

EGU General Assembly 2011
Programme Group Programme
EOS – Educational and Outreach Symposia

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Monday, 04 April

EOS01 – Geosciences Information for Teachers (GIFT) workshop – Orals

Convener: Carlo Laj

Room: 29

Chairperson: Carlo Laj

- 08:30–08:45 **WELCOME!** Tuija Pulkkinen or Donald Bruce Dingwell, EGU President or President-Elect.
PRACTICAL INSTRUCTIONS FOR THE WORKSHOP Carlo Laj (EGU Committee on Education)
 08:45–09:15 **EVOLUTION -- THE GEOLOGICAL POINT OF VIEW** Mathias Harzhauser (Vienna Museum of
 Natural History Vienna, Austria)
 09:15–10:00 **THE EVOLUTION OF SEGMENTATION** Guillaume Ballavoine Institut Jacques Monod
 (CNRS-Universite Paris Diderot Paris, France)

COFFEE BREAK

Chairperson: Herbert Summesberger

- 10:30–11:15 **THE HUMAN FOSSIL RECORD IN THE POSSESSION OF THE NATURAL HISTORY MUSEUM**
 VIENNA Maria Teschler-Nicola (Natural History Museum Vienna, Austria)
 11:15–12:00 **"BACK TO THE TREES" OR HOW TO BUILD PHYLOGENETIC TREES WITH "PHYLOGEN"**
 Guillaume Dandrey, Paul Pillot and Jean-Luc Berenguer (Science teachers in Valbonne Sophia
 Antipolis, France)

LUNCH BREAK

Chairperson: Jean-Luc Berenguer

- 13:30–14:00 **Continue Lunch Break (sandwiches)**
 14:00–14:45 **THE DELICATE BALANCE BETWEEN CHICXULUB IMPACT AND/OR DECCAN TRAPS INDUCED**
MASS-EXTINCTIONS AT THE K-PG BOUNDARY Jan Smit (Free University Amsterdam, The
 Netherlands)
 14:45–15:00 **DISCUSSIONS AND POSTERS (IN ROOM 29)**
 Chairperson: Francesca Cifelli
 15:30–16:15 **THE EVOLUTION OF INSECTS: A TRIPLE JUMP TO SUCCESS** Gunter Bechly (State Museum of
 Natural History, Stuttgart, Germany)
 16:15–16:20 **BREAK**
 16:20–17:20 **ROUND TABLE QUESTIONS ON EVOLUTION TO OUR SPEAKERS** Moderator: Carlo Laj
 17:20–17:30 **INSTRUCTIONS FOR THE POSTER SESSION EOS03**

NH9.3/EOS10 – Natural Hazards Education, Communications and Science-Policy-Practice Interface (co-organized) – Orals

Convener: Bruce D. Malamud | Co-Conveners: Eric Lindquist, Maria-Carmen Llasat, Giorgio Boni, Juergen Weichselgartner

Room: 2

Chairperson: Bruce Malamud, Eric Lindquist, Maria-Carmen Llasat, Giorgio Boni, Juergen Weichselgartner

- 15:30–17:00 **Poster 2-3' Summaries and Discussion**

NH9.3/EOS10 – Natural Hazards Education, Communications and Science-Policy-Practice Interface (co-organized) – Posters

Convener: Bruce D. Malamud | Co-Conveners: Eric Lindquist, Maria-Carmen Llasat, Giorgio Boni, Juergen Weichselgartner

Halls X/Y | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: n.n.

- XY475 EGU2011-3401
Benjamin van Wyk de Vries, William Rose, Eliza Calder, and Alessandro Tibaldi
 INVOGE: International Geological Masters in Volcanology and Geotechniques: how we communicate to students, researchers and end-users in geosciences
- XY476 EGU2011-4250
Ángeles Llinares, José Manuel Marrero, Alicia García, and Ramón Ortiz
 Volcanic risk increasing due to the inaction of public institutions. The case of Tenerife, Canary Island. Spain.
- XY477 EGU2011-4447
 Pauline Texier, **Franck Lavigne**, Anais Perrillat-Collomb, Floriane Chouraqui, Jake Rom Cayad, and Jean-Christophe Gaillard
 Participatory Research as a Research-Practice Interface to Analyze Vulnerability and to Reduce Disaster Risk on Fogo Volcano, Cape Verde
- XY478 EGU2011-12101
Susanne Sargeant, David Kerridge, Peter Crichton, and Dominic Crowley
 Developing mechanisms to enhance relationships between earthquake scientists and the NGO community for disaster risk reduction
- XY479 EGU2011-13267
Marco Giardino and John J. Clague
 The geoNatHaz project: enhancing international Earth Science competence in Natural Hazards research by integration of traditional field-based activities a Geomatics techniques
- XY480 EGU2011-4828
Karoly Futaki
 \\textbf{Methodological background of the stakeholder involvement in the frame of Danube FLOODRISK project}
- XY481 EGU2011-8057
Steffen Link, Johann Stötter, Frederike Lanz, Rudolf Pollinger, Willigis Gallmetzer, and Pierepaolo Macconi
 Internal communication: Challenges and opportunities in the application of Hazard Zone Planning
- XY482 EGU2011-9924
Stefan Kienberger, Peter Zeil, and Diana Maria Contreras Mojica
 Science-Policy-Practice Interface from a geospatial perspective - Examples from European and African case studies
- XY483 EGU2011-6025
Dominik E. Reusser, Costa Luis, Förster Hannah, Lissner Tabea, Pape Christian, Pradhan Prajal, Sterzel Till, Weiß Tobias, Wrobel Markus, and Kropp Jürgen
 Communication of climate change induced natural hazards with a web platform
- XY484 EGU2011-10978
Maria-Carmen Llasat, Montserrat Llasat-Botija, and Jaume Guamis
 Risk perception and communication in Catalonia
- XY485 EGU2011-13902
Davide Miozzo, Marco Altamura, Luca Ferraris, Lucia Musso, and Franco Siccardi
 Legal aspects of the communication of risk predictions
- XY486 EGU2011-11967
Pierrick Nicolet, Frédéric Berger, Michel Jaboyedoff, Christian Gerber, and David Giorgis
 Representation problems of danger and "risk"
- XY487 EGU2011-9656
Satoko Oki, Kazuki Koketsu, Eiji Kuwabara, and Jiro Tomari
 Scientists' Communication on Disaster Sciences
- XY488 EGU2011-4896
Simone Frigerio, Thomas Glade, Jean-Philippe Malet, and Cees van Westen
 Geo Web Services and risk communication - the "Mountain Risks"
- XY489 EGU2011-9960
 Micol Todesco, **Augusto Neri**, Tomaso Esposti Ongaro, Elisabetta Tola, and Giulia Rocco
 È VIVO! In 3D (It's alive! In 3D - Virtual eruptions at Vesuvius in 3D): A short video to disseminate results from numerical simulation of pyroclastic flows
- XY490 EGU2011-9171
Aidan Slingsby, James Daniell, Jason Dykes, and Jo Wood
 Sharing insights on the impact of natural disasters using Twitter
- XY491 EGU2011-12055
Catherine O'Riordan, Emilie Lorditch, Chris Nicolini, and Devin Powell
 Communicating Natural Hazard Risks to the Public through TV and Internet News Programs
- XY492 EGU2011-13057
Lis Mortensen, Mads-Peter J Dahl, Heini Eysturoy, and Bjarni Petersen
 Construction of geohazard inventory for public roads on the Faroe Islands
- XY493 EGU2011-13909
Alessandro Leto
 Access to Water: a goal to foster Sustainable Development and to prevent water related natural disaster

XY494 EGU2011-2694

Emma Bee and Catherine Pennington

Vulnerability to Geological Hazards in the UK: A Spatial Data Perspective

Tuesday, 05 April

EOS01 – Geosciences Information for Teachers (GIFT) workshop – Orals

Convener: Carlo Laj

Room: 29

Chairperson: Angelo Camerlenghi

08:30–09:15 **YOU SAID...BIODIVERSITY?** Gilles Boeuf (Museum National de Sciences Naturelles Paris, France)

09:15–10:00 **WHY IS THE SEA SO DIVERSE?** Begona Vendrell-Simon and Josep-Maria Gili (Department of Marine Biology and Oceanography, ICM-CSIC Barcelona, Spain)

COFFEE BREAK

Chairperson: Annegret Schwarz

10:30–11:15 **THE EUROPEAN SPACE AGENCY AND THE INTERNATIONAL ENVIRONMENTAL CONVENTIONS**
Marc Paganini (Directorate of Earth Observation Programmes Science, ESA-ESRIN Frascati, Italy)

11:15–12:00 **NATURA 2000 IN SCHOOLS** Michael Altmoss (Office for Environment, Water Resources management and Trade Control (LUDW) Mainz, Germany)

LUNCH BREAK

Chairperson: Eve Arnold

13:30–14:15 **GEOBIOLOGY: CUTTING-EDGE RESEARCH THAT IS EXPANDING THE FRONTIERS OF SCIENCE (LIFE AROUND HYDROTHERMAL VENTS)** Elinor Bartle (Centre for Geobiology, University of Bergen Bergen, Norway)

14:15–15:15 **ROUND TABLE QUESTIONS ON BIODIVERSITY TO OUR SPEAKERS** Moderator Angelo Camerlenghi

Chairperson: Phil Smith

15:45–16:00 **FROM GIFT TO ECO-SCHOOLS: A WEB SITE TO WORK INTERNATIONAL PROJECTS** Laurence Durand (Biology and geology teacher Lycee Camille Saint-Saens Rouen, France)

16:00–16:05 **BREAK**

16:05–16:20 **INTERNATIONAL EARTH SCIENCE OLYMPIAD - IESO** Roberto Greco (Modena and Reggio Emilia University Modena, Italy)

16:20–16:30 **BREAK**

16:30–17:00 **EOS3 POSTER SESSION (also 17:30-19:00)**

EOS02/EG3 – Cultural and Political Impacts on Building Global Geoscience Human Capacity (co-organized) – Posters

Convener: Christopher Keane | Co-Conveners: Leila Gonzales, Sarah Gaines

Hall XL | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Christopher Keane

XL1 EGU2011-1799

Leila Gonzales and Christopher Keane

A Global View of the Geoscience Profession: Updates from the IUGS Taskforce on the Global Geoscience Workforce

XL2 EGU2011-2483

Wolfgang Eder and Eduardo de Mulder

The IYPE follow-on-initiative "Planet Earth Institute" (PEI)

XL3 EGU2011-3381

Benjamin van Wyk de Vries and Jean-Luc Le Pennec

International Geological education and development: perspectives from the LMV/IRD outreach programmes

XL4 EGU2011-10921

Meng Wang, Xuankui Hu, and Ziguao Hao

New Time for the Development of Young Generation in Geosciences from the view of Developing Country

EOS03/GD1.8/NH9.4/SM1.10/TS1.10 – Science in tomorrow's classroom (co-organized) – Posters

Convener: Phil Smith | Co-Conveners: Stephen Macko, Angelo Camerlenghi, Annegret Schwarz, Jean-Luc Berenguer, Eve Arnold

Hall XL | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Angelo Camerlenghi, Phil Smith

- XL5 EGU2011-13672
Eve Arnold, Friedrich Barnikel, Jean-Luc Berenguer, Anita Bokwa, Angelo Camerlenghi, Francesca Cifelli, Francesca Funiciello, Carlo Laj, Stephen Macko, Annegret Schwarz, Phil Smith, Herbert Summesberger and the Eve Arnold Team
Geoscience Information For Teachers (GIFT) Workshops at the European Geoscience Union
- XL6 EGU2011-1044
Alain Sarkissian and Jan Borm
International Master Arctic Studies at Versailles University
- XL7 EGU2011-1558
Roberto Greco
1st edition in Europe of International Earth Science Olympiad
- XL8 EGU2011-2238
Carla Cardano and Ambra Boscaro
Walking on a carpet of stars under the moonlight
- XL9 EGU2011-2309
Jean-Luc Berenguer, Françoise Courboux, and Audrey Tocheport
Tuned in to the Earth from the classroom with 'Sismos à l'Ecole'
- XL10 EGU2011-2319
Silvia Elisabeth Moraes
Building interdisciplinary thinking through thematic projects
- XL11 EGU2011-2536
Antoni Cassany
Biodiversity around us: El Saler (Valencia)
- XL12 EGU2011-3106
Pierluigi Stroppa
Complexity pays
- XL13 EGU2011-3130
Fulvia Bradassi, Francesco Cumani, and Guido Bressan
Ocean Acidification: a school experiment
- XL14 EGU2011-3137
Paul Denton and Aoife O'Mongain
School Seismology Experiences in the UK
- XL15 EGU2011-3153
Dario Carrea, Marc-Henri Derron, and Michel Jaboyedoff
Raising awareness of children for landslide hazard using analogical sand box simulation
- XL16 EGU2011-3251
Paul Pillot
Crystallographic models make geology clear
- XL17 EGU2011-4087
Niklas Wästeby
Research School for Teachers, an example from Sweden
- XL18 EGU2011-4108
Paola Arcaleni
Amphibians extinction risk A new learning and teaching methodology to preserve Biodiversity
- XL19 EGU2011-4176
Filippo Camerlenghi, Lezzani Giacomo, and Pasquare' Federico Aligi
Assessing the effectiveness of the GIFT Strategy: A BSc Dissertation on the 2010 Workshop
- XL20 EGU2011-4257
Sandrine Gayraud
Oceanides Project - from Venus to Neptune, oceanographic buoys
- XL21 EGU2011-4427
Dandrey Guillaume
The "Phylogen
- XL22 EGU2011-4856
Julie Boyle
Practical Lessons Based on Seismology and Meteorology

- XL23 EGU2011-5725
Michaela Poppe, Andreas Zitek, Michael Stelzhammer, Bert Bredeweg, and Susanne Muhar
How can we increase causal and structural system understanding in environmental science education? First evaluation results of a conceptual modelling software (DynaLearn) in Austria
- XL24 EGU2011-7427
Gerda Holzapfel and Florin Florineth
WASSERLEBEN - High school students, teachers, students and scientists together in action
- XL25 EGU2011-8260
Isabella Marini
Ferments of Life: barley, saliva and the enzyme idea.
- XL26 EGU2011-8282
Isabella Marini
A segment of purine metabolism: an experimental tool for important biochemical concepts.
- XL27 EGU2011-8297
Isabella Marini
Stress response and evolution
- XL28 EGU2011-9083
Britta Bookhagen, Agnes Mair, and Gertrude Zulka-Schaller
Teaching Geosciences at the Children's University Vienna and the Vienna Natural History Museum
- XL29 EGU2011-9351
Simona Safarcikova
Microbiology in practice: Are there really any live and active bacteria cultures in yogurts?
- XL30 EGU2011-9355
Laurence Durand and **Aline Desmorat**
Darwin, the man who dared ! Science and history project
- XL31 EGU2011-9356
Giulia Realdon and Roberto Greco
Selection and preparation of a national team for International Earth Science Olympiads (IESO): the Italian case
- XL32 EGU2011-9399
Begoña Vendrell and Josep-Maria Gili
Bringing the Ocean closer: an example of how to bind Research and Education and Outreach
- XL33 EGU2011-9437
Nicole Lengert
Training Communication and Method Skills to Enrich Scientific Education
- XL34 EGU2011-9540
Bernadette Walter
BIOVALLEY- COLLEGE NETWORK (BCN): Trination Network to Intensify the Teaching of Natural Science at Gymnasias Level in the trination region near Basel
- XL35 EGU2011-9670
Stephen Macko, Michael Tuite, and Matthew O'Connell
Enhancing Oceanography understanding with the experiences of "Captive Oceans"
- XL36 EGU2011-10593
Francisco Lopes, Lúcia Dias, Ana Bonifácio, Gonçalo Corigo, Tomás Ramos, and Marcos Rodrigues
A didactic model of a mountain glacier
- XL37 EGU2011-10752
Julie Bénard
A charter about the good use of water made by 2 classes of 13 years old pupils
- XL38 EGU2011-11060
Elisabeth Einarsson
Geology in school
- XL39 EGU2011-11720
Luciano Massetti, Francesca Ugolini, and Antonio Raschi
Teaching climate effects on plant growth in primary schools of rural areas
- XL40 EGU2011-11869
Anca-Catalina Marian and Aura-Cecilia Harceaga
Puzzle Universe
- XL41 EGU2011-12344
Guillermo Meléndez, Georgia Fermeli, Julia Escorihuela, and **Amelia Calonge**
Defining geotopes as educational tools in Earth Sciences: their use, valuation and protection
- XL42 EGU2011-12417
Roberta Johnson, Ardis Herrold, Missy Holzer, and Michael Passow
New Collaborative Strategies for Bringing the Geosciences to Students, Teachers, and the Public: Progress and Opportunities from the National Earth Science Teachers Association and Windows to the Universe

- XL43 EGU2011-12596
Margarida Agostinho and Guadalupe Jacome
SEDEC - from a European project to a teachers training course
- XL44 EGU2011-12659
Jean Pennycook
Engaging the K-12 community in Adelie Penguin and climate change research using the internet to provide a virtual field trip to Cape Royds, Ross Island, Antarctica.
- XL45 EGU2011-12684
Tomas Miler and Jindriska Svobodova
Climate literacy for upper primary teachers
- XL46 EGU2011-12690
John Moore
To Observe the Earth and Visualize the Future
- XL47 EGU2011-12703
Buffy Cushman-Patz
GRUVEE Broad Impacts: Elements of a Successful Teacher at Sea Experience
- XL48 EGU2011-13178
Beatriz Oliveira and Raquel Costa
Portuguese "Teacher on Board"
- XL49 EGU2011-13184
frederique meunier
biodiversity: yesterday and today
- XL50 EGU2011-13189
Elisabeta Niculescu
Interdisciplinary teaching about crystals
- XL51 EGU2011-13249
Georgia Fermeli, Fritz Steininger, Guillermo Meléndez, Michael Dermitzakis, Amelia Calonge, Carolina D'Arpa, Carolina Di Patti, Anastasia Koutsouveli, Carlos Neto de Carvalho, and Joana Rodrigues
Geoschools - Teaching geosciences in secondary schools
- XL52 EGU2011-13487
Philippe Ailleris
Observed a mysterious aerial event that you can't explain? The UAP Observations Reporting Scheme as a tool for demystifying UFOs and stimulating interest in science
- XL53 EGU2011-13668
Laura Lukes
Combining virtual and real field environments using Google Earth to engage both teachers and students in polar science
- XL54 EGU2011-13950
Phil Smith and Carol Hince
The Teacher Scientist Network - best practice in local partnerships
- XL55 EGU2011-13953
Francisca Guerola and Alicia Miralles
Investigative project: Evolution
- XL56 EGU2011-14085
Costantina Cossu
Science CLIL - water and marine ecosystem

Wednesday, 06 April

EOS01 – Geosciences Information for Teachers (GIFT) workshop – Orals

Convener: Carlo Laj

Room: 29

Chairperson: Steven Macko

08:30–10:00 **UNDERSTANDING EVOLUTION HANDS-ON ACTIVITIES Jennifer Skene (Lawrence Hall of Science, University of California Berkeley, USA)**

COFFEE BREAK

Chairperson: Carlo Laj

10:30–11:00 **UNDERSTANDING EVOLUTION (CONTINUED)**

11:00–12:00 **ANTARCTIC PENGUINS AND CLIMATE CHANGE Yvon Le Maho (Institut Pluridisciplinaire Hubert Curien University of Strasbourg and CNRS Strasbourg, France)**

12:00–12:30 **Conclusions and writing evaluation**

EOS04 – Contemporary Education in a Changing World – Orals

Convener: Ana Maria Targuis | Co-Conveners: Edith Perrier, Ruth Falconer, Rosa Benito, Encarnación Taguas, Anne Gobin, Rosa María González-Tirados, EVA VIDAL VÁZQUEZ, Mauro Messerotti, Jose Carlos Gonzalez-Hidalgo

Room: 29

Chairperson: Jose Manuel Antón

13:30–13:45 EGU2011-5131

Rosa Maria González-Tirados and Silvia Medina

Experimental Learning Styles: Results in Engineering and Architecture

13:45–14:00 EGU2011-10281

John Isaacs, Ruth Falconer, Daniel Gilmour, and David Blackwood

Visualisation & Modelling for Stakeholder Education in Sustainable Water Treatment

14:00–14:15 EGU2011-5079

Leonor Rodriguez-Sinobas and Raul Sanchez Calvo

Encouraging the learning of hydraulic engineering subjects: methodological proposals and evaluation of preliminary results

14:15–14:30 EGU2011-13764

Janos Mika and Ilona Pajtók-Tari

Ideas and practices for education of and by climate change

14:30–14:45 EGU2011-6911

Rosa M. Benito, Juan C. Losada, Francisco J. Arranz, and Luis Seidel

Interactive methodology based in e-learning to help the engineering students to understand concepts and practices

14:45–15:00 EGU2011-2615

Martine Rutten

A POGIL-based approach to teaching engineering Hydrology

Chairperson: Encarnación Taguas

15:30–15:45 EGU2011-2878

Michael Mayer

Improvement of sustainability in learning using a forum-based blended learning competition approach

15:45–16:00 EGU2011-11447

Jose María Del Alamo, Felix Cuadrado, Pedro Malagón, José Ignacio Fernandez Malagón, Rubén Traperro Burgos, and Rosa M. González-Tirados

Tutors of Final Project Degree Profile Analysis in Telecommunications

16:00–16:15 EGU2011-13206

Mauro Messerotti, Anna Gregorio, Alessandro Cuttin, Mario Fragiaco, Sergio Carrato, and The AtmoCube Development Team

AtmoCube: a nanosatellite project as an effective educational framework

16:15–16:30 EGU2011-9250

Jorge Paz-Ferreiro and Eva Vidal Vázquez

Geostatistics in Soil Sciences, Agronomy and Environmental Sciences

16:30–16:45 EGU2011-12129

Jenny Gilford, Ruth Falconer, Rebecca Wade, and Kenneth Scott-Brown
Promoting Interest in Soil Sustainability Issues Using Interactive Virtual Environments

16:45–17:00 EGU2011-13240

Cristina Aguilar, Encarnación Taguas, and María José Polo
Integration of ICT tools in an Engineering Postgraduate Master Program

EOS04 – Contemporary Education in a Changing World – Posters

Convener: Ana Maria Tarquis | Co-Conveners: Edith Perrier, Ruth Falconer, Rosa Benito, Encarnación Taguas, Anne Gobin, Rosa María González-Tirados, EVA VIDAL VÁZQUEZ, Mauro Messerotti, Jose Carlos Gonzalez-Hidalgo

Hall XL | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Rosa Maria Gonzalez-Tirados

XL1 EGU2011-1626

Kakha Nadiradze and Nana Phirosmnashvili
Climate Change, Agriculture and Food Crisis and correlations

XL2 EGU2011-9320

Heather Short
Positive feedbacks: using simple systems diagrams, the Himalayas, and ice core oxygen isotope data to introduce first-year college students to the complexities of Earth's climate system

XL3 EGU2011-13412

hossien sharifan
Investigation of Equations for Actual ET in Salinity Conditions (wet Climate)

XL4 EGU2011-9832

María Angeles Mendiola and **Pedro Luis Aguado**
Implementation of one course in the Open Course Ware from of Polytechnic University of Madrid, Spain. (OCW-UPM)

XL5 EGU2011-13306

M Dolores Redel Macías, Ramón Lara Raya, and **Encarnación Taguas**
Collaborative learning in electronic engineering

XL6 EGU2011-13234

Gabriel Gascó, José Manuel Fidalgo, and Ana Méndez
Advances in the organic waste management: Links between research, society and education

XL7 EGU2011-13325

hossien sharifan
Teaching Actual Evaluation of Tomato by Epan In Wet Climate

XL8 EGU2011-13198

hossien sharifan
Evaluation of Salinity effect on Water Temperature In Wet Climate

XL9 EGU2011-11509

Augusto Arce, Ana Maria Tarquis, Javier Caniego, Jesus Vazquez, Augusto Serrano, and Maria Carmen Cartagena
New Titles Implementation in the Framework of European Higher Education Area at E.T.S. Ingenieros Agrónomos of Madrid: Education Planning

XL10 EGU2011-13763

Janos Mika, Ildiko Dobi, and Anett Ivady
Circulation conditions of strong heat island in Budapest, with applications in weather forecasting and climate impact studies

XL11 EGU2011-12077

Jose M Anton, Juan B Grau, Ana M Tarquis, Rubén Moratiel, Silvia Medina, Fabregat Joaquin, Sánchez Elena, and Andina Diego
Survey and brain storming studies about machines, constructions, human and environmental risk consideration in the careers of the Universidad Politécnica of Madrid

XL12 EGU2011-4651

Emilio Camacho, Sergio Castro, Alfonso García-Ferrer, Rosa Gallardo, Blanca Pizarro, and **Encarnación V. Taguas**
Inter-generational experiences for encouraging the students of the first course of Agronomist and Forestry Engineering degrees

XL13 EGU2011-6090

Eva Vidal Vázquez and **Jorge Paz-Ferreiro**
The role of soil classification in basic soil science disciplines

XL14 EGU2011-11931

Eva Vidal Vázquez, **Rafael Montanari**, and Jorge Paz-Ferreiro
Darwin's contribution to Soil Biology

- XL15 EGU2011-13612
María José Polo, Marta Egüen, and Cristina Aguilar
 Content structure and program development in “Transport and mixing in fluid flow
- XL16 EGU2011-13815
Emilio Camacho, Sergio Castro, Alfonso García-Ferrer, Rosa Gallardo, Blanca Pizarro, and Encarnación Taguas
 Exploring the “employability expectations

OS4.8/EOS09 – Ocean Science Outreach and Education (co-organized) – Posters

Convener: Vinca Rosmorduc | Co-Conveners: Joachim Dengg, Danielle De Staerke, Margaret Srinivasan, Valborg Byfield

Halls X/Y | Display Time 08:00–19:30

Author in Attendance: 15:30–17:00

Chairperson: Vinca Rosmorduc

- XY653 EGU2011-1379
Albert Gerdes
 Marine Science on YouTube - The Role of Video Documentaries in Outreach and Education
- XY654 EGU2011-1111
Chi-Min Liu and I-Chun Chen
 Taiwan's experience in ocean education at the level of junior high school: a textbook-editing project of MEEP
- XY655 EGU2011-4524
Joachim Dengg and Sally Soria-Dengg
 Outreach in Ocean Sciences as a Direct Contribution to Education
- XY656 EGU2011-5137
Vinca Rosmorduc, Jérôme Benveniste, Émile Bronner, and Sander Niemeijer
 Basic Radar Altimetry Toolbox: tools to teach altimetry
- XY657 EGU2011-8822
Jennifer Skene, Catherine Halversen, and Lynn Uyen Tran
 The Communicating Ocean Sciences Network: Universities, Oceanographic Institutions, Science Centers, Aquariums, and Schools Working Together to Improve Education and Public Outreach Efforts
- XY658 EGU2011-9209
Sally Soria-Dengg and Joachim Dengg
 Bringing the Ocean to the Classroom
- XY659 EGU2011-12816
Danielle De Staerke, Vinca Rosmorduc, and Annie Richardson
 ARGONAUTICA, an educational project using satellite data to understand the ocean change and its effects on marine animals.
- XY660 EGU2011-13261
Katrin Knickmeier
 Public Outreach - School program with multimedia presentation about climate change in the Arctic

Thursday, 07 April

EOS06/BG1.14/CL5.1/ERE5.4 – Modern Climate Science Education and Communications (co-organized) – Orals

Convener: Klaus Grosfeld | Co-Conveners: Annette Ladstaetter-Weissenmayer, Eva-Maria Pfeiffer, Oliver Dilly

Room: 29

Chairperson: n.n.

- 08:30–08:45 EGU2011-8969
Christina Klose and Dierk Hebbeln
The Bremen International Graduate School for Marine Sciences - GLOMAR
- 08:45–09:00 EGU2011-13164
Eva-Maria Pfeiffer, Detlef Stammer, Oliver Dilly, and **Hermann Held**
Interdisciplinary MSc and Doctoral Education in Climate System Science at the University of Hamburg
- 09:00–09:15 EGU2011-11972
Marianela Fader, **Andreas Hilboll**, Florian Rauser, and Sebastian Sonntag
Presenting Young Earth System Scientists (YESS) - a new network for new scientists
- 09:15–09:30 EGU2011-7511
Heike Huebener
Regional environmental agencies as facilitators for communicating climate change information
- 09:30–09:45 EGU2011-5766
Kirsti Jylhä and Reija Ruuhela
Visualization of climate change information - feedback from web page visitors
- 09:45–10:00 EGU2011-9511
Jennifer Lenhardt, Richard W. Müller, Uwe Pfeifroth, and the EURO4M team
The EURO4M project: Improving climate data products and services by interacting with climate data users

EOS06/BG1.14/CL5.1/ERE5.4 – Modern Climate Science Education and Communications (co-organized) – Posters

Convener: Klaus Grosfeld | Co-Conveners: Annette Ladstaetter-Weissenmayer, Eva-Maria Pfeiffer, Oliver Dilly

Hall Z | Display Time 08:00–19:30

Author in Attendance: 17:30–19:00

Chairperson: Klaus Grosfeld

- Z1 EGU2011-10213
Lorenz Martin, **Christoph Raible**, and Martin Grosjean
The Graduate School of Climate Sciences, University of Bern
- Z2 EGU2011-9833
Klaus Grosfeld, Gerrit Lohmann, Annette Ladstätter-Weissenmayer, John Burrows, Claudia Sprengel, Claudia Hanfland, Jelle Bijma and the joint ESSReS-PEP-POLMAR Team
ESSReS-PEP-POLMAR, an international and interdisciplinary postgraduate education concept on Earth and Environmental Sciences
- Z3 EGU2011-6623
Avan Antia, Kerstin Hoffmann, and Angelika Hoffmann
Education for
- Z4 EGU2011-13047
Antje Weitz and Bjorn Stevens
Structured supervision of doctoral studies in the IMPRS-ESM
- Z5 EGU2011-12028
Enrica Caporali, Elena Palmisano, and Juna Valdiserri
Enhancing Environment Education in Eastern Europe
- Z6 EGU2011-8395
Susanne Pfeifer, Hinnerk Ries, and Daniela Jacob
From regional climate models to climate change impact assessment: data support and demand
- Z7 EGU2011-11195
Peter Lemke, **Klaus Grosfeld**, Marietta Weigelt, Renate Treffeisen and the REKLIM Speakers Team
Climate Initiative Regional Climate Change (REKLIM), from climate simulation to climate advice
- Z8 EGU2011-12369
Hinnerk Ries, Daniela Jacob, and Richard Schmitt
Perceived temperature as an indicator for extreme events
- Z9 EGU2011-12901
hossien sharifan, Mona Saffar, A.Ahmad Dehghani, and Mohsen Tahmasebi
Investigation of Water temperature effects on Evaporation from of Salt Water Surfaces

Z10 EGU2011-12779
hossien sharifan, Mehry Abdi, and Afsaneh Asady
Forecasting of annual precipitation in Different Regions

Friday, 08 April

HS1.2/EOS08 – Challenges for Future Hydrology Education in a Changing World (co-organized) – Orals

Convener: Bellie Sivakumar | Co-Conveners: Stefan Uhlenbrook, Eduardo Mendiondo, Kevin J. McGuire, Graham Jewitt

Room: 39

Chairperson: Bellie Sivakumar

- 15:30–15:45 EGU2011-4429
Thorsten Wagener, Brian McGlynn, Michael Gooseff, Kevin McGuire, Lucy Marshall, Tom Meixner, Christa Kelleher, and Susan Gregg
 Towards a coherent, holistic and evolving approach to hydrology education
- 15:45–16:00 EGU2011-12820
Sally E. Thompson, Ciaran J. Harman, Rina Schumer, Jennifer Wilson, and Murugesu Sivapalan
 Hydrologic Science for a Changing World: A Learning Framework Based on Hydrologic Synthesis and Team Science
- 16:00–16:15 EGU2011-5191
Bellie Sivakumar
 Hydrology education in a changing world: challenges and future directions
- 16:15–16:30 EGU2011-13851
Stefan Uhlenbrook and Erick de Jong
 How to educate hydrologists that are effective in an ever changing world ?
- 16:30–16:45 EGU2011-9010
Jan Seibert
 Water is fun! - Experiments and games as part of hydrological learning
- 16:45–17:00 EGU2011-3430
Guenter Bloeschl, Christian Bucher, Gemma Carr, Andreas Farnleitner, Helmut Rechberger, Wolfgang Wagner, and Matthias Zessner
 The Vienna Doctoral Programme on Water Resource Systems: Achievements and challenges of an interdisciplinary research and education programme
- 17:00–17:15 EGU2011-10176
Graham Jewitt
 Hydrology education and research in developing countries: Lessons from southern Africa

HS1.2/EOS08 – Challenges for Future Hydrology Education in a Changing World (co-organized) – Posters

Convener: Bellie Sivakumar | Co-Conveners: Stefan Uhlenbrook, Eduardo Mendiondo, Kevin J. McGuire, Graham Jewitt

Hall A | Display Time 08:00–17:00

Author in Attendance: 08:30–10:00

Chairperson: Eduardo Mario Mendiondo

- A172 EGU2011-7921
Vinayakam Jothiprakash and Bellie Sivakumar
 Hydrology Education in India
- A173 EGU2011-7170
 Eduardo Mario Mendiondo, **Dulce B B Rodrigues**, Irene M C Pimentel, Jose A Marengo, and Pedro F Caballero
 Participatory-based Hydrology Education as Adaptation Strategy of Water Resources under Global Changes

SSS7.1/EOS11 – New, original and successful ideas for teaching Earth Sciences / EOS (co-organized) – Orals

Convener: Artemi Cerdà | Co-Conveners: Elena Sparrow, Tim Stott, Vincent C H Tong, Joseph Liddicoat, Laura Cobden

Room: 6

Chairperson: Elena B. Sparrow and Laura Cobden

- 13:30–13:45 EGU2011-14116
Félix Ángel González Peñaloza
 Geographical Information Systems in Higher Education Studies in Spain. Challenges for a new generation of students after the Bologna Agreement
- 13:45–14:00 EGU2011-1136
Wolfgang Schlager
 Earth's layers and their cycles as a framework for teaching geosciences
- 14:00–14:15 EGU2011-1165
Alejandro Aguilar Sierra
 Visual Learning for Earth Sciences Education

- 14:15–14:30 EGU2011-13958
Vincent C H Tong
Linking equations to scientific concepts in geosciences: A novel combined use of online polling and lecturing
- 14:30–14:45 EGU2011-13001
Joseph Liddicoat
Issue-centered Earth Science undergraduate instruction in U.S. colleges and universities
- 14:45–15:00 EGU2011-13042
Erika Vye, William I. Rose, and Mark Klawiter
Sense of place and partnering with the National Park Service - Innovative ideas for teaching Earth Science
- Chairperson: Vincent C. H. Tong and Joseph Liddicoat
- 15:30–15:45 EGU2011-9505
Elena B. Sparrow, Martha R. Kopplin, Leslie S. Gordon, Sheila Yule, Rebecca Boger, and Kim Morris
Integrating Research in Earth System Science Education
- 15:45–16:00 EGU2011-5820
Aldo Zollo, Jean-Luc Berenguer, Antonella Bobbio, Francoise Courboux, Paul Denton, Stefano Solarino, and Anne Sornette Sauron
The European experience of educational seismology
- 16:00–16:15 EGU2011-13949
Laura Cobden and Jeannot Trampert
Incorporating scientific research into undergraduate courses: A hands-on approach
- 16:15–16:30 EGU2011-3782
Gillian Foulger
The mantle plumes debate in the classroom
- 16:30–16:45 EGU2011-1244
Dolores Pereira, Luis Neves, Carlos González Neila, Marta Septien, and María Manteca
Student's final year projects: an opportunity to link research and teaching
- 16:45–17:00 EGU2011-9263
Matteo Cattadori
The I-CLEEN Project (Inquiring on CLimate & ENergy). Enhancing an enquiry-based approach to Earth System Science in Italian classrooms

SSS7.1/EOS11 – New, original and successful ideas for teaching Earth Sciences / EOS (co-organized) – Posters
 Convener: Artemi Cerdà | Co-Conveners: Elena Sparrow, Tim Stott, Vincent C H Tong, Joseph Liddicoat, Laura Cobden
Hall Z | Display Time 08:00–17:00
 Author in Attendance: 08:30–10:00
 Chairperson: Artemi Cerdà

- Z85 EGU2011-312
Denis Zhilin
Involving Pupils in Geoscientific Researches: Russian Experience
- Z86 EGU2011-1014
Artemi Cerdà and Félix Ángel González-Peñaloza
Teaching Geography to young (ERASMUS) and old (NAUGRAN) students. Why not mix in the same class?
- Z87 EGU2011-1621
Nikolaus J. Kuhn
Teaching with Tolkien: environmental analysis of a fantasy world
- Z88 EGU2011-1642
Matteo Cattadori and Fabio Florindo
The seeds left in Italy by the educational program of the ANDRILL (ANtartic geological DRILLing) research
- Z89 EGU2011-2531
Constance Bornkamp, Jürgen Schmidt, Marcus Schindewolf, Stefan Bornkamp, Thomas Gründemann, and Anja Träber
New 3D lenticular maps for teaching earth and environmental sciences
- Z90 EGU2011-4105
Mónica Alexandra Rodrigues, Maria Helena Pina, Ana Monteiro, and Alina-Mihaela Luchian
Geography in the Physics Classroom - An Interdisciplinary Approach
- Z91 EGU2011-4887
Lucia Dias, Catarina Diniz, Claudia Corniciuc, Duarte Gomes, and Sofia Arvela
Palynology at School
- Z92 EGU2011-4963
Jose Damian Ruiz Sinoga, Paloma Hueso Gonzalez, and Asunción Romero Diaz
Experimental plot system for soil recovery in southern Spain.

- Z93 EGU2011-5304
Jeffrey Ryan
 Facilitating student education and professional development through intensive in-classroom investigations using remotely operable microbeam instrumentation
- Z94 EGU2011-6122
Rui Neves, Maria C. Neves, and Vítor Duarte Teodoro
 Improving Learning Processes in Meteorology with Computational Modelling
- Z95 EGU2011-6212
Jakob Abermann, Jay Fleisher, and William Dittrich
 The Juneau Ice Field Research and education program
- Z96 EGU2011-6874
 Alexander Cernusca, Federico Fillat, Daniel Gómez, Neil Bayfield, and **David Badía-Villas**
 Interdisciplinary field approach to teach Environmental Sciences. The biggest ecological gradient in S-Europe as scenario.
- Z97 EGU2011-12773
Jose Damian Ruiz Sinoga and Asuncion Romero Diaz
 Voracious urbanization as accelerator of soil degradation. (Spain South). Techniques for the assessment of soil degradation processes.
- Z98 EGU2011-13952
Vincent C H Tong
 Research seminars: pedagogical issues and solutions
- Z99 EGU2011-4510
Rachmat Sule, Eko J. Wahyudi, Wawan G. A. Kadir, Djoko Santoso, and Tri Hartono
 Learning Basic Geophysical Methods in a Mélange Geological Complex
- Z100 EGU2011-8464
Rosella Nave, Sandro de Vita, Mauro Antonio Di Vito, and Marcello Martini
 MOVE: the new Earth Sciences Museum of Vesuvius Observatory (Naples, Italy)
- Z101 EGU2011-8744
Jialin Lin
 The tropical biases in IPCC AR4 climate models
- Z102 EGU2011-10972
Giuliana D'Addezio, Antonella Marsili, Ingrid Hunstad, Pierfrancesco Burrato, Paolo Casale, Massimiliano Vallocchia, Umberto Fracassi, and Guido Ventura
 Seismic waves and acoustic waves: from earthquake to music
- Z104 EGU2011-11982
Rosella Nave, Marco Anzidei, Antonio Caramelli, Giovanni Coppini, Giuliana D'Addezio, Graziano Ferrari, Francesco Frugoni, Alessandra Maramai, Fabio Sansivero, and Stefano Solarino
 "Dynamic Mediterranean
- Z105 EGU2011-11145
 Kornelija Špoler ?ani?, **Dubravka Rasol**, Kristian Horvath, and Krešimir ?ani?
 Little meteorologist - workshop and booklet for pupils

