Euratom Fission Training Schemes (EFTS) in all areas of Nuclear Fission and Radiation Protection

SEVENTH FRAMEWORK PROGRAMME

European Fission Training Schemes (EFTS) - Fission-2008-5.1.1

- A new scheme: a significant development from a pure training and mobility programme to one dedicated rather to structuring research training and researchers' career development across the EU.
- Address life-long learning and career development of experienced researchers in all areas of nuclear fission and radiation protection, touching upon both the public and the private sector.
- Maximise the transfer of higher level knowledge and technology with emphasis on multi-disciplinarity and/or trans-national and inter-sectoral mobility.
- Define and test the different steps in the systematic approach to higher level training (e.g. analysis, design, development, implementation and evaluation).
- Target = research workers and industrial experts at least at post-graduate or equivalent level, i.e. from doctoral students to senior visiting scientists.
- Ultimate goal = develop an European passport for Continuous Professional Development, which relies on the principles of modularity of courses and common qualification criteria, a common mutual recognition system, and the facilitation of teacher, student and worker mobility across the EU.

ENETRAP II

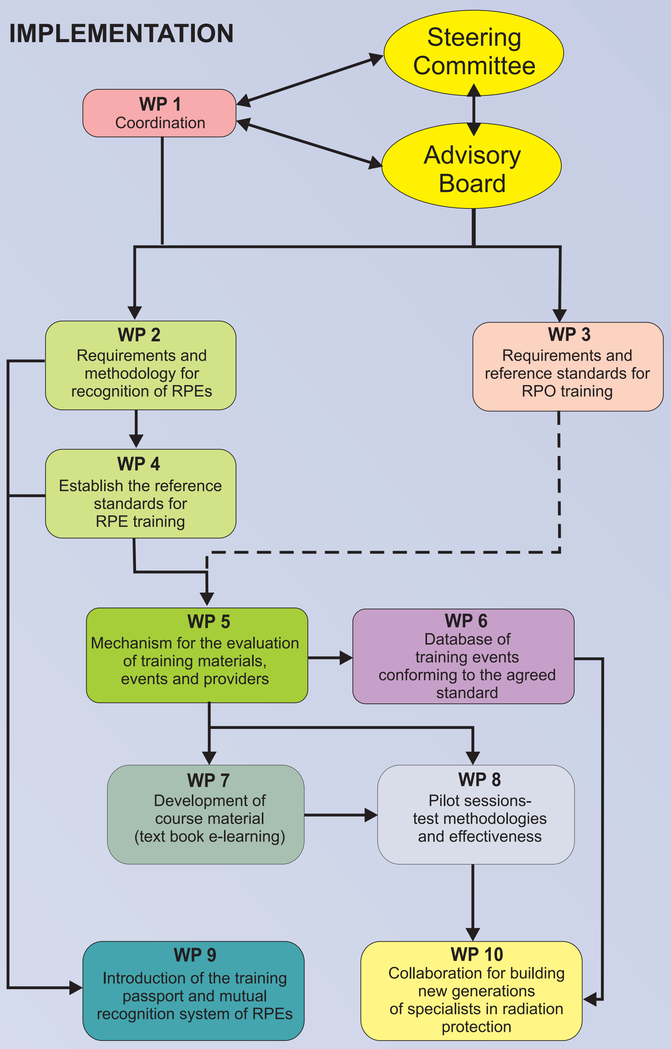
CONSORTIUM

- 12 partners in 12 countries
- SCK•CEN(B), CEA-INSTN(F), FZK-FTU(G), BfS(G), ENEA(I), NRG(NL), CIEMAT(S), HPA-CRCE(UK), ENEN(F), ITN(P), BME-NTI(HU), UPB(RO)

OBJECTIVE

The overall objective of this project is to develop European high-quality "reference standards" and good practices for education and training in radiation protection, specifically with respect to the radiation protection expert (RPE) and the radiation protection officer (RPO). These "standards" will reflect the needs of the RPE and the RPO in all sectors where ionising radiation is applied (nuclear industry, medical sector, research, non-nuclear industry). The introduction of a radiation protection training passport as a mean to facilitate efficient and transparent European mutual recognition is another objective of this project.

IMPLEMENTATION



CONTACT - COORDINATOR
Michèle Coeck

SCK•CEN
Boeretang 200,
BE-2400 Mol, Belgium

Tel : +33 14 33 21 80
Email: michele.coeck@sckcen.be

SCK•CEN
STUDIECENTRUM VOOR KERNENERGIE
CENTRE D'ETUDE DE L'ENERGIE NUCLEAIRE

ENEN-III

CONSORTIUM

- 19 partners in 12 countries
- ENEN(F), SCK•CEN(B), UCL(B), TKK(FI), LUT(FI), INSTN(F), AREVA(F-G), ISAR(G), BME(H),CIRTEN(I), DUT(NL), UPB(RO), UL(SI), JSI(SI), TECNATOM(E), UNED(E), UPM(E), UPC(E), HMS SULTAN(UK)

OBJECTIVE

To establish training schemes for selected professional profiles

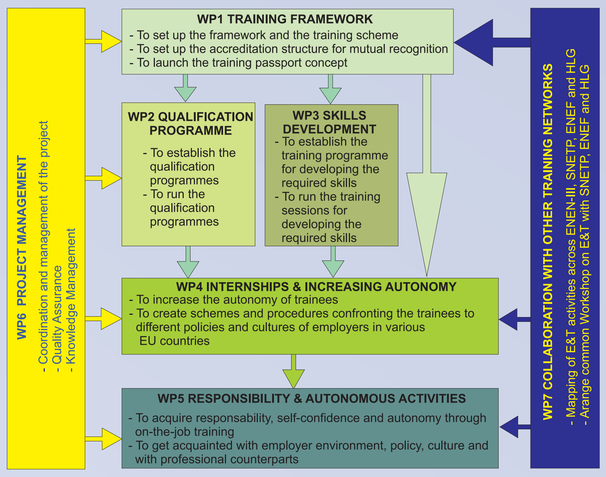
A. Basic training in nuclear topics
- for non-nuclear engineers and professionals in the nuclear industry
- for contractors and subcontractors of the nuclear industry

B. Technical training for the design challenges of GEN III Nuclear Power Plants
- systems and process engineering
- safety analysis evaluation

C. Technical training for the construction challenges of GEN III Nuclear Power Plants
- heating, ventilation, aircleaning and conditioning systems
- primary circuit and auxiliary systems

D. Technical training on the concepts and design of GEN IV nuclear reactors
- research on sodium-cooled reactors
- research on gas-cooled reactors
- research on lead-bismuth cooled reactors

WORK PACKAGES



OPPORTUNITY FOR NON-PARTICIPATING ORGANISATIONS

The training courses developed under this project will be widely announced at the ENEN website (http://www.enen-assoc.org) and will be open also to non-participating organisations in the European Union and from third countries as an element of international cooperation.

CONTACT - COORDINATOR
Peter De Regge

European Nuclear Education Network Association
Centre CEA de Saclay - INSTN - Bldg 395
FR-91191 Gif-sur-Yvette Cedex, France

Tel: +33 1 69 08 34 21
Email: pdregge@sckcen.be

enen european nuclear education network

PETRUS II

CONSORTIUM

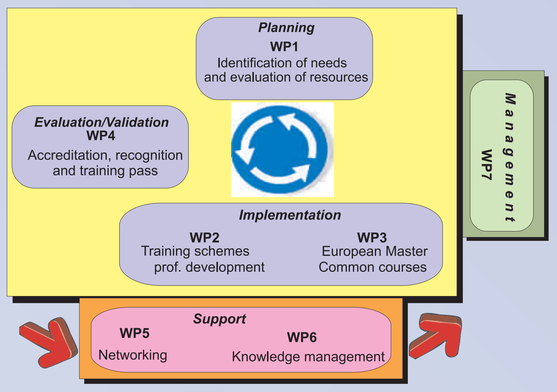
- 14 partners from 10 countries devided in two pools
- Pool of “end-users”: 6 major Waste Management Organisations + a Technical Nuclear Safety Organisation: ANDRA(FR), ARAO(SI), ENRESA(SP), NDA(UK), POSIVA(FI), RAWRA(CZ) and GRS(DE)
- Pool of “providers”: 7 partners from academia, research centres and training centres: CU(UK), ENEN(FR), INPL(FR), ITC(CH), ITN(PT), Micans(SE) and TUC(DE)

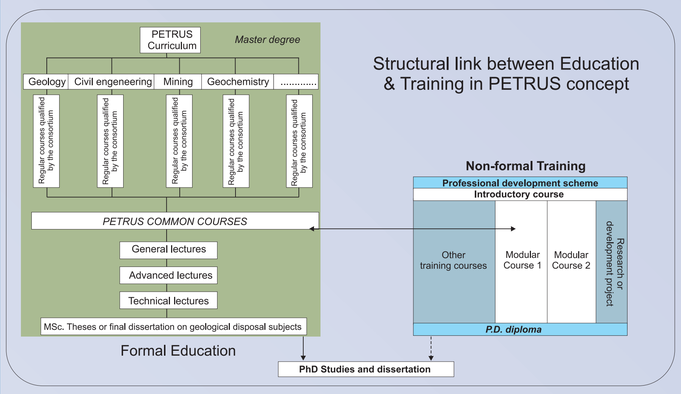
OBJECTIVE

Ensuring the continuation, renewal and improvement of the professional skills in the field of radioactive waste disposal by building suitable frameworks for implementing and delivering sustainable training programmes in both formal (Master degree) and non-formal (Professional Development) sectors.

DELIVERABLES

- The identification of needs, the inventory of available resources and the conception of the training programmes by taking into account both training providers and end-users point of view.
- The development of the adequate training schemes and the delivery of courses integrated to these schemes.
- The development of a framework for the mutual recognition and accreditation of the training programmes.
- The settlement of a plan for assuring the update and long-term sustainability of the programmes.





CONTACT - COORDINATOR
Behrooz Bazargan-Sabet

Ecole des Mines de Nancy
Parc de Saurupt
FR-54042 Nancy, France

Tel: +33 3 83 59 63 29
Email : behrooz.bazargan-sabet@mines.inpl-nancy.fr

ECOLE DES MINES DE NANCY