

### Deadlines

31 January 2007: Deadline for application

1 March 2007 Notification of acceptance

### Course Fee

The course fee is 500 € and covers all lectures, meals, accommodation and excursions.

### GKSS Scholarships

A limited number of scholarships is available to students who are unable to cover travel and accommodation expenses. For application, please include a CV, outline of current work and a letter by your supervisor.

### Addresses

Please address your application to:

Mrs. Ilona Liesner  
GKSS Research Centre  
Max-Planck-Strasse 1  
D 21502 Geesthacht  
Phone ++49 4152 87 1830  
Email [liesner@gkss.de](mailto:liesner@gkss.de)

or access the web site  
<http://coast.gkss.de/events/5thschool/>

and apply using the internet form.

### Proceedings

The proceedings of the School will be published in a volume of the Springer Book series "GKSS School of Environmental Research"

### The book series

Environmental research is a challenge in modern times, when the use of the environment for various purposes is ever intensifying and, at the same time, the awareness of the public for the precious and fragile environment is heightened. While in earlier times, aspects of the environment were dealt with in special branches of conventional scientific disciplines like meteorology, geology and biology, environmental research has become a broad multidisciplinary effort, comprising not only most fields of natural science but also the social and even cultural sciences. The GKSS School on Environmental Research for students and postdocs addresses these new challenges and discusses the various aspects.

### Travel and Accomodation

Göhrde is situated near Lüneburg in northern Germany. The nearest airport is Hamburg.

From the airport, take the shuttle bus 110 to suburban railway station "Ohlsdorf" and from there the line S1 to Hamburg main train station.

From Hamburg main station, an hourly train leaves for Lüneburg. Connections can be checked under [reiseauskunft.bahn.de](http://reiseauskunft.bahn.de).

A shuttle service will be provided from Lüneburg railway station to the hunting castle of Göhrde. Please announce your arrival time!

**Accomodation** for students and teachers is in the ancient hunting castle of the town.



Fifth

## GKSS School of Environmental Research

– Persistent Pollution:  
Past, Present and Future –

9–18 May 2007

Hunting castle Göhrde near  
Lüneburg, Germany

## Objective

Persistent Pollution is one of the key features of the „Anthropocene“. This current era is characterized by growing impacts of human activities on the Earth’s system which are equal or even higher than the natural forcing. Although anthropogenic releases of acidifying gases and heavy metals into the atmosphere and hydrosphere can be dated back to ancient times, the „Chemical Anthropocene“ may be considered as the time period from around 1950 to today where the impact of man-made persistent pollution reaches a global dimension.

The Fifth GKSS School of Environmental Research focuses on Persistent Organic Pollutants (POPs), Heavy Metals and Aerosols and offers courses on

- Description, comparison and assessment of anthropogenic environmental change
- Causes and consequences on different time scales
- Long-term hazards and impacts on human society
- Modelling of transport, transformation and deposition from regional to global scales.

## Location

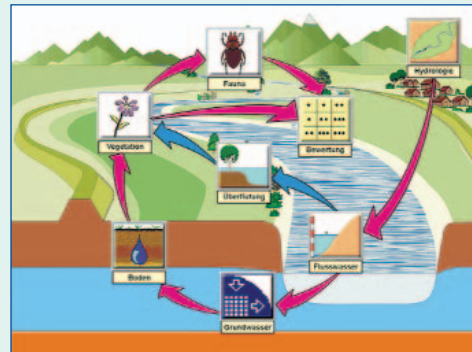
The village Görhde, the nearest town Hitzacker and the surrounding area are part of an attractive region for tourists. First stone-age tombs can be dated back to 2500 BC, and in medieval time the town flourished due to the protected position in the winding arm of the river Jeetzel where it meets the River Elbe. Germany’s northernmost vineyard is here, and the vintage festivity in autumn has a tradition of 400 years.

Today, the town is famous for music festivals in summer and winter, for its bronze-age open-air museum and for recreation.

## Lecturers

- Claude Boutron (University of Grenoble, France),
  - Peter Brimblecombe (University of East Anglia, UK),
  - Bill Shotyk (University of Heidelberg, Germany),
  - Ivan Holoubek (University of Brno, Czech Republic),
  - Steve Lindberg (Oak Ridge National Laboratory, USA),
  - Wolf-Ulrich Palm (University of Lüneburg, Germany),
  - Hartmut Graßl (Max-Planck-Institute for Meteorology, Hamburg, Germany),
  - Hendrik Elbern (University of Köln, Germany),
  - Jozef Pacyna (University of Oslo, Norway),
  - Gerrit Schüürmann (UFZ Leipzig, Germany),
  - Hans von Storch (GKSS Geesthacht, Germany),
- and some selected speakers from GKSS.

For further information, please visit the School homepage <http://coast.gkss.de/events/5thschool/> which is continuously updated.



## Organizers of the School

Ralf Ebinghaus, department head at the Institute of Coastal Research of GKSS and lecturer at the University of Lüneburg.  
Markus Quante, research associate at GKSS and lecturer at the University of Lüneburg.

## GKSS Research Centre

GKSS is one of the 15 centres that make up the Helmholtz Association of National Research Centres (HGF) and deals with the two fields of materials and coastal research.

The Institute for Coastal Research (IfK) was formed in 2001. It is divided into two distinct sections, "System Analysis and Modelling" and "Development of Operational Systems".

Research activities span both the natural and human dimensions of coastal dynamics, analysing the coastal system in global and regional contexts, conducting assessments of the state and sensitivity of the coastal system to natural and human influences, and developing scenarios of future coastal options.

