European Schoolnet

Xplora science teachers conference 2006

AGENDA
XPLORA SCIENCE TEACHERS CONFERENCE
CERN 15TH - 18TH JUNE 2006

The conference is organized within the PENCIL project (Permanent European resource Centre for Informal Learning), a large scale European project, supported by the European Commission's Directorate General for Research as part of Science and Society, to develop and test innovative methods for science teaching via many pilot projects.

Xplora, together with Ecsite, other 14 science museums, 2 universities and a teacher training institute all around Europe, are partners in the Pencil project, to promote science education among young people.

The conference is hosted by CERN, which is one of the 7 large European Intergovernmental Research Organisations (EIROs) sponsoring the 'European Science Teaching Initiative (ESTI)', together with the European Commission. The ESTI project aims at bringing frontier science into schools, and includes the bi-annual 'Science On Stage' teacher festivals in 29 European Countries, as well as the new 'Science In School' journal.

Thursday, 15th June 2006

18:30 Check in at CERN and conference registration

19:00 Welcome dinner at CERN terrasse

21:00 Bus transfer to hotels

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Friday, 16th June 2006

8:00 Bus transfer from Hotels to CERN

9:00-9:30 Amphitheatre - Welcome
- Welcome to the conference (Ulf W. Lundin, European Schoolnet)
- Welcome to CERN (Maximilian Metzger, Secretary General, CERN)
- Welcome address from ECSITE (Catherine Franche, ECSITE)

9:30-10:00 Amphitheatre - Raising interest for science
- The need for science in society (Stephen Parker, European Commission)

10:00-10:30 Amphitheatre - ICT in science education
- ICT in Science - Challenges in Developing Nations (Dr. Martina Roth, Intel Corp.)

10:30-11:00 Coffee break at the exhibition space

11:00-12:00 Amphitheatre - ICT in science education
- New Media ready to Serve for Science (Boris Goldberg for Siemens AG)
- Exploring scientific instruments through ICT (Silvana Barbacci, IMSS)

12:00-13:00 Amphitheatre - International science teaching approaches
- CERNs commitment to public science education (Rolf Landua, CERN)
- Web experiments (Bodo Eckert, University Kaiserslautern)

13:00-14:00 Lunch

14:00-14:30 Amphitheatre - International science teaching approaches
- DSpace and CONNECT (Menelaos Sotiriou, Q-Plan)

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14:30-16:00 Amphitheatre - Informal learning in science
- ECSITE's role in science education (Catherine Franche, ECSITE)
- Science centres as partners of schools (Steven Vols, Technopolis)
- Xciters (Sheena Laursen, Experimentarium)

16:00-16:30 Coffee break at the exhibition space

16:30-18:00 Amphitheatre - Researchers in schools
- Science in School: a new European journal to promote inspiring science teaching (Eleanor Hayes, EMBL)
- Grid computing (Francois Grey, CERN)
- ESO's support of schools (Douglas Pierce-Price, ESO)

Free evening

We offer a free **shuttle service from CERN to hotels at 22:30** for participants returning from the free time activities to the hotels

Saturday, 17th June 2006

8:00 Bus transfer from Hotels to CERN

The arrangements of workshops could be rescheduled after participants selection, depending on the number of interested teachers.

List of workshops.

Workshop #	Workshop info

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Workshop #	Workshop info
1	Working with Xplora Knoppix: General introduction and practical exercises on the web experiment "Electron diffraction", Assimina Kontogeorgiou, Karl Sarnow, Xplora
2	Working with Xplora Knoppix: General introduction and DNA and gene technology, Jürgen Ganzer, Ivo Sir, Xplora
3	Working with Xplora Knoppix: General introduction and chemistry education, Lidia Minza, Laura Massoli, Xplora
4	Creating MOODLE courses in science, Bernat Martinez, Xplora
5	Media Collection "Ear, Hearing and Hearing Impairment", Susanne Flaschin, Siemens AG
6	Cinema and Science: CISCI - A new way to spark scientific interest in young people, Brigitte Pagana-Hammer, CISCI
7	Working with Xplora Knoppix: Open Source math software, Palmira Ronchi, Benito Bua, Ivan De Winne, Xplora
8	Using Xplora: General introduction and chats in nursery schools, Laura Massoli, Linda Giannini, Carlo Nati, Xplora
9	CERN Teacher Schools and Science on Stage - Practical outcomes including a computer based Bubble Chamber tutorial and demonstration of an easy to construct working cloud chamber, Rolf Landua, Mick Storr, CERN
10	GRID computing: Participating in actual research, Francois Grey, CERN
11	CONNECT: Connecting schools, science parks and museums, Stamatina Anastopoulou, Ellinogermaniki Agogi
12	Dspace: Connecting astronomy at school and research, Menelaos Sotiriou, Q-Plan

9:00-10:00   Workshop I

Room A	Room B	Room C
Working with Xplora Knoppix, General introduction and practcal excercises on the web experiment "Electron	Working with Xplora Knoppix: General introduction and DNA and gene technology	Working with Xplora Knoppix: General introduction and chemistry education

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Room A	Room B	Room C
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Participants change workshops

10:00-11:00   Workshop II

Room A	Room B	Room C
Creating MOODLE courses in science	Media Collection „Ear, Hearing and Hearing Impairment	Cinema and Science: CISCI - A new way to spark scientific interest in young people

11:00-11:30 Coffee break

Participants change workshops

11:30-12:30   Workshop III

Room A	Room B	Room C
Working with Xplora Knoppix: Open Source math software	Using Xplora: General introduction and chats in nursery schools	CERN Teacher Schools and Science on Stage -Practical outcomes including a computer based Bubble Chamber tutorial and demonstration of an easy to construct working cloud chamber

Participants change workshops

12:30-13:30   Workshop IV

Room A	Room B	Room C
GRID computing: Participating in actual research	CONNECT: Connecting schools, science parks and museums	Dspace: Connecting astronomy at school and research

13:30-13:45 Participants go from the Workshops Area to the Restaurant

13:45-14:45 Lunch

14:45-15:00 Participants go from the Restaurant to guided tour meeting point

15:00-16:30 Guided tour through CERN

16:30-16:45 Participants go from Guided tour area to Council Chamber

16:45-18:15 Council Chamber – SkyWatch 2006 award ceremony

18:15-18:30 Official closing and hand out of certificates of attendance

18:30-20:15 Good bye cocktail

20:30 Bus transfer from CERN to hotels

Sunday, 18th June 2006

9:00 Bus transfer from hotels to CERN and from CERN to the airport

Venue:	CERN Amphitheatre, Work shops
Time:	See agenda