

Winter School 2007 "e-Learning in the Environmental and Geosciences"

The second DAAD Winter School "e-Learning in the Environmental and Geosciences" will be held at the Freie Universität Berlin from Wednesday, January 10 (day of arrival) to Wednesday, January 24 (day of departure). The principal objective of this School will be the integration of the content generated by the groups in a Content Management System (CMS) with the purpose of building a joint e-Learning web presence for shared use.

The central topics of the forthcoming workshop will include:

- Advanced e-Learning knowledge, skills and techniques;
- Conceptual enhancements and realization of a a common e-Learning portal for the Geosciences using a CMS.
- E-Learning didactics and interactivity;
- Basic tools for future networking and exchange of e-learning modules (incl. materials, didactics and techniques);
- Latest developments in Environmental and Geoscientific Research, principally by the Department of Earth Sciences at the Freie Universität Berlin

The conference language will be English. The total number of participants will be approximately 25 earth science educators from diverse countries, including DAAD alumni from Ethiopia, Uganda, Kenya, Sudan, Niger, Cameroon, Tunisia, Mongolia, China, Argentina, Chile, Peru, Ecuador, Cuba and other countries.

The structure of the second Winter School "e-Learning in the Environmental and Geosciences" will again consist of a mix of plenary sessions and project-oriented group work, with emphasis on the latter. In the plenary sessions experts will give presentations on various aspects of e-learning, followed by discussions. The practical training includes computer sessions with CMS and interactive items and is largely supported by tutors. The results of the Winter School – in the form of e-learning projects designed and created by five groups (see programme below) - will be made available on the Internet so that participants can use and develop them further.

The Winter School will take place Monday through Friday at:

Freie Universität Berlin
Department of Earth Sciences
Institute of Geographical Sciences
Malteserstr. 74-100, Building G
12249 Berlin

Rooms
G110 (Morning, 9:00 a.m. – 1:00 p.m.)
G108 (Afternoon, 2:00 p.m. – 6:00 p.m).

Here is the provisional programme:

Preliminary Programme (without announced breaks):

Date, Time	Programme	Place
Day 1: Wednesday, 10 January 2007		
• During the day	• Winter School participants arrive	
• 18:00-?	• Ice-Breaker – Welcome, Introductions, Snacks and Drinks hosted by Prof. C. Heubeck and Prof. B. Schütt (conveners), Denise Gücker (e-Learning coordinator at the Dept of Earth Sciences, FU Berlin), Anette Stumptner (Dept of Earth Sciences, FU Berlin)	Hotel Morgenland
Day 2: Thursday, 11 January 2007		
• 9:00-10:30 • 10:30-11:30 • 11:30-13:00	• Introduction to the Winter School: Background, concept, objectives, schedule, contents, logistics (Prof. Dr. C. Heubeck, Prof. Dr. B. Schütt, D. Gücker / Dept of Earth Sciences, FU Berlin) • Round of Introductions (old and new participants) • Welcome Address (Prof. Dr. Margot Böse / Dean, Dept of Earth Sciences, FU Berlin); Update: e-Learning elements at the FU Dept of Earth Sciences - project presentations (CD The Earth: Prof. Dr. C. Heubeck, GeoFeld: Dr. Dorothee Mertmann and Martin Raban)	G110
• 14:00-18:00	• Update: project presentations of the Winter School participants; Update: e-Learning elements at the FU Dept of Earth Sciences - project presentations; presentations of interactive items (Christopher Lüthgens et al.)	G108
Day 3: Friday, 12 January 2007		
• 9:00-11:00 • 11:00-13:00	Didactical and pedagogical issues of e-Learning: • E-Learning - On the way to a new culture of learning (Prof. Heinz Mandl / Institute of Educational Psychology, Ludwig-Maximilians-Universität München) • Knowledge construction in the geosciences by web- and exercise-based learning modules and communication tools (Prof. Volker Albrecht / Didactics of Geography, Johann Wolfgang Goethe-Universität Frankfurt/Main) (Presenter: Prof. Dr. C. Heubeck / Dept of Earth Sciences, FU Berlin)	G110
• 14:00-18:00	• Plenary discussion followed by practical work (with support by tutors): Identification and definition of shared e-Learning measures; Outcome: concept development and workflow of the five thematic groups for this workshop (objectives, main focus, distribution of responsibilities) (Presenter: Prof. Dr. C. Heubeck / Dept of Earth Sciences, FU Berlin)	G108
Day 4: Saturday, 13 January 2007		
	• The computer pools of the Dept of Earth Sciences are open to participants for independent work on their projects (with support by tutors). This is a do-as-you-like day for Winter School participants!	G108
Day 5: Sunday, 14 January 2007		
• 10:00-?	• Tour of Berlin: History and Urban Change (Dr. Christof Ellger / Gesellschaft für Erdkunde zu Berlin), optional get-together lunch	Down-town Berlin
Day 6: Monday, 15 January 2007		
• 9:00-13:00	• Practical work: Training course in "NPS", the FU's key content management system (CMS) (Denise Gücker, Anette Stumptner and tutors / Dept of Earth Sciences, FU Berlin)	G110
• 14:00-18:00	• Practical work: Training course in "NPS", the FU's key content management system (CMS) (Denise Gücker, Anette Stumptner and tutors / Dept of Earth Sciences, FU Berlin)	G108
Day 7: Tuesday, 16 January 2007		
• 9:00-10:00 • 10:00-13:00	• Workshop: Animations and assessment with Powerbullet (Christopher Lüthgens / Dept of Earth Sciences, FU Berlin) • Practical work: Project work with interactive items. Participants work independently on their own e-learning projects (with support by tutors)	G110
• 14:00-18:00	• Practical work: Project work in the computer pools of the Dept of Earth Sciences. Participants work independently on their own e-learning projects (with support by tutors)	G108

Provisional Programme (contd.) (without announced breaks):

Date, Time	Programme	Place
Day 8: Wednesday, 17 January 2007		
<ul style="list-style-type: none"> • 9:00-11:00 • 11:00-13:00 	<ul style="list-style-type: none"> • Update: e-Learning elements at the FU Dept of Earth Sciences - project presentations; presentations of interactive items (eGIS/eSens: Dr. Kai Hartmann, PG-Net: Anette Stumptner, 3D-Visualisation: Martin Heller) (Presenter: D. Gücker / Dept of Earth Sciences, FU Berlin) • Organisational issues 	G110
<ul style="list-style-type: none"> • 14:00-18:00 	<ul style="list-style-type: none"> • Practical work: Project work with interactive items in the computer pools of the Dept of Earth Sciences, FU Berlin. Participants work independently on their own e-learning projects (with support by tutors) 	G108
Day 9: Thursday, 18 January 2007		
<ul style="list-style-type: none"> • 9:00-11:00 • 11:00-13:00 	<ul style="list-style-type: none"> • Practical work: Project work with interactive items. Participants work independently on their own e-learning projects (with support by tutors) • Assessment, feedback and design of tests in e-Learning (Prof. Helmut Maxeiner / Institute for Forensic Medicine, Charité Berlin) (Presenter: Prof. Dr. C. Heubeck / Dept of Earth Sciences, FU Berlin) 	G110
<ul style="list-style-type: none"> • 14:00-18:00 	<ul style="list-style-type: none"> • Practical work: Project work with interactive items in the computer pools of the Dept of Earth Sciences, FU Berlin. Participants work independently on their own e-learning projects (with support by tutors) 	G108
Day 10: Friday, 19 January 2007		
<ul style="list-style-type: none"> • Departure: 6:00 	<ul style="list-style-type: none"> • Field trip to Zielitz (underground potassium salt mine) (Prof. Dr. C. Heubeck / Dept of Earth Sciences, FU Berlin) 	
Day 11: Saturday, 20 January 2007		
<ul style="list-style-type: none"> • 9:00-13:00 	<ul style="list-style-type: none"> • Interim reports: Winter School participants present their project work; exchange of experiences. 	G108
<ul style="list-style-type: none"> • 14:00-18:00 	<ul style="list-style-type: none"> • Practical work: Project work with interactive items in the computer pools of the Dept of Earth Sciences, FU Berlin. Participants work independently on their own e-learning projects (with support by tutors) 	G108
Day 12: Sunday, 21 January 2007		
	<ul style="list-style-type: none"> • The computer pools of the Dept of Earth Sciences are open to participants for independent work on their projects (with support by tutors). This is a do-as-you-like day for Winter School participants! 	G108
Day 13: Monday, 22 January 2007		
<ul style="list-style-type: none"> • 9:00-10:00 • 10:00-11:00 • 11:00-13:00 	<ul style="list-style-type: none"> • Cooperative publishing with blogs (Dr. Bruce Spear / CeDiS, FU Berlin) (Presenter: D. Gücker / Dept of Earth Sciences, FU Berlin) • Workshop: Blogging (Martin Heller and Tobias Wittkopf / Dept of Earth Sciences, FU Berlin) • Practical work: Project work with interactive items. Participants work independently on their own e-learning projects (with support by tutors) 	G110
<ul style="list-style-type: none"> • 14:00-14:20 • 14:20-18:00 	<ul style="list-style-type: none"> • Update: e-Learning elements at the FU Dept of Earth Sciences - project presentation (Water availability in the Earth's drylands in 2025: Timo Jamitzky) • Practical work: Project work with interactive items in the computer pools of the Dept of Earth Sciences, FU Berlin. Participants work independently on their own e-learning projects (with support by tutors) 	G108

Provisional Programme (contd.) (without announced breaks):

Date, Time	Programme	Place
Day 14: Tuesday, 23 January 2007		
<ul style="list-style-type: none"> • 9:00-13:00 	<ul style="list-style-type: none"> • Practical work: Project work with interactive items. Participants work independently on their own e-learning projects (with support by tutors) 	G110
<ul style="list-style-type: none"> • 14:00-14:30 • 14:30-18:00 • Open end 	<ul style="list-style-type: none"> • Annotations: DAAD - The role of Alumni networking (Cay Etzold / DAAD, Bonn) and e-Learning at FU Berlin (Dr. N. Apostolopoulos / CeDiS, FU Berlin) • Discussion: Better learning with e-learning? (Chair: Prof. C. Heubeck / Dept of Earth Sciences, FU Berlin) • Evaluation of the Winter School: Project presentations, expectations and achievements; closing remarks (with Voting System by Gerald Haese / CeDiS, FU Berlin) (Presenter: Prof. C. Heubeck and Prof. Dr. B. Schütt / Dept of Earth Sciences, FU Berlin) • Get-together supper and cultural event 	<p>G108</p> <hr/> <p>Down- town Berlin</p>
Day 15: Wednesday, 24 January 2007		
<ul style="list-style-type: none"> • During the day 	<ul style="list-style-type: none"> • Departure of Winter School participants 	