



### EDITORIAL

**Johannes Müller, Speaker Graduate School 'Human Development in Landscapes'**

The year 2012 began quite busy for many members of the GS and has already seen two real highlights. First, the presentation of our renewal proposal took place in Bad Honnef in January. 24 PhD students and Principal Investigators supported by Secretary of State Cordelia



Photo: private

Andreßen explained achievements of the last four years and our plans for GS phase 2 to the international board of reviewers. The final joint decisions of the German Research Foundation and politicians will be announced on June 15. Many thanks go to all colleagues, investigators and further

participants who helped in preparing the renewal proposal and its presentation!

The second highlight at this early stage of the year was the opening of the Graduate School exhibition on February 20. More than 120 people came to Schleswig to celebrate this event with us. The PhD students whose projects are presented introduced the guests to the exhibits. I hope that many people from Northern Germany and from abroad will visit Schloss Gottorf to learn about the work and results of our young scientists.

In this issue of the newsletter you can read more about the exhibition. We also continue our alumni series, this time informing you about the steps Ben Krause-Kyora took after finishing his PhD studies. As spring is approaching, many Graduate School members get on their way to fieldwork, conferences and workshops. I wish everyone fruitful sessions and numerous opportunities to broaden the scientific network.

### THE INTERPLAY OF MAN AND LANDSCAPE

#### Graduate School exhibition in Schleswig

The Graduate School presents the diversity of its research to a broad public in the new exhibition "Manipulierte Landschaften – 10.000 Jahre Veränderung" ("Manipulated Landscapes – 10.000 years of Change"). It will be displayed at Schloss Gottorf in Schleswig until September 16. Next year, it will be hosted at Kiel's Art Museum. The central idea behind the exhibition is to foster the external visibility of the Graduate School.

The exhibits are allocated to three essential aspects of the Graduate School's work: innovation and exchange, human societies and environmental change, and monumentality and rites. These are key themes of research at the Graduate School within the scope of human development in landscapes. The exhibits provide answers to questions such as: How and when did the domestic pig come to North Central Europe? What impact did the extensive use of marble have on urban landscapes in the Roman Empire? What do the journeys of a monument tell us about German-Danish conflicts?

During the opening ceremony on January 20, Cordelia Andreßen, Secretary of State in the Ministry of Science, Economic Affairs and Transport of Schleswig-Holstein, praised the public outreach efforts of the Graduate School, from which the exhibition evolved. Andreßen also found laudatory words for the successful linkage of the natural sciences and the humanities within the Graduate School.

Gerhard Fouquet, president of Kiel University, underlined the importance of giving young scientists an excellent education. Fouquet sees the good conditions under which PhD students work at the Graduate School mirrored in the outstanding results presented in the exhibition. Johannes Müller, speaker of the Graduate School, thanked the presidium of Kiel University for funding the exhibition. Müller is pleased

to have the exhibition hosted in Schleswig. "Schloss Gottorf attracts many people interested in pre- and protohistory. With a room adjacent to the popular bog bodies, we have an excellent location so that visitors will easily find their way to our exhibition." Furthermore, Müller sees the premiere of the exhibition in Gottorf as proof for the strengthening influence the Graduate School has within research networks in Schleswig-Holstein.

One of the hot spots attracting many guests during the first evening was an interactive game based on Martin Hinz' PhD project. The player's objective is to help a Neolithic village survive by allocating its inhabitants to different fields of work and food production. It is not an easy task, but just as in real protohistory, introducing agriculture helps a lot.

Another exhibit very worth viewing shows Bettina Schulz Paulsson's research. Bettina investigates megaliths all across Europe and possible links among their builders. To illustrate her work, she has taken thousands of high quality pictures of tombs, graves, menhirs, and henges. Some of the best of them are shown for the first time on a big screen to give an impression of the differences and similarities among them. Additional information is provided on a separate screen, which makes her research easily accessible to a wide audience.



Each of the exhibits displayed at Schloss Gottorf shows a doctoral student's research work. *Photo: Menge*

In order to present the exhibits in an attractive surrounding, the Graduate School cooperated with members of the Muthesius Academy of Fine Arts and Design, who created a room concept resembling a landscape. The whole process of developing and implementing the exhibition took approximately two years. As it has been constructed modularly, exhibits can be changed or new ones brought in at any time.

"The exhibition is not just a great way of spreading information to the public", states scientific coordinator Walter Dörfler, "the process of creating it also raised awareness for public outreach issues among the doctoral students." Coordinator Daniela Menge adds: "It was an exciting task to merge projects from so many different scientific fields in a single exhibition, and I think the result is really worth seeing."

Further information (in German): [www.uni-kiel.de/landscapes/allgemein/ausstellung.shtml](http://www.uni-kiel.de/landscapes/allgemein/ausstellung.shtml)

### HONOURING THE ALUMNI

The Graduate School is proud of their first generation of alumni. During a ceremony in December 2011, the Executive Board took the chance to honour them for successfully completing their PhD projects. Coordina-

tor Johannes Müller and co-coordinator Lutz Käppel handed over certificates to Rémi Berthon, Aikaterini Glykou, Martin Hinz, Ben Krause-Kyora, Vincent Robin and Christoph Steffen. Carolin Lubos, Kemal Moetz, and Christoph Nübel, who were also awarded their PhDs in 2011, were unable to attend. "We are particularly proud that all of them found positions or projects immediately after finishing their doctoral studies", mentioned scientific coordinator Mara Weinelt.



Mara Weinelt, Lutz Käppel and Johannes Müller (back row, from left) congratulated members of the first PhD student generation on successfully completing their respective dissertations.

workshop in 2009. All the graduates will keep in touch with the Graduate School.

## GRADUATE SCHOOL ALUMNI (II): BEN KRAUSE-KYORA

*More and more PhD students of the first generation are finishing their projects and leave the Graduate School. We keep in touch with them and trace their next steps. Where are they going after their PhDs, and what are they doing there?*

Ben Krause-Kyora is an expert in both archaeology and ancient DNA. Having studied biochemistry and pre- and protohistory in Kiel, he wrote his PhD thesis about molecular genetic and archaeological aspects of pig domestication and pig breeding. Ben was awarded his doctoral degree in summer 2011. He is now a post-doc fellow in the working group of Professor Almut Nebel at the Institute of Clinical Molecular Biology (IKMB) and continues to work for the Graduate School. "My task is to plan and set up a new aDNA lab", Ben explains. "Furthermore, I want to implement new methods, such as next-generation sequencing. This allows us to analyze the whole genome instead of single segments and thus supplies us with much more data at a hitherto unprecedented level."

To have an aDNA lab at hand is far from being standard: The lab in Kiel is one of just four such facilities in Germany. "Thanks to my membership in the Graduate School, I could do my PhD in the laboratory without losing scientific links to archaeology. The interdisciplinary network really worked well in my case", Ben states. He now focuses his research on diseases such as leprosy or syphilis. "I want to find out how the pathogens interacted with the host during the course of evolution and how changes in this interaction are reflected in the human and bacteria genome."



## WORKSHOP OUTPUT PUBLISHED

In March 2011 the second international Graduate School workshop "Socio-Environmental Dynamics over the last 12.000 Years: The Creation of Landscapes II" produced fruitful discussions and scientific exchange among the participants. Three volumes have now been published from three of the sessions, comprising most of the papers presented there:

"Collapse or Continuity? Environment and Development of Bronze Age Human Landscapes" (editors Jutta Kneisel, Wiebke Kirleis, Marta Dal Corso, Nicole Taylor and Verena Tiedtke)

"As time goes by? Monumentality, Landscapes and the Temporal Perspective" (editors Martin Furholt, Martin Hinz and Doris Mischka)

"Tells: Social and Environmental Space" (editors Robert Hofmann, Fevzi-Kemal Moetz and Johannes Müller)

In principle, one of the main areas of interest is addressed in each volume: strategies for and influences on landscapes; the organization of networks and space; reception of landscapes and social space. In addition to palaeo-ecological and archaeological studies, aspects of societal patterns and changes are presented.

Habelt GmbH (Bonn) published the three volumes as issues 205, 206, and 207 of the series "Universitätsforschungen zur prähistorischen Archäologie".

## STAFF & PERSONAL NEWS

**Dr Oliver Nakoinz** has joined the Graduate School as a postdoctoral fellow for quantitative modelling until mid-2012. He is working on modelling systems of transport and interactions. Oliver would be glad to support projects in this field. Before returning to Kiel, where he studied Pre- and Protohistoric Archaeology, Oliver was a senior fellow at the Cluster of Excellence TOPOI in Berlin.

**Robert Hofmann MA** passed his disputation on "Okoliste - Spätneolithische Keramik und Siedlungsentwicklung in Zentralbosnien" on December 15, 2011. The dissertation was graded with "magna cum laude".

**Dr Vincent Robin** was invited to present his PhD research at a special seminar about forest ecology on January 13, 2012, which took place at the CNRS Institute of Mediterranean Biodiversity and Ecology of the Aix-Marseille University (France).

**Manuel Alberto Fernández-Götz MA**, associated doctoral student of the Graduate School, passed his disputation on "Identidad y Poder: la Galia Nororiental de la Primera Edad del Hierro a la Romanización" on January 20, 2012. The dissertation was graded with summa cum laude. Manuel did a bi-national PhD between the Complutense University Madrid and the Christian-Albrechts-Universität zu Kiel.

**Donat Wehner MA** passed his disputation on "Das Land Stodor. Eine Studie zu Struktur und Wandel der slawenzeitlichen Siedlungsräume im Havelland und in der nördlichen Zauche" on January 30, 2012. The dissertation was graded with "magna cum laude".

**Ricardo Fernandes MSc** will participate in the workshop "Progress and pitfalls – New archaeometric research of Stone Age remains in the Baltic Sea region" in Helsinki (Finland) on March 22 and 23. Ricardo is an invited keynote speaker and has prepared two talks: "Quantitative approach to ancient diet reconstruction and reservoir effect correction" and "Characterization of reservoir effect in the Mecklenburg lake district". Graduate School members **Dr Marie-Josée Nadeau** and **Professor Pieter Grootes** will also attend the workshop.

## SELECTED EVENTS (complete calendar: [www.uni-kiel.de/landscapes](http://www.uni-kiel.de/landscapes))

Venue for Biweekly Colloquia: Leibnizstraße 1, Room 204

### April

Monday, April 2, 5:00 p.m. – **Biweekly Colloquium: Daniele Colombaroli**, Bern University. Long-term perspective on human impact across ecosystems: insights from the palaeoecological record.

April 10 to 20 – **Palaeoecology: Wood and Wood Charcoal Identification** – Oliver Nelle – Biology Centre, Am Botanischen Garten 5, Room E10 – Please register until March 15: [onelle@ecology.uni-kiel.de](mailto:onelle@ecology.uni-kiel.de)

Monday, April 16, 5:00 p.m. – **Biweekly Colloquium: Daniel Contreras**, Humboldt Fellow Kiel/ Stanford University.

Tuesday, April 24, 4:15-5:45 p.m. – **The Role of Archaeology and History in the Contemporary World** – Antonia Davidovic – Leibnizstr. 3, Graduate School Social Room