Second European Conference on Primary Science and Technology Education

Science is Primary II - “Engaging the new generation”

October 15 –17, 2006

The Royal Swedish Academy of Sciences
Lilla Frescativägen 4 A, Stockholm

Program

Sunday, October 15

Session chaired by: Sven-Olof Holmgren, The Royal Swedish Academy of Sciences Sweden

12:30 Registration
(Display of posters starts at 12:00)

13:00 Welcoming Speech
Gunnar Öqvist, Permanent Secretary - The Royal Swedish Academy of Sciences

13:15 Conference introduction
Sven-Olof Holmgren, Chairman of the conference - Member of The Royal Swedish Academy of Sciences, Sweden

13:30 Science education: a priority to build the future
Edouard Brèzin, President of the Académie des sciences, France

13:45 European overview of primary science education and scientific career perspectives
José Mariano Gago, Minister for Science, Technology and Higher Education, Portugal

14:30 Coffee break

15:00 Defining and Teaching Scientific Inquiry: Past and Future
Norman G. Lederman - Professor, Illinois Institute of Technology, Chicago, The U. S.
Scienceduc is a project focused on the development of science teaching in European primary education with inquiry-type methods. The main objective is to disseminate best methods, techniques and practices on science teaching on primary schools through the establishment of a European network between 5 countries (Estonia, Hungary, France, Portugal and Sweden) in the frame of the formal education system. This project started on Nov 2004 and actions are scheduled over 2 years. The project sponsored by the European Commission and integrated to Nucleus cluster, a European science education initiative.

Links: Nucleus website: http://www.xplora.org
Monday, October 16

Session chaired by: Sven-Olof Holmgren, The Royal Swedish Academy of Sciences Sweden

8:30 Summary of previous day and expectations for second day.

8:45 Inquiry, evaluation and assessment in a primary class room
Judith Sweeney Lederman, Ph. D.
Director, Teacher Education, Illinois Institute of Technology, Chicago, The U.S.

9:45 Poster Session 1: “Inquiry, evaluation and assessment in a primary class room”
Session chaired by Dr. Judith Sweeney Lederman
- Ed van den Berg, AMSTEL Institute, Amsterdam, Netherlands
- Nada Razpet, Faculty of Education Koper and Ljubljana, Slovenia
- Sally Goetz Shuler, National Science Resources Center, Washington DC, The U.S.
- Questions and concluding remarks

10:25 Coffee break

11:00 Teacher support and training
Tina Jarvis, Ph. D., Director, Science Learning Centre, East Midlands, The U.K.

12:00 Poster Session 2: “Teacher support and training”
Session chaired by Dr. Tina Jarvis
- John CRIPPS CLARK, Deakin University/Hazlehead Academy, Australia, The UK
- Miia Rannikmäe, University of Tartu, ICASE, Estonia
- Ana Alexandra Valente Rodrigues, Rui Marques Vieira & Patrícia da Conceição Gomes do Nascimento, Department of Didactics and Educational Technology of University of Aveiro, Portugal
- Alexa Joyce, UNESCO Asia and Pacific Regional Bureau for Education, Bangkok, Thailand
- Questions and concluding remarks

12:40 Lunch

14:00 Engaging the new generation
Brenda Keogh, Ph. D. and Stuart Naylor, Ph. D.
Millgate House Publishing and Consultancy Ltd, Sandbach, the U.K.

15:00 Poster Session 3: “Engaging the new generation”
Session chaired by Drs. Brenda Keogh and Stuart Naylor
- Alberto Eduardo Morão Cabral Ferro, IST - Departamento de Engenharia de Materiais, Lisboa, Portugal
- Sonja Stuchtey, Fenita Dyckerhoff & Shadi Mueller-Menrad, Science-Lab, Germany
- Ana Gostincar Blagotinsek, Faculty of Education, University of Ljubljana, Slovenia
- Lorraine McCormack, CASTeL, Centre for Advancement of Science Teaching and Learning, Dublin, Ireland
- Questions and concluding remarks

15:40 Coffee break

16:10 Reports:
IAP Working Group on Evaluation of Inquiry-Based Science Education Programmes
Glenn Hultman, Ph. D., Professor, Linköping University, Linköping, Sweden

Pupil’s learning in science teaching
Jan Schoultz, Ph. D., Professor, Linköping University, Linköping, Sweden
18:00  **Adjournment**

18:15  **A tour of the Nobel Museum**
All the participants are invited to a tour of the Nobel Museum where a buffet dinner will be served.

*The buses to the Museum will leave the Royal Swedish Academy of Sciences at 18:15*
Tuesday, October 17

Session chaired by: Pierre Léna, Académie des sciences, France

8:30 ROSE, The Relevance of Science Education:
"Students' interest in science and technology - A comparison between primary and secondary schools in Sweden."
Anders Jidesjö,
Graduate student, The National Graduate School for Research in Science and Technology Education, Linköping University, Linköping, Sweden

9:30 Support for European collaborative projects on science education
Stephen D.Parker, Ph. D., Head of Sector: Education and Science, Research Directorate General European Commission, Brussels, Belgium

10:15 Coffee break

10:45 Beyond Scienceduc: POLLEN² initiative and its perspectives in Europe
Raynald Belay, Vice-director La main à la pâte, France

11:00 Discussion about European perspectives
Pierre Léna, Ph. D.
Académie des sciences, France
- What could we learn from the results from Scienceduc? Common elements?
- How to disseminate the process to other countries?
- How to implement networks?
- What can we learn from each other?
- What transfer can we expect?
- Could we implement European development strategies?

11:45 Conference general report
Pierre Léna, Ph. D.
Académie des sciences, France

12:15 Closing remarks
Sven-Olof Holmgren, Ph. D.
The Royal Swedish Academy of Sciences, Sweden

12:30 End of the conference

² Pollen (European project supported by the European Commission in the frame of the Sixth Framework Program on Science and Society) aiming at the development of a model for a sustainable improvement of science education in primary schools based on a hands-on approach and community participation. The project focuses on the implementation of 12 seed cities for science (www.pollen-europa.net since may 2006).