

## OUTCOME

In order to better integrate and harmonise national E&T activities on a European level, ENETRAP will assemble different ideas and approaches, ultimately delivering an operational network of different institutes currently conducting or promoting radiation protection E&T activities on different levels.

First steps for creating a consortium of universities will be taken. The main deliverable will be the proposal of a project for developing a European Master in Radiation Protection (EMRP), which will be submitted to DG Education.

Linking the European countries with established and active E&T programmes via a structured network will facilitate the integration and optimisation of existing resources within Europe. Extension to other Member States will be examined at a later date. Such an extension, however, should be performed in close relation with the European Training and Education in Radiation Protection (EUTERP) platform once this platform will be established.

The network aims at achieving a close and sustainable collaboration between primary education and training providers within Europe. This will be done by exchanging information on training courses, training events and on-the-job training opportunities, by standardising training modules and by efficiently sharing resources (e.g. lecturers and training facilities). Links to other European projects and networks having to do with education and training will be established.

## CONSORTIUM

ENETRAP is co-ordinated by the Belgian Nuclear Research Centre (SCK•CEN). The project consortium consists of 11 partners, from 7 different countries.

### PARTNERS

Belgian Nuclear Research Centre  
SCK•CEN / Belgium

The Institute for Nuclear Sciences and Technology  
INSTN / France

Research Centre Karlsruhe  
FZK-FTU / Germany

Federal Office for Radiation Protection  
BfS / Germany

The Italian National Agency for New Technology,  
Energy and Environment  
ENEA / Italy

The Nuclear Research & consultancy Group  
NRG / The Netherlands

The Research Centre for Energy,  
Environment and Technology  
CIEMAT / Spain

The Health Protection Agency  
HPA - RPD / United Kingdom

Université Catholique de Louvain  
UCL / Belgium

Université Joseph Fourier  
UJF / France

North Highland College  
NHC / Scotland



[www.sckcen.be/ENETRAP](http://www.sckcen.be/ENETRAP)

## **European Network on Education and Training in Radiological Protection**

April 2005 - March 2007

A specific Targeted Research Project within  
The Sixth Framework Programme in  
EURATOM



## ENETRAP SUMMARY

### OVERALL OBJECTIVE

The development of pan-European recognition for radiation protection courses and the acquired competency of radiation protection experts based on a common European radiation protection and safety culture is greatly needed.

In the industrial application of ionising radiation, both in the nuclear and non-nuclear domain as well as in other areas (e.g. medical and research areas), occupational, public and environmental radiation protection is a major challenge.

As is the case in all areas of nuclear expertise, the number of radiation protection experts is steadily decreasing. Maintaining a high level of competency in this field is crucial for

- future safe applications of ionising radiation and
- ensuring the protection of workers, the public and the environment.

A sustainable Education and Training (E&T) infrastructure in radiation protection is an essential component in combating this decline in expertise and in ensuring that a high level of radiation protection knowledge continues into the future. This infrastructure must include both initial training ("Education") and continued competency maintenance ("Training").

A Technical Annex detailing the ENETRAP project as well as all deliverables to be produced can be found on ENETRAP's dedicated website:

[www.sckcen.be/ENETRAP](http://www.sckcen.be/ENETRAP)

## WORKPACKAGES

- WP-1 Implementation and co-ordination of ENETRAP
- WP-2 Assessment of training needs and capabilities within the EU Member States, New Member States and Candidate States
- WP-3 Recognition of competencies and diplomas
- WP-4 On-the-Job Training (OJT) programmes
- WP-5 New concepts and new tools for the ERPC
- WP-6 Review of the scientific content of IAEA E&T modules and European requirements
- WP-7 Validation of results, revision of some ERPC modules and test runs of one or two of the revised modules
- WP-8 Establishment of an Erasmus Universities Consortium for developing a European Master in Radiation Protection (EMRP)

## ACTIVITIES

The project will produce a state-of-the-art report on radiation protection education and training activities in the enlarged European Union, which will help to

- develop a common European radiation protection and safety culture, and
- integrate modern communication systems and E-learning approaches with conventional teaching methods, education and training efforts from other European research projects, and international education and training programmes in radiation protection provided by International Organisations.

Key to developing a common radiation protection E&T infrastructure in Europe is assessing the training needs and capabilities of EU Member States, New Member States and Candidate States and developing a multilateral recognition of competency (diploma).

**Education:** A Consortium of ERASMUS Universities for developing a European Master in Radiation Protection (EMRP) will be established. A curriculum based on the European Syllabus and on information evaluated from qualified courses offered by ENETRAP partners will be developed.

**Training:** The qualifications and training (including OJT programmes and opportunities) required for key professional functions in industry, medicine, research and the public sector will be assessed. Past and current training programmes will be studied to revise the European Radiation Protection Course (ERPC). Requirements published by the EU and other international organisations such as the IAEA will be implemented in order to assure compliance of the newly developed training programme with the European directives on vocational E&T and with the Basic Safety Standards for protection against ionizing radiation.