



## Summer School GeoEnergy Research

The GeoEn Summer School strives to provide a thorough introduction to the multidisciplinary fields of knowledge encompassed within the new GeoEnergy research field.

### Topics

- CCS and CCU: CO<sub>2</sub> combustion, CO<sub>2</sub> utilisation, CO<sub>2</sub> transport and CO<sub>2</sub> storage
- Shale Gas
- Geothermal Technologies
- Reservoir Geology, Exploration, Characterisation and Monitoring
- Geophysics
- Process Modelling
- Geomicrobiology
- Public Acceptance

Guided tour at the CO<sub>2</sub> storage pilot site Ketzin

## Summer School PlanetarySciences

The PlanetarySciences Summer School provides a broad overview of planetary research in the Berlin-Potsdam area through hands-on experience with a wide range of data obtained from ongoing space missions.

### Topics

- Terrestrial Planets, Moons and Minor Objects
- Planetary Physics and Motion of Planets
- Comparative Planetary Geomorphology and Processes
- Planetary Geology and Geochronologic Dating of Surfaces
- Modern Mapping of Planetary Bodies
- Composition and Analysis of Surface Deposits
- Planetary Data – Processing and Analysis

## Summer School Natural Risks and Sustainability

The Natural Risks and Sustainability (PROGRESS) Summer School will provide insights into some of the world's most challenging aspects of natural hazard assessment. The courses offered are designed for young researchers with a background in natural science as well as fellows from the social and political sciences.

### Topics

- Paleoseismology
- Neotectonics
- Remote Sensing and GIS
- Multivariate Geodata Analysis and Statistics
- Factor and Cluster Analysis
- Geodata Visualisation
- Interviewing Techniques
- Sustainable Development and Environmental Constraints
- Global Politics and Environmental Policies



Joint Research Project on GeoEnergy  
Research to secure a climate friendly  
and sustainable energy supply  
→ [www.geoen.de](http://www.geoen.de)



Network for pooling education, research,  
and development in Planetary Sciences  
in the Berlin-Potsdam area  
→ [www.master-planetary-sciences.de](http://www.master-planetary-sciences.de)



Potsdam Research Cluster for Georisk  
Analysis, Environmental Change and  
Sustainability  
→ [www.earth-in-progress.de](http://www.earth-in-progress.de)



### Individual Summer Schools

Monday to Wednesday

The projects GeoEn, PlanetarySciences and PROGRESS will present in-depth, state-of-the-art scientific knowledge in their respective research fields during three-day compact courses.

### Joint Programme

Thursday to Friday

The Geo.X-partner institutions will provide tours to their scientific research facilities. Hands-on laboratory tutorials (SIMS-laboratory and 3D Lab) and special lectures on topics such as methods of terrestrial/extraterrestrial age dating as well as methods and applications of remote sensing will complement the Summer School experience.

The Geo.X coordination platform bundles geoscientific competence in research, education, infrastructure, and transfer capabilities in the Berlin-Potsdam region in an effort to facilitate new networking opportunities across all related scientific disciplines.

The Geo.X Summer School 2012 provides a common platform for three individual research fields, complemented by an overarching programme for all participants. We invite young scientists to participate in our interdisciplinary and collaborative scientific research by joining the Summer School.

#### Registration

[www.geo-x.net/summer-school2012](http://www.geo-x.net/summer-school2012)

#### Fee

20 € for Graduate and PhD Students including hand-out material, beverages, lunch, and Summer School dinner

Participants cover lodging and travel expenses on their own.



# Geo.X

The geoscientific coordination platform of the Berlin-Potsdam region presents its

## Summer School 2012

GeoEnergy - Planetary Sciences - Natural Risks

Potsdam, Germany

**24 - 28 September 2012**