

# Postdoc Scholarships within Environmental Economic Modelling and Policy (ID 730383)

The Department of Environmental Science, Aarhus University, Roskilde, Denmark is offering two postdoctoral research positions as part of the projects Go4Baltic and BalticApp; newly funded BONUS research projects on the sustainable governance of the Baltic Sea. The positions are to be filled as soon as possible.

## The Department of Environmental Science

The Department of Environmental Science is an interdisciplinary department under the Faculty of Science & Technology at Aarhus University. The expertise ranges from social science, geography, economics and policy analysis to mathematical modelling, physics, chemistry, and microbiology. Both pure and applied research is conducted on some of the major challenges facing society, such as pollution and pollution control mechanisms, management of land, soil, water, air and biodiversity, protection of ecosystem services and climate change. Advisory services within these areas are offered to ministries and other stakeholders. Currently, about 120 staff and PhD-students are working at the department. Further information may be found at <http://www.envs.au.dk>.

The selected postdoc candidates will be affiliated with the Section for Environmental Social Science. The section employs 20 staff and focuses on interdisciplinary analyses of the interlinkages between the environment and society, involving the disciplines of economics, political science and sociology. The strategic foci of the section include spatial economic modelling, economics of ecosystem services and the understanding of actions and actors in policy formulation and implementation. The results are used in advisory services to decision makers, teaching as well as for dissemination to the research community.

## Description of the positions

General: Both of the Bonus projects BalticAPP (Well-being from the Baltic Sea – applications combining natural science and economics) and Go4Baltic (Coherent policies and governance of the Baltic Sea Ecosystems) are funded under the BONUS call 2014, and both projects involve research collaboration between research institutions around the Baltic Sea.

The BalticAPP project offers a 20 month postdoc position. The BalticApp project aims to study and identify strategies for safeguarding a sustained supply of core ecosystem services that support the sea-dependent lifestyles and wellbeing in the Baltic Sea region under anticipated climate and socio-economic developments. Furthermore, the project aims to experiment with new methods to engage the public in providing detailed data on the demand for cultural ecosystem services. The selected candidate is expected to apply and develop state-of-the-art environmental economic models focusing on the valuation of recreational services using spatially explicit discrete choice models. The models will be applied to the whole of the Baltic Sea.

The Go4Baltic project offers a 15 month postdoc position. Go4Baltic examines coherence, synergies and conflicts, between national and international environmental and agricultural policies across the Baltic countries. The aim is to provide policy relevant advice and recommendations for reductions of the eutrophication in the Baltic Sea in coherence with climate and agricultural policies. The project includes a farm survey to farmers in Baltic Sea countries, including a choice experiment survey of farmers trade-offs and choices of technologies etc. The data from this survey will be used in the modelling of farmers' adaptation to policies. The successful candidate is expected to develop the survey and use

the data for the modelling in cooperation with researchers in the Environmental Social Science Section as well as with other participants in the project.

In both projects there will be ample opportunities to develop collaborations within the projects.

The selected candidates for both projects are expected to contribute to the teaching of graduate courses on environmental economics, participate in advisory services to decision makers and contribute to stakeholder involvement.

### **Qualifications requirements**

The position requires a background in environmental/ecological economics. Documented skills in applying quantitative methods in economics will be of advantage. The qualifications should be documented by published contributions in international high-quality research outlets. Applicants should as a minimum hold scientific qualifications equivalent to the Ph.D. graduate level.

The candidates are expected to be enthusiastic about working in an interdisciplinary international academic environment. The positions, therefore, requires highly motivated scientists who are comfortable working in teams.

Aarhus University encourages applications from all qualified candidates, regardless of gender, age and ethnic background.

### **Work location**

The place of work will be at Aarhus University in Roskilde, Denmark. The city of Roskilde ([www.roskilde.dk](http://www.roskilde.dk)) is located close to Copenhagen. The area provides immediate access to a wealth of cultural and recreational pursuits. Within about 5 years, the department will move to Copenhagen.

International candidates may find information concerning living and working in Denmark at [www.workindenmark.dk](http://www.workindenmark.dk). AU International Center offers a full range of services to make your transition to Denmark as smooth as possible (<http://www.au.dk/en/internationalcentre/ias/>), and the department will assist foreign candidates with finding a suitable place to live.

### **Terms of employment**

Appointments shall be in accordance with the collective labour agreement between the Danish Ministry of Finance and the Danish Confederation of Professional Associations.

Further information on qualification requirements and job content may be found in the Memorandum on Job Structure for Academic Staff at Danish Universities [here](#), and in the Ministerial Order on the Appointment of Academic Staff at Danish Universities under the Danish Ministry of Science, Technology and Innovation [here](#).

The salary will depend on seniority as agreed between the Danish Ministry of Finance and the Confederation of Professional Associations. Outstanding foreign candidates may qualify for a reduced taxation scheme.

English is spoken on a daily basis at the department.

### **Filing of the application**

The application must be in written in English. Guidelines for filing the application may be found [here](#). The application itself should contain a short letter of intent, a 2-3 page description of research expertise and future research plans.

Please indicate which of the positions the application addresses.

### **Further information:**

For further information about the positions and the projects, please contact Head of Section Berit Hasler, [bh@envs.au.dk](mailto:bh@envs.au.dk). Tel: +45 871 58637. For specific information about the BalticApp postdoc please contact senior scientist Marianne Zandersen, [mz@envs.au.dk](mailto:mz@envs.au.dk), and for the Go4Baltic postdoc please contact Berit Hasler.

**Deadline**

All applications must be made online and received by 20 May 2015

[Please apply online here](#)

*Aarhus University offers an inspiring education and research environment for 44,500 students and 11,500 members of staff, ensuring results of a high international standard. The budgeted turnover for 2015 amounts to DKK 6.2 billion. The university's strategy and development contract are available at [www.au.dk/en](http://www.au.dk/en).*