



I U P A C

INTERNATIONAL UNION OF
PURE AND APPLIED CHEMISTRY

The Flying Chemistry Educator Program

Committee on
Chemistry
Education(CCE)

Aim of the project

The aim of the program is to help emerging countries improve the teaching and learning of chemistry at the primary, secondary, and tertiary levels. FCEP-program will provide a country with the expertise needed to strengthen its chemistry education program and will assist in the program's development.

FCEP will generally be implemented in economically disadvantaged countries. The host country will provide boarding and lodging for the FCEP experts, and CCE will provide the airfare for two to three experts, with a maximum of \$ 5000. Visits will be considered only if invitations are received from

- a national society,
- a ministry of education or technology,
- or other comparable organization.

Invitations may be sent to the chair and/ or the secretary of CCE

j.h.apotheker@rug.nl, chair

Suzanne.Boniface@vuw.ac.nz, secretary

History

The FCEP has been organized 8 times by now, and has been successful in starting up educational activities in the host country. The FCEP has often been combined with the Young Ambassadors for Chemistry program. Both programs are powerful tools to initiate a change in educational culture at different levels.

Host Country

The host country is expected to make thorough preparations for the visit and to coordinate all activities related to achieving the specific goals and objectives of the visit. In addition, the host country should plan meetings with academics, industry representatives, and government agencies in order to identify future viable strategies for strengthening chemistry education.

Goals of FCEP

FCEP is intended to:

- assist in the development of curricula
- help develop or recommend new assessment tools
- help develop different approaches to the teaching of chemistry, including hand-on experiences
- help develop and implement teacher training and preparation programs
- assist in the establishment of partnerships among universities, industries, and governments
- develop successful international conferences to gain expert advice on a particular aspect of chemistry education
- help identify and approach sources of funding

History of FCEP

In January 2005, the Committee on Chemistry Education (CCE) embarked on a new initiative: the Flying Chemists Program (FCP).

Since that time the FCP has been implemented a number of times. The Flying Chemists Program has been renamed Flying Chemistry Educator Program

IUPAC CCE's Flying Chemistry Educators Program (FCEP)

The diagram illustrates the global reach of the Flying Chemistry Educators Program (FCEP) through a world map. Blue stars mark the locations of various FCEP activities, with arrows pointing to representative photographs of these events. The locations and years are as follows:

- Panama (2012)
- Mexico (2012)
- Ethiopia (2011)
- Sri Lanka (2005, 2011)
- India (2006)
- Croatia (2010, 2013)
- Philippines (2008)
- New Zealand (2016)

The photographs show diverse groups of participants engaged in workshops, seminars, and conferences, highlighting the program's international impact.