The educational programs of the European Geosciences Union (EGU)

Carlo Laj
Chairman, Committee on Education

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The Committee on Education of EGU was created in 2002 with the purpose of developing educational activities at EGU.

1) Geosciences Information for Teachers (GIFT) workshops

2) Educational session at EGU General Assemblies (teachers and scientists and sciences educators)

3) GIFT Distinguished lectures

4) EGU-UNESCO-ESA GIFT workshop Port Elizabeth

5) GIFT Workshops Alexander von Humboldt topical Conferences.
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3) Gift Distinguished Lectures series

4) Teachers at sea

5) Foster collaborations between schools
GIFT workshops: two-and-a-half-day teacher enhancement workshops held in conjunction with EGU's annual General Assembly.

Selected top-level scientists working in the field of Earth Science will offer the invited teachers talks centered on a different theme every year.

Main objectives:

- to spread first-hand scientific information to science teachers of primary and secondary schools, significantly shortening the time between discovery and textbook,

- to provide the teachers with material that can be directly transported to the classroom,

- to stimulate curiosity towards scientific research that the teachers will transmit to their pupils via full immersion of science teachers in a truly scientific context (EGU General Assemblies) and direct contact with world leader geo-scientists.
http://gift.egu.eu/gift-symposia.html

2009
Topic: The Earth from Space
Programme   Presentations   Brochure Web Conferences

2008
Topic: The Carbon Cycle
Programme   Presentations   Brochure

2007
Topic: Geosciences in the city
Programme   Presentations   Brochure

2006
Topic: The Polar Regions
Programme   Presentations   Brochure

2005
Topic: The History of the Earth
Programme   Presentations   Brochure
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**GIFT - 2005**

*The History of the Earth*

Geophysical Information for Teachers Workshop
Vienna, Austria, 26-27 April 2005
http://gift.egu.eu/gift-symposia.html

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GIFT - 2006

**The Polar Regions**

Geophysical Information for Teachers Workshop
Vienna, Austria, 3-5 April 2006
GIFT - 2010
« Energy and sustainable development »
GIFT - 2011
Evolution and Biodiversity

Geosciences Information for Teachers Workshop
Vienna, Austria, 3-6 April 2011
Typically:

80 participants

20 countries

8-9 conferences

2 half-days practical works with ESA experts

4 oral teacher-to-teachers communications

40-45 teachers’ posters

1 visit to local institutions in Vienna (UNOOSA, IAEA…)

Visit and reception at the Vienna Museum of Natural History
Press Release: Applications open for EGU 2016 Science Journalism Fellowships (up to €5k)

The European Geosciences Union (EGU) is now accepting applications for the 5th edition of its Science Journalism Fellowship competition. The fellowships enable journalists to follow scientists on location to report on ongoing research in the Earth, planetary or space sciences. Successful applicants receive up to €5000 to cover expenses related to their projects. The deadline for applications is 6 December. [Read more]
Welcome to the EGU's Education section! Here you can find information about EGU's educational initiatives, including:

- Geosciences Information for Teachers (GIFT) workshops
- Planet Press – geoscientific news for children
- Teacher's Corner – teaching resources in the geosciences
- GeoLocations Database – geological locations across Europe
- I'm a Geoscientist – engagement event connecting school students and geoscientists

You can also access the contact details of the EGU Committee on Education on this page.

News

- Geosciences Information for Teachers (GIFT) Workshop - Topic: The Solar System and beyond
  The GIFT-2016 will take place in Vienna, April 18-20 2016, during the General Assembly of the European Geosciences Union. The theme of this workshop, organized in close cooperation with the European Space Agency (ESA) is « The Solar System and Beyond ». During two and a half days, the workshop will explore the major characteristics of the solar system with the latest information gathered from recent space exploration using man-made satellites and give also the latest theories on the formation of the solar system. Special attention will be paid to the Moon and to Mars. [ Read more ]

- GIFT Distinguished Lectures Series - Call for Proposals
  The EGU Committee on Education is going to inaugurate an annual series of Geosciences Information for Teachers (GIFT) Distinguished Lectures, to be given by top scientists who have previously participated as speakers in GIFT workshops during EGU General Assemblies. High school teachers, high school directors and educators for teachers from the European area are welcome to request a lecture, for which the EGU Committee on Education will cover the travel and subsidise the costs of the speaker. [ Read more ]
GIFT – Geosciences Information For Teachers

The EGU Committee on Education has organised Geosciences Information for Teachers (GIFT) Workshops since 2003. These are 2.5 day teacher enhancement workshops held in conjunction with EGU’s annual General Assembly. There, selected top-level scientists working in the Earth Sciences offer the invited teachers talks centered on a different theme every year.

The main objective of the GIFT workshops is to spread first-hand scientific information to science teachers of primary and secondary schools, significantly shortening the time between discovery and textbook, and to provide the teachers with material that can be directly transported to the classroom. In addition, the full immersion of science teachers in a truly scientific context (EGU General Assemblies) and the direct contact with world leading geoscientists are expected to stimulate curiosity towards scientific research that the teachers then transmit to their pupils.

Aims & Scope

The EGU Geosciences Information for Teachers (GIFT) Programme offers teachers of primary school to high school the opportunity to upgrade their knowledge in geophysical themes and to shorten the time between new discoveries and textbook information.

The Programme includes three different activities:

- The GIFT Workshop:
  Organised at each EGU General Assembly, this symposium combines presentations on current research by leading scientists with hands-on activities presented by science educators for about 100 invited teachers.

- The Fall Meeting:
  Organised over a long weekend, this workshop brings together representatives of the European funded and the international "science and education" programmes on selected topics to prepare the next EGU GIFT Symposia.

- The GIFT Home Site:
  Organised as open platform for all national, European or international "science and education" programmes, scientists interested in sharing their results with educators, and teachers interested in bringing the geosciences into the class rooms.
GIFT Workshops

2015  GA 2015 GIFT Workshop
Austria Center Vienna, Vienna, Austria, 12-15 April 2015
Topic: Mineral Resources

Presentations
- Brochure (PDF, 3.0 MB)
- Web Streaming

2014  GA 2014 GIFT Workshop
Austria Center Vienna, Vienna, Austria, 27-30 April 2014
Topic: Our changing Planet

Presentations
- Brochure (PDF, 6.7 MB)
- Web Streaming

2014  Istanbul 2014 GIFT Workshop
Istanbul, Turkey, 27-28 March 2014
Topic: High Impact Natural Hazards Related to the Euro-Mediterranean Regions

Presentations
- Brochure (PDF, 2.9 MB)

2014  2014 UNESCO-EGU-ESA GIFT Africa Workshop
Port Elizabeth, South Africa, 26-28 February 2014
Topic: Climate Change and Human Adaptation

Presentations
- Brochure (PDF, 2.3 MB)

2013  GA 2013 GIFT Workshop
Austria Center Vienna, Vienna, Austria, 07-10 April 2013
Topic: Natural Hazards

Presentations
- Brochure (PDF, 6.7 MB)

2012  Cusco 2012 GIFT Workshop
Mineral deposits – where do they come from and how did they get there?
Laurence Robb
Department of Earth Science, University of Oxford, UK
Presentation (PDF, 9.4 MB)
GIFT WORKSHOP – 2015

MINERAL DEPOSITS
WHERE DO THEY COME FROM AND HOW DID THEY GET THERE?

Laurence Robb
Dept of Earth Sciences, University of Oxford
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Geoscience Information For Teachers Workshop 2015:
MINERAL RESOURCES

MINERAL DEPOSITS

April 12-17, 2015
GIFT WORKSHOP 2015
Vienna, Austria
EGU General Assembly 2015
Austria Center, Vienna
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Alexander von Humboldt Conferences

The Alexander von Humboldt Conference Series of the European Geosciences Union are a series of meetings held outside of Europe, in particular in South America, Africa or Asia, on selected topics of geosciences with a socio-economic impact for regions on these continents, jointly organized with the scientists and their institutes/institutions of these regions.
RAINBOW AT THE POLAR CIRCLE

THE END