history. The Danube, as the second longest river in Europe with the most international river basin in the world, is the only major European river that runs eastwards, making it particularly significant in terms of its recent Cold War history. Schmid provided a long-term perspective on the Danube, emphasizing the legacies of human uses from a more distant past.

During his fellowship, Schmid gave a paper at the RCC workshop on an environmental history of the early modern period. He is also currently organizing a RCC workshop on the Danube River to be held in 2013.

Carson Fellowship March – August 2011

Hou Shen

Renmin University, Beijing, China

Old Land, New Nature: The Journey of the Ideas and Practices of Nature Conservation from the United States to Modern China



Hou Shen's RCC Project scrutinized the difference between the American and Chinese ideas and practices of "nature conservation" and how these ideas have been translated, received, practiced, and changed to adapt to the Chinese cultural and natural landscape since the late nineteenth century. A key part of the project examined the introduction, translation, and acceptance of American nature conservation writers and their works over the last sixty years in China, specifically utilizing Thoreau's *Walden*, Leopold's *A Sand County Almanac*, and Carson's *Silent Spring* as case studies.

With Lawrence Culver, Hou Shen serves as the president of the RCC Alumni Association.

Carson Fellowship February 2011 – July 2011

Currently an assistant professor of history at Renmin University, Beijing, China, Hou Shen received her PhD in American history from the University of Kansas in May 2008. She was then a postdoctoral fellow at Tsinghua University in Beijing until August 2010.



Alexa Weik von Mossner

University of Fribourg, Switzerland

Imagining Ecological Futures: Science, Risk, and Citizenship in Narratives of Global Environmental Change

Alexa Weik von Mossner is a literary and cultural studies scholar with an interest in the relationship between cultural texts and the environment. Her home institution is the University of Fribourg, Switzerland. She worked for several years in the German film and television industry as a production manager and later scriptwriter before earning her PhD in literature at the University of California, San Diego in 2008.

While at the RCC, Alexa Weik von Mossner's RCC Project was concerned with the imagination of global environmental risks in American popular culture texts. The resulting book project will investigate how science fiction novels, young adult literature, popular film, television, and digital media texts rely on the staging of risk and the narrative conventions of utopia and dystopia, in order to engage audiences emotionally and cognitively in stories about their possible ecological futures.

During her fellowship, Weik von Mossner gave talks and conference papers in Germany, France, England, Spain, Italy, Switzerland, and the United States. She initiated and co-organized several projects and events at the RCC related to environmental film, among them the Center's Environmental Film Portal, a public film screening of Michael Nash's documentary film *Climate Refugees* at the Gasteig, and an RCC Workshop, "Moving Environments: Affect, Emotion, and Ecocinema," which will result in an edited volume.

In July 2011, Weik von Mossner joined the Center as an Associate. She is curating the film series, "Green Visions," a cooperative project between the RCC, ECOMOVE International, the Ökologische Bildungszentrum, and the Münchner Volkshochschule.

Carson Fellowship June 2010 – June 2011

Simon Werrett

University of Washington, United States

Remaking Natural Knowledge: Recycling and the History of Science and Technology

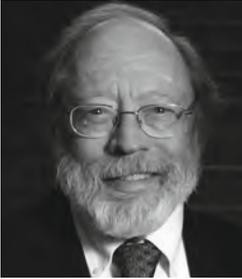


Simon Werrett's RCC Project, focusing on the seventeenth to nineteenth centuries, proposed that the sciences continued to rely fundamentally on the "old" in widespread practices of re-use and repair that marked science in the age of the Scientific Revolution and beyond. Aiming to set the history of recycling practices in science within a broader historical context, Werrett analyzed the ways in which techniques of re-use and repair have circulated between scientific and other sites, including the household and laboratory, the factory and the street. In addition to examining these local economies of techniques, the project sought to compare different international contexts for science and recycling.

During his stay at the Carson Center, Werrett gave a paper at the RCC Workshop, "Re/Cycling Histories: Users and the Paths to Sustainability in Everyday Life," and he also lectured at the Global Environments Summer Academy.

Carson Fellowship May – September 2011

Simon Werrett is an historian of science with an interest in the long-term, historical relationships between the arts and sciences, in particular the ways domestic, artisanal, and industrial skills, techniques, and performances have shaped the development of the sciences. Werrett is an associate professor of the history of science and technology at the University of Washington in Seattle.



Donald Worster

University of Kansas, United States

Facing Limits: Abundance, Scarcity, and the American Way of Life

Donald Worster has been active in environmental history since the early 1970s, both in the United States and other parts of the world and is currently the Hall Distinguished Professor of American History at the University of Kansas. Formerly the president of the American Society for Environmental History, Worster has served on a number of editorial boards, and, for more than two decades, has been founding editor for the *Environment and History* book series published by Cambridge University Press.

Donald Worster's RCC Project examined how Americans and their European ancestors dreamed of New World abundance and were changed culturally and politically by its plenitude of natural resources, all the while encountering places of real scarcity and searching for an ethos of restraint. The book resulting from this project, which is under contract with Oxford University Press, will consist of six chapters, ranging from the early modern period to recent debates over "the limits to growth." Worster argued that the sense of planetary abundance, first popularized by explorers of the New World and Adam Smith's *Wealth of Nations*, has led to the biggest problem that capitalism created—a faith in infinite riches based on a vision of superabundant nature but lacking a profound knowledge of that natural world and its intricately linked systems.

During his fellowship, Worster traveled throughout Europe presenting his research in Austria, Denmark, Germany, and Italy. He also served as a mentor for the ESEH doctoral summer school, "Water—Culture—Politics"; his keynote lecture was published as a *Perspectives* volume (2011/6).

Carson Fellowship February – July 2011

Visiting Fellows

Manuel Arias-Maldonado

University of Malaga, Spain

March – September 2011

Book Project: *Real Green: Sustainability after the End of Nature* (Ashgate, forthcoming)

Stefania Gallini

Universidad Nacional de Colombia, Bogotá, Columbia

June – July 2011

Doña Juana's Ancestors: A History of Waste in Bogotá, Columbia, 1880s-1950s

Jagdish Lal Dawar

Mizoram University, India

June – July 2011

Indigenous Knowledge Systems and Conservation of Natural Resources among the Hill Tribes of Northeast India: Arunachal Pradesh since the Nineteenth Century

Alan MacEachern

University of Western Ontario, Canada

July 2011

Why is Canada so Big? Nature and Size in the Canadian Imagination

Riin Magnus

University of Tartu, Estonia

August 2011 – January 2012

The Interspecific Perception of the Environment: The Case of Guide Animals and Humans

Susannah McCandless

Global Diversity Foundation / University of Vermont, United States

August 2011

Global Environments Summer Academy

Rajindra Puri

University of Kent, England

August 2011

Global Environments Summer Academy

Dorothee Schreiber

September 2011 – March 2012

Ethnobiology in British Columbia and Indigenous Ecological Understandings /
Scientific Forestry and Indigenous Reserve Land Management / Ethnography of the
Polar Bear Population Biology

Michael Schüring

University of California, Berkeley, United States

September 2011 – May 2012

West German Protestants and Nuclear Technology, 1970-1990

Octaviana Trujillo

Northern Arizona University, Flagstaff, United States

August 2011

Global Environments Summer Academy

LMU Fellows & Carson Professor

Martin Schulze Wessel

LMU Fellow (December 2010 – present)



Martin Schulze Wessel serves as one of two Deputy Directors of LMU's Zentrum "Transformationen des Wissens" (Center, Transformations of Knowledge). He is also the chairman of the Collegium Carolinum, a research organization for Bohemian history. Schulze Wessel is the director of various historians' commissions between Germany and the Czech Republic, Slovakia, and Poland. Furthermore, he is the director of several graduate programs, including the Elite Graduate Program in Eastern European Studies in Bavaria and an international research training group which focuses on religious cultures in Europe in the nineteenth and twentieth centuries. Finally, Schulze Wessel is the editor of *Bohemia, Jahrbücher für Geschichte Osteuropas* (Yearbook for Eastern European History), and *Geschichte und Gesellschaft* (History and Society).

In 2011, Schulze Wessel published several articles on religion and politics in edited collections, including one entitled *Comparing Empires: Encounters and Transfers in the Long Nineteenth Century* (Hirschhausen, Leonhard). He also co-edited several publications of the Collegium Carolinum which analyzed religion in Bohemia, as well as issues of historical memory.

Martin Schulze Wessel is a professor of Eastern European history at LMU Munich; he is currently in the final year of his LMU Excellent research professorship in which he has concentrated on his studies in the field of religion.



Frank Uekoetter

LMU Fellow (December 2010 – present)

An environmental historian, Frank Uekoetter studied history, political science, and social sciences at the universities of Freiburg and Bielefeld, the Johns Hopkins University in Baltimore, and Carnegie Mellon University in Pittsburgh.

During part of 2011, Frank Uekoetter received a Diltthey Fellowship from the Volkswagen Foundation that supported his work on a history of agricultural knowledge. In 2011, Uekoetter's monograph, *Die Wahrheit ist auf dem Feld: Eine Wissensgeschichte der deutschen Landwirtschaft* (A History of German Agriculture), the inaugural volume in the RCC Vandenhoeck and Ruprecht series, won the annual prize from the Deutsches Museum for the best book published in 2010.

In 2011, Uekoetter published his newest book, *Am Ende der Gewissheiten: Die ökologische Frage im 21. Jahrhundert* (The Ecological Question in the Twenty-First Century), with Campus Verlag. In addition, he had over twenty articles published in *History News Network*, the *Encyclopedia of American Environmental History* (Brosnan), and diverse German-language journals. Uekoetter also contributed two *RCC Perspectives* issues—one on monocultures and one on environmental movements. Uekoetter also lectured in England, the United States, Korea, Finland, and Japan. Finally, Uekoetter was chair of the scientific committee for the 2010 European Society for Environmental History Biennial Conference.

At the RCC, Uekoetter is involved in a variety of projects, including serving as a co-editor for both the Vandenhoeck & Ruprecht series, *Umwelt und Gesellschaft* (Environment and Society) and the *RCC*

Perspectives series. Uekoetter coordinates the “Environment and Memory” project which includes both an essay collection and an online presentation. Uekoetter also co-convened two workshops in 2011: “History Underground: Environmental Perspectives on Mining” with Carson Fellow John McNeill, and “Comparing Apples, Oranges, and Cotton: Environmental Histories of the Plantation” with Research Fellow Franziska Torma.



Markus Vogt

Carson Professor 2011

Markus Vogt is a leading expert in environmental ethics. He studied philosophy and Catholic theology in Munich, Jerusalem, and Lucerne, Switzerland.

Funding from the Carson Center in 2011 gave Markus Vogt the chance to be on leave for 12 months from his Chair in Christian Social Ethics at LMU Munich. Vogt's main areas of research revolve around issues of climate justice and the ethics of environmentalism. Following Fukushima, Vogt also began examining the consequences and implications of nuclear energy.

In the course of 2011, Markus Vogt actively represented the RCC with numerous publications and lectures. Vogt had over fifteen articles published in diverse journals and edited collections, such as *Sicherheit und Risiko* (Security and Risk) and *Kirche und Gesellschaft* (Church and Society). Vogt is the co-editor of several book series and journals, including the newly created book series, *Sozialwissenschaftliche Nachhaltigkeitsforschung* (Sustainability Research in the Social Sciences). Vogt gave talks or papers at over thirty conferences, workshops, and seminars; these included the Annual Conference on the Consortium for Christian Social Ethics, a conference on responsibility and energy supply in Ukraine, and the World Conference of Sich-Le-le on "Nature and Religion." Vogt is also active politically, as he spoke at the Ecological Consortium of the German Bishop Conference, at a demonstration in Munich against nuclear energy, and at a public session of the ethics commission on energy policy of the German government in Berlin. Finally, Vogt is a member of diverse academic boards, such as the

Selbach Foundation and the Federation for Sustainability in Baden-Württemberg.

Vogt was also intensely engaged with the RCC and planned a number of joint events with the Center. Together with representatives from twelve Munich-area colleges and universities, Vogt co-organized a lecture series on sustainability and gave its inaugural lecture. Throughout the year, Vogt lectured in many different locations in Germany on topics such as climate justice, the ethics of Chernobyl and Fukushima, risk awareness, and the future of sustainability. Vogt also founded the Institute for Environment and Religion at the National University in Uzhorod, Ukraine.



Gordon Winder

LMU Fellow (January 2011 – Present)

Gordon Winder is an economic geographer whose research is currently centered on manufacturing networks, geographical imaginaries and narratives used in the news, and relations between commodity markets and environments. Born in New Zealand, he earned his PhD at the University of Toronto, and worked at the University of Auckland before he joined LMU as an affiliated research fellow from 2008 to 2010.

In 2010, Gordon Winder was named an honorary research fellow at the University of Auckland's School of Environment, and in 2011, he was appointed a LMU Fellow at the RCC. Winder is a member of the editorial board of *The Journal of Historical Geography*, and his research interests span historical experiences of industrialization, urbanization, environmental transformation, and globalization. In April 2011, Winder was appointed full professor in the department of geography at LMU Munich, where he will have a special focus on sustainability science.

As a LMU Fellow, Winder participated in a variety of RCC activities, including the weekly Work-in-Progress sessions of the Carson Fellows. With Carson Fellow Emilian Kavalski, Winder co-convened a workshop entitled "Is Complexity the New Framework for the Study of Global Life?"

11 Staff

The RCC boasts a relatively small staff that nonetheless covers a wide range of competences and research interests. Staff duties fall into one of three broad categories: research, administration, and communications, though there is significant crossover between all of these areas.

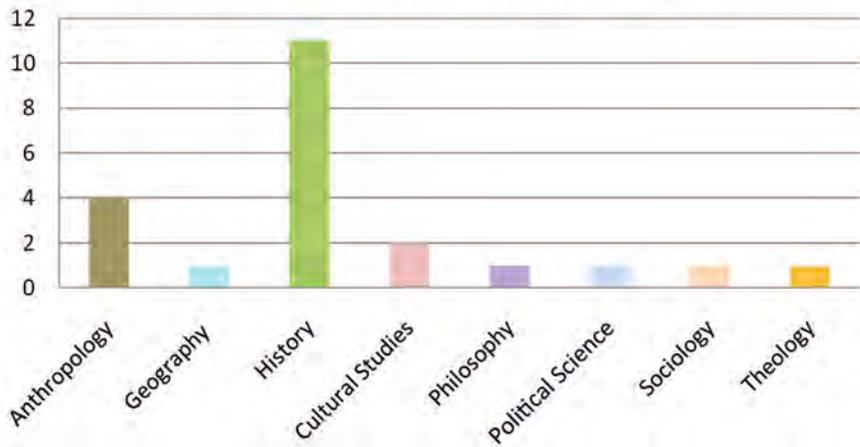
The directors, Christof Mauch and Helmuth Trischler, represent the two parent organizations of the Rachel Carson Center—LMU Munich (Ludwig-Maximilians-Universität) and the Deutsches Museum. Together, they oversee all the Center’s activities, from the fellowship program to the publication series, from the over twenty conferences, workshops, and seminars to the exhibitions, and from the research projects to the budget. The two project directors, Kimberly Coulter and Uwe Lübken, manage specific areas at the Center—the Environment & Society Portal and the externally funded “Climates of Migration” research project respectively.

One of the core goals of the RCC is to produce innovative research in the environmental humanities. In order to provide continuity to the diverse research projects of the Carson Fellows, the research staff contributes their own work to the research body of the RCC, as well as implementing the Center’s research initiatives. Research fellows spend half of their time on their own projects and devote the rest of their time to collaborating with the Carson Fellows and directors on various programs at the RCC, such as conference organization, work on the Portal, the documentary film project, and the development of a graduate program. They are assisted by research associates—doctoral students in the environmental humanities—who provide support with event planning, the Portal, and exhibition preparation. The Center also has a fine group of research assistants, bachelor and masters students, who run the library service for the Carson Fellows, assist with events, and help with the general administrative tasks of the Center.

Given the varied needs of the fellows and the complex status of the RCC, which is both part of LMU as well as being a supra-regional initiative, the expertise of its administration is key to its success. Managing Director Claudia Reusch and Office

Manager Andrea Cooke work with a small team to facilitate all aspects of life in Munich for the fellows; they also manage the day-to-day operations of the Center, including finance, human resources, and IT needs. In addition, the PhD Program Coordinator Elisabeth Zellmer organizes the “Environment and Society” PhD Program for over twenty doctoral students, many of whom also come from overseas.

Staff and LMU Fellows - Discipline



The communications staff at the RCC works in diverse arenas, such as publications, event management, and outreach. The working language at the RCC is English and a team of editors, led by the Managing Editor Katie Ritson, not only edit the RCC publication series—the Berghahn book series, *The Environment in History: International Perspectives*, and the *RCC Perspectives* series, but also offer in-house editing and translating (where applicable) to all staff and fellows. The communications team under the direction of Arielle Helmick maintains the website, produces the newsletter, and also organizes many of the events sponsored by the RCC.

The RCC is fortunate to have a large national and international network of associates—colleagues who collaborate with the RCC on numerous projects and therefore hold

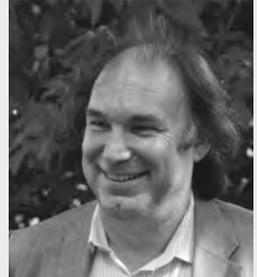
the honorary title of “RCC Associate.” The associates include affiliated faculty at LMU Munich, other scholars at local Bavarian and German universities, and international academics who work in environmental humanities and related fields. The associates have been active in participating in the Lunchtime Colloquium series, as well as in planning joint conferences and publications; they have also helped develop a worldwide network upon which the RCC draws when disseminating its research. Despite the small number, the RCC staff and its affiliates provide an essential backbone of support for the Center and have helped anchor the RCC securely, both in Munich and in a wider international network of academic institutions.



Directors

Christof Mauch

(August 2009 –)



Since its founding, Christof Mauch has been at the helm of the Rachel Carson Center: Mauch is in charge of the day-to-day academic business of the Center; he has established numerous RCC working relationships and programs with colleagues and institutions worldwide. With his co-director, Helmuth Trischler, he directs the fellowship program of the RCC. Christof Mauch is co-editor of all three of the RCC's publication series (*Umwelt und Gesellschaft*; *The Environment in History: International Perspectives*, and *RCC Perspectives*), and he has served as convener of the weekly Lunchtime Colloquium. Since 2010, Christof Mauch has been director (Sprecher) of the PhD program "Environment and Society" at LMU Munich.

In 2011, Mauch served as director of the ESEH Summer School in Venice, as the environmental history coordinator of Munich's International Summer University on "Global Environments," and as Chair of the Turku Book Award committee. Together with fellows and staff, he was involved in launching a number of new projects, such as the documentary film project of the RCC, an international climate studies program with the Goethe Institut and KWI Essen, the "Green Visions" film series, a collaborative lecture series with

A historian with an interest in international environmental history, as well as nineteenth- and twentieth-century North American and German history, Christof Mauch holds the Chair (currently on leave) in North American History and Transatlantic Relations at LMU Munich. Besides his obligations at the Carson Center, Mauch is a member of the Directorate of the Department of English and American Studies at LMU Munich, the Director of the Lasky Center for Transatlantic Studies at LMU, the head of a research focus at LMU's Center for Advanced Studies (CAS), and the Chair of a new Foundation for Transatlantic Culture and Politics at LMU.

twelve Munich-based colleges, universities, and research institutions, and Arcadia, a joint project of the ESEH and the RCC. Mauch is also the Chair of the Local Organizing Committee for the 2013 ESEH conference in Munich.

Mauch is a member of well over 20 national and international boards, including the National History Center in Washington, D.C, United States; the Transatlantic Network in the Environmental Humanities; the Foundation for European Rapprochement in Krzyżowa, Poland; the editorial advisory board of *Conservation and Society*; the Network of Science and Literature Studies at the National Academy of Sciences, Estonia; and the International Board, *Ekonomska i ekohistorija* at the University of Zagreb, Croatia. Until summer 2011, he was the Chair of the Board of Directors of the International Consortium of Environmental History Organizations (ICEHO). In 2011, he was elected to the newly created board of the Center for Environmental and Technological History of the European University, St. Petersburg, Russia, as well as to the Selection Committee of the Annette Maier Research Award (the most prestigious award of the Alexander von Humboldt Foundation). Also, in July 2011, Mauch was elected President of the European Society for Environmental History.

In 2011, Mauch edited two RCC publications in the field of environmental history: “Big Country, Big Issue: Canada’s Environment, Culture, and History” with Nadine Klopfer, and “The Future of Environmental History: Needs and Opportunities” with Kimberly Coulter. Together with Uwe Lübken, he edited a special issue of the journal, *Environment and History*, entitled *Uncertain Environments: Natural Hazards, Risk, and Insurance in Historical Perspective*. Besides several English-language publications, some of Mauch’s articles on environmental history have appeared in Chinese journals and papers, including *Guangming Daily*.

Christof Mauch presented his research, led panels, or moderated discussions at more than two dozen events and conferences in 2011. His presentations included a lead address at a conference organized by the Council for Sustainable Development in Potsdam, a campus lecture at the University of Alberta, Canada, and a keynote speech at the International Conference for the History of the Environment and Global Climate Change in Florianopolis, Brazil.

Helmuth Trischler

(August 2009 –)



Helmuth Trischler has been a director of the Rachel Carson Center since its inception; in addition, Trischler is also the head of research at the Deutsches Museum, Munich, and a professor of modern history and the history of technology at LMU Munich. In conjunction with his co-director, Christof Mauch, Trischler serves as a co-editor for all RCC publications and coordinates the Carson Fellowship program. He frequently serves as moderator of the Lunchtime Colloquium series of the RCC. He is also a member of the academic board for the PhD Program “Environment and Society.” At LMU Munich, he is the director, jointly with Kärin Nickelsen, of the Center “TransFormationen des Wissens.” In 2011, Trischler received a prestigious fellowship from the Netherlands Institute for Advanced Study (NIAS) and was a Fellow in Residence from February to June to work on the book project *Knowledge Societies and Expert Cultures in Europe Since 1850*.

In 2011, Trischler organized three major RCC conferences on diverse topics: “Defied—Damned—Depleted: Energy as Resource, Symbol, and Consumer Good” with Karin Zachmann (Technical University Munich); “Re/Cycling Histories: Users and the Paths to Sustainability in Everyday Life” with Ruth Oldenziel (Technical University Eindhoven) and Heike Weber (Technical University Berlin); and,

Helmuth Trischler’s main research interests are knowledge societies and innovation cultures in international comparison, science, technology and European integration, transport history, and environmental history. Trischler is the author of twenty-eight books and edited volumes, as well as approximately one hundred articles.

“Continuity in Energy Regimes,” organized in conjunction with the Peter Wall Institute for Advanced Studies at the University of British Columbia (Richard Unger) and the Institute for Advanced Study of the Technical University Munich. Currently he is organizing the Twenty-First Annual Meeting of the German Society for the History of Technology in May 2012 which will deal with the topic ‘disasters,’ and which is also a joint conference of the Carson Center and the Deutsches Museum; Trischler is also working on two further RCC conferences in July and October 2012.

Trischler published an edited volume with Cathryn Carson and Alexei Kojevnikov entitled *Weimar Culture and Quantum Mechanics: Selected Papers by Paul Forman and Contemporary Perspectives on the Forman Thesis*; the volume was released by Imperial College Press (London) in 2011.

In 2011, Helmuth Trischler was elected to the International Advisory Board of the Medical Museion at the University of Copenhagen. He serves on further advisory boards, including ones for the Landesmuseum für Technik und Arbeit in Mannheim, the Georg-Agricola-Gesellschaft, the Max Planck Institute for the History of Science, and the Austrian Federal Ministry for Science and Research. He is Vice-President of the Society for the History of Medicine, Natural Sciences, and Technology and a member of the history panel of the German Research Foundation. In addition, Trischler serves on the editorial board of diverse academic journals, including *NTM: Zeitschrift für Geschichte der Wissenschaften, Technik, und Medizin*, *Berichte zur Wissenschaftsgeschichte*, and the *Journal of Transport History*. Finally, Trischler is involved in a multitude of national and international research programs.

Project Directors

Kimberly Coulter

(November 2009 –)



Kimberly Coulter is Project Director for the RCC's Environment & Society Portal. For the last two years, she has managed the conception and development of the multifaceted online project, which aims to make digital multimedia and interpretive materials in environmental humanities freely and openly accessible to academic communities and the public. The team has developed three exploration tools and created diverse features, including illustrated vignettes of environmental events, a multimedia library, and online exhibitions. Following its beta launch on 25 November 2011, the Environment & Society Portal can be visited at www.environmentandsociety.org.

Besides providing leadership for the Portal, Coulter served as managing editor for *RCC Perspectives* and academic publications from the RCC's opening through June 2011.

In July, Coulter gave a paper, "Crossing Borders in a New Way with Digital Media," at the Biennial Meeting of the European Society for Environmental History in Turku, Finland. With Christof Mauch, she co-edited the *RCC Perspectives* issue, "The Future of Environmental History: Needs and Opportunities." Finally, Coulter had an article, "The Persistence of Territory: Marketing *The Miracle of Bern*," published in the academic journal *Geopolitics*.

Before joining the RCC in 2009, Kimberly Coulter was a DAAD research fellow in geography at the University of Bonn and earned a PhD in geography in 2007 from the University of Wisconsin–Madison, where she was also a lecturer.



Uwe Lübken
(August 2009 –)

Before joining the RCC in 2009, Uwe Lübken studied history and economics at the University of Cologne, receiving his PhD in 2002; Lübken completed his habilitation thesis on the history of flooding on the Ohio River in 2010.

Uwe Lübken serves as Project Director for the “Climates of Migration” project, a joint project between the RCC and the Institute for Advanced Study in the Humanities (Kulturwissenschaftliches Institut, KWI), Essen. With his co-director in Essen, Franz Mauelshagen, Lübken supervises seven doctoral research projects which all examine historical intersections between environmental change and migration and which are particularly interested in climate-induced movements of people in the past. In the framework of this project, Lübken co-convened a conference, “Environmental Change and Migration in Historical Perspective,” at the RCC in August 2011. In addition, he has organized several project meetings and workshops with scholars from Germany and abroad.

In addition to his responsibilities as project director, Lübken published several edited collections and articles. With RCC Director Christof Mauch, Lübken guest edited an issue on natural hazards, risk, and insurance of the journal *Environment and History*. Also, with Greg Bankoff and Jordan Sand, he published a collection entitled *Flammable Cities: Fire, Urban Environment, and Culture in History* with the University of Wisconsin-Madison Press. He contributed an article to the *RCC Perspectives* volume, “Revisiting Risk Society: A Conversation with Ulrich Beck,” as well as an article on the Ohio River to Stéphane Castonguay’s and Matthew Evenden’s edited volume, *Industrialized Rivers*.

In addition, Lübken co-convened the March 2011 conference, “Sickness, Hunger, War, and Religion”; he taught a graduate seminar on natural hazards in American History at LMU Munich; and he supervised six master’s theses and one PhD dissertation. Also, Lübken gave a paper on the contested history of floodplains at the Fachtagung Auenökologie (Symposium on Floodplain Ecology) in Jena, Germany. Lübken organized two panels—one on the Rhine as an environmental system for the Third Transnational Rhine Conference in Bochum and one on the transformation of urban green space at the Sixth Meeting of the European Society for Environmental History.

Research Fellows



Paul Erker

(November 2009 –)

Paul Erker studied modern history, receiving his Dr.phil. in 1987 and his Dr.phil.habil. in 2001 from LMU Munich. Since 2004, he has worked on several projects in the history of science and technology at the research department of the Deutsches Museum.

As a research fellow at the RCC, Paul Erker is primarily involved with the Environment & Society Portal and worked with the team to prepare the beta launch in November. Erker works mainly on content and the collection of source material; he has also developed a concept for a virtual exhibition on hazardous substances. Additionally, Erker received the title of “apl. Professor” in the LMU Munich department of history. As a member of the affiliated faculty, he teaches environmental and economic history.

In addition to his Portal responsibilities, Erker has continued his research into his RCC Project, “Asbestos: An International Study of Risk and Society.” Erker’s project examines the global development of asbestos with regard to its role as a catalyst in the transformation of environmental knowledge forms and bases; different triggers and environmental-political developments of the “asbestos crisis” internationally; the reactions of various organizations and institutions to dwindling resources and hazardous substances; and finally, diverse global perceptions of asbestos as an environmental problem. In the framework of his project, Erker gave several talks and lectures on his research, including one at the University of Konstanz.

Erker's other RCC activities include the preparation of an international conference on hazardous chemicals as part of the fiftieth anniversary year of Rachel Carson's *Silent Spring* in April 2012. In addition, Erker gave the keynote lecture at a conference on economic and environmental history held at the Centre for Contemporary History (ZZF Potsdam). Finally, Erker presented his research on business history at a workshop of the Gesellschaft für Unternehmensgeschichte (Society for Business History) in Frankfurt.



Julia Herzberg

(November 2009 –)

Before completing her doctorate in 2011, Julia Herzberg studied history, Russian, and German in Cologne, Volgograd, Moscow, and Bielefeld, receiving her Staatsexamen in 2005.

Julia Herzberg, a research fellow at the RCC, helped initiate the PhD Program “Environment and Society” and is currently working on a certificate program, “Environmental Studies” that will also be supervised by the RCC. In addition, Herzberg was a member of the search committee for Carson Fellows in 2011 and represents the RCC as a member of the steering committee “Agriculture between Idyll and Dystopia: Green Gene Technology as a Projection Screen for Visions of Nature” at the Center for Advanced Studies. In March, Herzberg successfully defended her dissertation “Gegenarchive: Bäuerliche Autobiografik zwischen Zarenreich und Sowjetunion, 1861-1937 (Counter-Archives: Peasant Autobiographies in Russia, 1861-1937)” at Bielefeld University and received a summa cum laude.

In conjunction with her RCC Project, “Frost: The Cold as a Cultural Challenge in Russia,” Herzberg organized a conference, “Exploring Ice and Snow in the Cold War,” in January 2011 with Carson Fellow Christian Kehrt and Research Fellow Franziska Torma; a second conference, “Frost, Ice, and Snow: Cold Climate in Russian History,” is currently being planned for February 2012 and will take place at the German Historical Institute in Moscow. Though cold and frost have always been central to Russian history, Herzberg’s project is one of the first systematic investigations into how people in Muscovite and Tsarist Russia and in the Soviet Union coped with

the hostile climatic conditions. Herzberg's research, based on case studies, will present a *longue durée* history while also examining practices and interpretations relating to cold at all levels of society, including peasants and workers.

In addition to teaching two seminars on environmental history during the Cold War and in Russia, Herzberg prepared several articles and volumes for publication in 2012, including a collection from the conference on ice and snow in the Cold War, as well as an edited collection on the environmental history of central Eastern Europe. Herzberg also presented her research throughout Europe, including talks at the German Historical Institute in Moscow, the Center for Advanced Studies in Munich, the University of Basel, and at Bielefeld University.



Dorothee Schreiber

(January 2011 – August 2011; Visiting Fellow, September 2011 –)

Dorothee Schreiber completed her PhD in Environmental Studies at University of British Columbia in 2004. Before taking her position at the RCC, Schreiber was an assistant professor in the School of Environmental Studies at the University of Victoria, Canada.

Dorothee Schreiber joined the Center in January 2011. Schreiber's research draws on ethnohistory, the anthropology of science, and First Nations Studies to investigate Indigenous-settler conflicts over the environment. She has published articles on Indigenous resistance to salmon farming in British Columbia, aboriginal-state conflicts over fishing in Canada, the politics of traditional knowledge, and the history of anthropology in British Columbia. Her current research projects focus on (1) early twentieth century ethnobiology in British Columbia and how it intersected with Indigenous ecological understandings about land, governance, and aboriginal rights (2) globalization, salmon aquaculture, and indigenous rights, and (3) an ethnography of polar bear biology that explores how wildlife biologists have targeted both polar bears and Inuit as problematic populations in need of managerial help.

At the RCC, Schreiber planned and executed an innovative conference, "Salmon Voices: Indigenous Peoples and the Fish Farming Industry," in partnership with the Centre for Sami Studies and the Norwegian Fisheries College, University of Tromsø, and the Fram Centre, Tromsø. The conference marked the first time indigenous people from Canada and Norway met to discuss their experiences with the salmon aquaculture industry. Schreiber coordinated a public documentary film series on US conservationists which also included discussions with the historians involved in

the making of these films. In July, she coordinated a seminar on Canadian Environmental History with guest speakers Dianne Newell and Arthur Ray from the University of British Columbia. Finally, in November, Schreiber taught an undergraduate course entitled “Indigenous Peoples and Environment in Canada” at LMU Munich.



Franziska Torma

(November 2009 –)

Franziska Torma's dissertation focused on German scientific expeditions that described and mapped Central Asia between 1890 and 1930. Her research interests include the history of science, the cultural and environmental history of the nineteenth and twentieth century, and postcolonial studies and approaches of the "spatial turn."

During 2011, Franziska Torma organized three conferences: "Exploring Ice and Snow in the Cold War" at the Deutsches Museum with Research Fellow Julia Herzberg and Carson Fellow Christian Kehrt; "Comparing Apples, Oranges, and Cotton: Environmental Histories of the Plantation" at the RCC with LMU Fellow Frank Uekoetter, and "Final Frontiers: Exploring Oceans, Islands, and Coastal Environments" at the Island Institute in Rockland, Maine, USA with John R. Gillis. Torma also coordinates the RCC documentary film project which is collecting environmental documentary films for viewing on the Environment & Society Portal. In addition, she served on the Turku Book Award committee.

Torma's RCC Project "Germany's Seven Seas: Marine Biology and Ecological Imperialism during the Long Twentieth Century (1871-1989)," aims to reframe German history in terms of its global historical connections. Torma plans to produce the first comprehensive study of the role that the oceans played in German history, with special focus on the history of marine biology. Informed by approaches of ecological and green imperialism, she argues that the oceans have been fundamental to the way modern notions of "the environment" and "globality" have developed, in particular with respect to a global strategy in environmental issues.

Torma also taught three courses at LMU Munich on maritime history, global agricultural history, and ecological imperialism. Torma published two articles in collected volumes and began preparations of a conference anthology from the RCC conference on ice and snow.



Affiliated Research Fellows

Stefanie Belharte

(September 2010 – August 2011)



Stefanie Belharte's RCC Project, "Forest in the Making: The Transformation of Forested Landscapes as the Interplay of Vegetation Dynamics and Human Management Practices," focuses on tropical land and resource use and its change over time, concentrating on data from her long-term ethnographic field research in Papua New Guinea. It also draws on ethnographic and archaeological material in the field of subsistence studies and in agroforestry.

Belharte presented her research at the "Environmental Change and Migration in Historical Perspective" conference in August. Furthermore, she participated in a poster session at an ArchaeoBioCenter colloquium and gave a paper at the Sawyer Series workshop, "Sensory Worlds: Environment, Values, and the Multi-Sensory" at the Institute for Advanced Studies in the Humanities in Edinburgh, Scotland. Finally, she published an article on the management of tree crops and vegeculture in Southeast Asia and the Pacific in an edited collection on foraging-farming transitions in Southeast Asia.

Stefanie Belharte specializes in human ecology, environmental anthropology, and ethnobiology. In 2011, she was a research fellow at the Institute of Social and Cultural Anthropology at LMU Munich and an affiliated research fellow at the RCC. She is an honorary associate at the School of Anthropology and Conservation at the University of Kent, England and is also a member of the ArchaeoBioCenter at LMU Munich. Her academic background spans the natural and human sciences, and she combines both perspectives in her work.



Ursula Münster

(December 2010 –)

Ursula Münster is a senior researcher at the Institute for Social and Cultural Anthropology at LMU Munich. Münster received her doctorate in social and cultural anthropology in 2006 from LMU Munich.

An affiliated research fellow at the RCC, Ursula Münster is currently working on her postdoctoral research project concerning the political ecology of forest conservation in Wayanad, Kerala, South India. Her work is an ethnographical account of the complex and contentious workings of environmental law and governance in the forests of Wayanad District in Kerala, South India. Münster empirically explores these conflict-ridden, local negotiations of recent environmental projects in the context of indigenous policies in India. She focuses on the interplay of cultural, social, political, economic, and ecological processes which are set in motion by historical and contemporary environmental conservation measures. Münster's project is funded by the German Research Foundation.

In 2011, Münster co-convened the workshop, "Why Do We Value Diversity? A Cross-Disciplinary Workshop on Biocultural Diversity in Global Context," with Carson Fellows Gary Martin and Diana Mincyte. She also organized a RCC-sponsored workshop, "Contested Environments: The Political Ecology of Agrarian Change and Forest Conservation," with Daniel Münster and Carson Fellow Stefan Dorondel at the annual conference of the German Anthropological Association in Vienna. Finally, Münster served as a guest lecturer at the Global Environments Summer Academy held at the RCC in August.

Furthermore, Münster presented her research in many diverse locations, including at an Erasmus Intensive Program on biocultural diversity in Barcelona; at the Biennial Meeting of the European Society of Environmental History Conference, Turku, Finland; and, at a conference at the International Institute of Social Sciences in The Hague, Netherlands, as well as at other colloquia throughout Germany. Finally, Münster has numerous publications forthcoming, including two *RCC Perspectives* issues on biocultural diversity and the political ecology of agrarian change and forest conservation.

Research Fellows – “Climates of Migration” Project

Marlene Becker, (December 2010 –)

Rebecca Hofmann, (December 2010 –)

Ina Richter, (July 2011 –)

Research Associates

Marcus Andreas (October 2009 –)

Julia Blanc (October 2009 – April 2011)

Suzanne Bruins (August 2011 –)

Andreas Grieger (October 2009 –)

Eleanor Hayman (October 2010 –)

Julia Ismar (January – December 2011)

Claas Kirchhelle (October 2011 –)

Agnes Kneitz (October 2009 –)

Felix Mauch (October 2009 –)

Angelika Möller (August 2009 –)

Julia Staudinger (July 2011 –)

Ben Tandler (July 2011 –)

Sonja Weinbuch (November 2011 –)

Research Assistants

Rebecca Friedman (December 2010 –)

Annka Liepold (May 2010 –)

Pierre Lipperheide (April 2011 –)

Marie-Theres Recifo (July 2011 –)

Stephanie Rinck (September 2009 –)

Martin Spenger (October 2010 –)

Lisa Spindler (September 2009 –)

Sarah Waltenberger (March 2011 –)

Interns

Arda Isildar (August – October 2011)

Indra Lopez Velasco (July – September 2011)

Isabelle Plessis (January – April 2011)

Ruscha Voormann (October – December 2011)

Administration

Managing Director



Claudia Reusch
(August 2009 –)

Claudia Reusch studied geography at the Technical University of Munich (TUM); she completed her doctorate in 1997. She worked in the field of scientific marketing until 2000, when she became Head of Research at an international consulting company. In 2005 she founded her own company and relocated to the USA after obtaining her MBA degree.

As the managing director, Claudia Reusch is responsible for the day-to-day operational activities and overall business administration at the RCC. Her tasks include planning and overseeing the RCC's financial performance, managing human resources, ensuring compliance with relevant legislation, coordinating the increasingly complex physical arrangements at the RCC, and implementing diverse policies and procedures. She also assists all incoming Carson Fellows in navigating visa and residency permit requirements, as well as assisting with other practical relocation issues. Reusch also works closely with the administration of both federal and Bavarian government ministries, as well as with LMU Munich, the Deutsches Museum, and the Center's academic board. In addition, she facilitates various RCC collaborations with local partners and international universities. Finally, she plays a key role in organizing many RCC events from the annual advisory board meeting to the retreat and other RCC excursions.

Office Manager

Andrea Cooke
(September 2010 –)



At the RCC, Cooke assists the managing director and the RCC directors with the daily operational and administrative activities. Cooke coordinates the logistics of the Center and assists with both human resources and finances. In addition, she supports RCC Director Christof Mauch in the preparation of official documents. Finally, she has been heavily involved in the organization of diverse Center events, e.g. the ESEH Summer School 2011 in Venice with Christof Mauch.

Andrea Cooke, the RCC office manager, is trained in business administration and personnel practice and obtained her degree in social pedagogy in 1996. She stayed in this field until 2000 when she relocated to Cambridge, England, to work in the HR department of a medical research facility. In 2007, she joined LMU Munich where she became responsible for the implementation and development of one of their Excellence Clusters' gender equality, mentoring, and summer research programs.

PhD Program Coordinator



Elisabeth Zellmer

(October 2010 –)

Elisabeth Zellmer studied history, political science, and Czech at the University of Regensburg, Germany, the University College of Dublin, Ireland, and the Masaryk University in Brno, Czech Republic. Between 2006 and 2010, she worked as a research associate at the Institute of Contemporary History in Munich.

Elisabeth Zellmer is the coordinator of the doctoral program, “Environment and Society,” which is sponsored by the RCC. The program accepted its first doctoral students in the winter semester 2010-11 and its second cohort a year later. Under Zellmer’s leadership, the program has not only grown in size, but has also become both more interdisciplinary and more international. Aside from supporting the program’s participants, she is responsible for the development, organization, and the execution of the program. Zellmer also assists in coordinating the program’s external funding. Zellmer’s position is generously supported by LMU Munich. In 2011, her dissertation, which explored the women’s movement and feminism in Munich, was published by the Oldenbourg Verlag under the title *Töchter der Revolte?: Frauenbewegung und Feminismus der 1970er Jahre in München*.

Digital Humanities Research Specialist

Wilko Graf von Hardenberg (June 2011 –)

IT / Systems Manager

Janosch Kilian (November 2009 –)

IT Developer Digital Project

Daniel Pettet (November 2010 –)

Communications

Project Manager – Communications



Arielle Helmick

(January 2010 –)

Before joining the RCC, Arielle Helmick studied music, gender studies, and American studies at both Vanderbilt University, United States and LMU Munich. In 2011, she completed her doctorate with the defense of her dissertation, entitled “The Greening of American Music: Environmentalism in Song.”

As Project Manager for Communications, Arielle Helmick coordinated media and outreach at the RCC during 2011, including the website and the newsletter. She co-convoked a workshop, “Moving Environments: Affect, Emotion, and Ecocinema” with Carson Fellow Alexa Weik von Mossner. In addition, she has overseen the launch and organization of the RCC film series, “Green Visions,” also with Weik von Mossner. She continues to develop strategic partnerships between the RCC and other relevant organizations, such as the University of Alberta, Edmonton and the Competence Centre for Multimedia Objects at the German National Library of Science and Technology. Helmick manages the RCC internship program, the RCC library, and the Carson Fellows film portraits. She also coordinated the production of the promotional film, “All about the RCC.”

Helmick will serve on both the local organizing committee and the scientific committee for the upcoming 2013 European Society for Environmental History Biennial Meeting which will be held at the RCC. In conjunction with Managing Editor Katie Ritson, she edited the 2011 Annual Report and is organizing the 2012 *Silent Spring* essay contest.

Project Manager – Exhibitions

Nina Möllers

(October 2009 –)



As Project Manager for Exhibitions, Nina Möllers serves as the curator for RCC-related exhibitions at the Deutsches Museum. She is currently working on a project, supported by the German Federal Ministry of Education and Research, that examines historical household exhibitions as mediators in the mechanization process of private households.

In 2011, Möllers organized two RCC conferences: “Deified—Damned—Depleted: Energy as Resource, Symbol, and Consumer Good”; and “Continuity in Energy Regimes” with the Institute for Advanced Study, Technical University of Munich, and the Peter Wall Institute for Advanced Studies at the University of British Columbia. Möllers has also been preparing a temporary exhibition, “Cable Tangle: Energy Consumption in the Household” which will be displayed in early 2012 at the Deutsches Museum. Finally, she has been conducting research for a monograph on the role of exhibitions as mediators of private energy consumption in the twentieth century. In 2011, she had two articles published, including one on household technologies and exhibitions in the journal *Ferrum*.

Before joining the RCC, Nina Möllers earned her doctorate in modern history from the University of Trier in 2007 and then completed a traineeship at the Museum for Technology and Labor in Mannheim.

Managing Editor



Katie Ritson

(October 2009 –)

Katie Ritson gained an honors degree in Modern and Medieval Languages (German and Russian) from the University of Cambridge before moving to Munich in 2003. She completed her Master of Arts in Comparative Literature at LMU Munich in 2009.

Katie Ritson joined the RCC as an editor in 2009 and took up the position of managing editor in July 2011. As managing editor, Ritson is responsible for all English-language publications at the RCC, including the book series with Berghahn Books (New York and London) and the *RCC Perspectives* series. In addition to her work on seven *Perspectives* issues in 2011, she oversaw work on a book project for the series of the Bavarian American Academy entitled *American Environments: Climate—Culture—Catastrophe* and a special edition of the *Nova Acta Leopoldina*. Furthermore, Ritson manages all in-house editing and translation projects, as well as supervising the RCC editing team. Her translation of Peter Sloterdijk's essay, "Society of Centaurs," appeared in the journal *Transfers: Interdisciplinary Journal of Mobility Studies* (2011, no.1).

Editor

Claudia Whiteus (September 2010 – September 2011)

Communications Associate

Paul Senker (October 2010 – August 2011)



12 Outlook

There are many exciting plans for the future at the RCC. Given that academic interest in the environment is necessarily tied to a level of concern about the global future, there is always an element of “so, what next?” to the debates at the Center. Besides the many conferences, workshops, lectures, film screenings, and indeed, informal conversations which we are looking forward to in 2012, there are a few events which are looming particularly large on the horizon.

In 2012, the RCC will celebrate the fiftieth anniversary of the publication of Rachel Carson’s groundbreaking *Silent Spring*. The Center already acknowledges Carson’s enormous legacy of environmental learning and concern in everything it does, but in 2012, the focus will be particularly on the subject of *Silent Spring*, with activities including a conference on hazardous chemicals, a plenary session at the annual conference of the American Society of Environmental History in Madison, Wisconsin, and an essay competition aimed both at young scholars and established academics. Moreover, 2012 will see the RCC and the Deutsches Museum co-hosting the Twenty-First Annual Conference of the Society for the History of Technology on the entanglement of natural catastrophes and technical disasters.

2012 will also see the official launch of the Environment & Society Portal, following three years of patient and thorough research, mapping, brainstorming, and countless meetings: the Portal is the first big step towards a new digital profile for the environmental humanities. The Portal incorporates the Arcadia Project, to which a number of scholars of environmental history from several different countries have already submitted short articles.

In 2012, LMU Professor of Public Law and Management Sciences Jens Kersten will serve as the new Carson Professor. An expert in environmental law, Kersten will do research on legal aspects of the environment with a special focus on waste management.

There will be another big highlight in 2013, when the RCC hosts the biennial conference of the European Society for Environmental History (ESEH) in Munich.

This will be the first time that the ESEH meets in Germany, and the thematic focus will be “Circulating Natures: Water—Food—Energy.” The RCC is looking forward to following the Turku conference in 2011 with a lively and diverse academic and cultural program, and to welcoming (back) many alumni fellows, associates, and friends, as the ESEH conference will also be the occasion of the first RCC Alumni Meeting.

A further long-term project currently under development is an exhibition on the Anthropocene, which is projected to open at the Deutsches Museum in 2014. This large-scale project was inspired by Carson Fellow Reinhold Leinfelder and it fits squarely in the RCC’s research cluster “Transformation of Landscapes.” The idea behind the exhibition is to showcase the tremendous human impact on the environment over the last 200 years and to link historical insights on the nature/culture relationship with current discourses and future projections of environmental problems and challenges. The exhibition will connect the Center with stakeholders in the scientific, economic, political, cultural, and public domains. One of the Center’s main partnering institutions for the exhibition will be the House of the Cultures of the World in Berlin, which has agreed to jointly organize a two year program of cultural events and performances on the concept of the Anthropocene.

Whether our inspiration is fishing practices in the far north, river agriculture in the seventeenth century, hazardous chemicals, literary manifestations of risk, or contemporary climate perceptions, the future is never far from our discussion. We look forward, both to the many new plans and continuing projects for 2012 and beyond, and also remain open to the unexpected discoveries to which both our ongoing projects and the bright ideas of our future Carson Fellows may lead us.

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Munich, 2012



LUDWIG-
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Deutsches Museum

