



la main
à la pâte

2016



La main à la pâte is organising in France, from 6 to 11 June 2016, its 7th international seminar on science education in school, intended for new trainers and decision-makers of foreign educational systems wishing to discover and get acquainted with the methods and the tools developed in France. The seminar will focus especially on the professional development of science teachers.

The *La main à la pâte* (« hands-on ») programme was launched in 1996 by Georges Charpak, Nobel prize winner, Pierre Léna and Yves Quéré with the support of the French Academy of Sciences and Ministry of Education.

Implemented jointly with the Ecoles normales supérieures of Paris and Lyon, *La main à la pâte* aims to renew and expand science and technology teaching in primary education in France and elsewhere. It recommends, for this purpose, that teachers implement an inquiry process combining exploration of the world, scientific learning, experimentation, mastery of language and argumentation, so that all children deepen their understanding of the objects and phenomena around them.

Its expertise is regularly sought abroad by a growing number of partner countries to contribute to the renewal of science education worldwide through expertise, training and resources.

La main à la pâte 7th International Seminar on Science Education in School

CIEP - SEVRES, 6-11 JUNE 2016

After 20 years of development and international cooperation, the *La main à la pâte* Foundation organises its 7th international seminar, in partnership with the French Ministry of Foreign Affairs, the Ministry of Education for Higher Education and Research and the International Centre for Pedagogical Studies (CIEP).

General objectives:

- To share and transfer the expertise of *La main à la pâte* to educational systems and scientific partners abroad.
- To raise foreign participants' awareness of inquiry-based science education, of its implementation in the educational system, and of teacher professional development.
- To share free methodological and scientific resources developed in France (guides, learning units for teachers and trainers).
- To make possible an intercultural adaptation of the approach and contents proposed by *La main à la pâte* to the context of each country.
- To foster international cooperation between the foreign partners of *La main à la pâte*.

www.fondation-lamap.org/international-seminar



Dates and place

From 6 to 11 June 2016 at the CIEP (International Centre for Pedagogical Studies), near Paris (France), <www.ciep.fr/en/>.



Contents

- History and principles of *La main à la pâte* and inquiry-based science education.
- The inquiry-based science approach. Training to the pedagogical approach in primary and middle schools: methods, steps, relevance. Class visits, practical activities.
- Strategies for innovation in professional development practices: educational resources, teacher professional development and support, cross-disciplinary approach.
- Strategies for generalisation into the educational systems: in-service professional development for teachers and development of pilot projects...

Contributors: *La main à la pâte* staff, academics and researchers, staff of the French Ministry of Education, associated experts.



Participants

The seminar will host fifty participants from various countries, outside the European Union.

Profile of the participants: educational system officers, academics in charge of teacher professional development, national program for science education leaders and other stakeholders in science education.

Criteria for application:

- During the review of the application, particular attention will be paid to the impact that participants could have on national initiatives in science education in their own country (public policy, teacher training institutions, pilot programs). Applications presented by a competent institution in this domain will be given priority.
- Double applications (2 persons from the same country) are required; the profiles of the participants have to be complementary to guarantee a better transfer within their national system.
- The participants will have to be proficient either in French or English.



Costs

Professional development costs and most part of the costs related to the stay are covered by the French part during the whole duration of the seminar. International travel expenses, visa fees, airport transfers and some meals will be at participants' expense.

Calendar

- > Deadline for application: February 28th, 2016
- > Selection of the participants: March 16th, 2016 (publication on the seminar website)

Registration

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