

Cooperation in education In Nuclear Chemistry (CINCH)

SEVENTH FRAMEWORK PROGRAMME, EURATOM (Euratom Fission Training Schemes)

Project summary

The renaissance of nuclear power will require a significant increase of the numbers of the respective specialists, among others also nuclear chemists. Because the current situation in nuclear chemistry education and training in Europe is quite diverse, the project aims at its coordination. The system developed should enable formation of a long-term Euratom Fission Training Scheme (EFTS) providing a common basis to the fragmented activities in this field and thus move the education and training in nuclear chemistry to a qualitatively new level.

The main target group will be not only the doctoral students and research workers but also the students at the master level. Including these students into the system should increase attractiveness of the studies of nuclear chemistry and thus enlarge the source of highly qualified professionals for the future employers.

The envisaged consortium includes both academia and 'future employers', representatives of all the key players/countries in the field have been included. The EU experience will be faced with the Russian expertise; "Think-tank" activities will be organized for gathering the views as broad as possible. The experience gained by ENEN association during the coordination of nuclear engineering education will be directly applied, among others to design the common qualification criteria, the mutual recognition system, and in the development of a sustainable system of long-term financing of the scheme.

The expected results of the project with the broadest impact to students, teachers, industries, and research community are a set of compact joint modular courses in different branches of modern nuclear chemistry, an electronic tool in the form of a virtual educational platform available for both education and training (both conceived as applicable at the Ph.D., life-long learning, and MSc. levels), and a long term sustainable strategy for the nuclear chemistry education including a roadmap for its implementation.

List of beneficiaries

Beneficiary Number	Beneficiary name	Beneficiary short name	Country
1(coordinator)	Ceske vysoke uceni technicke v Praze	CTU	Czech Republic
2	Chalmers tekniska hoegskola AB	CHALMERS	Sweden
3	Helsingin Yliopisto	UH	Finland
4	Moscow State University	MSU	Russia
5	Ecole Nationale Supérieure de Chimie de Paris	ENSCP	France
6	Ustav jaderneho vyzkumu Rez a.s.	NRI	Czech Republic
7	National Nuclear Laboratory Ltd	NNL	United Kingdom