



Science education in Europe

An European Network of Science Academies

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ALLEA Extraordinary Strategy Meeting -
Amsterdam - Nov 16-17, 2009

Global *InterAcademy Panel*

Education program (Jorge Allende, Chile)

(2000 to present)*

- Answering the challenges of science education in primary and secondary schools throughout the world, with Academies ;
- Establishing regional networks : IANAS (Americas), NASAC (Africa), AASA & FASAS (Asia) for IBSE development ;
- Global Activities Committee, 2 International Symposia, Publications ;
- Plan for a Conference on the transition primary-secondary (nov. 2010) ;
- The role of scientists and Academies :
 - Promoting IBSE and advising national Ministries of education ;
 - Quality control, inspiration to teachers ;
 - Providing international cooperation, exchanges of resources ;
 - Gaining recognition from society for the care and help for education.

* See details in *Minutes, IAP Paris Meeting, June 2009*

Science education in Europe (1)*

- Several reports and in-depth analysis :
 - Europe needs more scientists, Gago report, 2006 ;
 - Science Education in Europe, Report to Nuffield Foundation, 2007 ;
 - Science Education Now, Rocard Report to EU Commission, 2007 ;
 - Students and science, OCDE Report, 2008 ;
- Heavy involvement of several science Academies in pilot projects ;
- Increasing support of EU Commission (since 2003) :
 - Science and Society & Education and Culture ;
 - Subsidiarity principle and scale : seed money needs national relays ;

* See details in Minutes, IAP Paris Meeting, June 2009

Science education in Europe (2))*

- *Science education in Europe of knowledge*, Grenoble Conference, 2008 ;
- Agreement reached on An European Network of Academies for science education :
 - Preliminary meetings with IAP (J. Allende) in Grenoble, Amsterdam, Paris ((2009) ;
 - Formal decisions for a Network
 - coordinated by ALLEA, with a secretariat, a website ;
 - being the European counterpart of other Regional actions with the IAP program ;
 - to be joined by all interested Academies ;
- Science Magazine Editorial, Oct 23, 2009 *Europe Rethinks Education* ;

* See details in Minutes, IAP Paris Meeting, June 2009

The role and organisation of the Network

- Sharing, stimulating and integrating the **efforts of National Academies from Europe** in the area of science education ;
- **Interfacing with EU** : Commission, Parliament, Council of education ministers ;
- Supporting **national relays** to EU seed money and pilots ;

- WG endorsed by an ALLEA Standing Committee Meeting (Sept. 28, 2009) ;

- Current Coordinating Committee (Paris, June 2009) : Maija Aksela (Finland), Andrej Kranjk (Slovenia), Pierre Léna (France), Peter Mitchell (Ireland), Gerhard Schaefer (Germany), **Ruediger Klein (ALLEA) Executive secretary** ;
- Extension to UK and Sweden expected + Eastern and Southern Europe ;
- Preparation in Europe for the IAP **2010 *International Conference on Science education*** ;

- Program for the Working Group to be decided.