Science education in Europe
An European Network of Science Academies

Pierre Léna
Délégué à l’éducation et la formation
Académie des sciences, France

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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
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• 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.