



# ENETRAP

(Contract Number: FI6O-516529)

## PROJECT PRESENTATION (PP)

Author(s): Michèle Coeck, Cécile Etard, Andrea Luciani, Marisa Marco, Siegurd Möbius, Annemarie Schmitt-Hannig, Joanne Stewart, Jan van der Steen, Jacques Balosso, Rosemary Thompson, Pierre Scalliet

Reporting period: e.g. 01/04/2005-01/07/2005

Date of issue of this report : **05/09/2005**

Start date of project : 01/04/2005

Duration : 24 Months

<b>Project co-funded by the European Commission under the Euratom Research and Training Programme on Nuclear Energy within the Sixth Framework Programme (2002-2006)</b>		
<b>Dissemination Level</b>		
<b>PU</b>	Public	X
<b>RE</b>	Restricted to a group specified by the partners of the ENETRAP project	
<b>CO</b>	Confidential, only for partners of the ENETRAP project	





The development of a common European radiation protection and safety culture and, based on that, the mutual recognition of radiation protection courses and the acquired competencies of radiation protection experts (RPE) and officers (RPO) is becoming a real need. The ENETRAP project (European Network on Education and Training in Radiological Protection) aims at bringing together different ideas and approaches of education and training (E&T) in radiological protection (RP) in order to better integrate and harmonise national E&T activities on a European level.

## **1 Nature and Scope of the project**

The main objectives of the ENETRAP project are (i) to better integrate existing E&T activities in the RP infrastructure of the European countries in order to combat the decline in both student numbers and teaching institutions, (ii) to develop more harmonised approaches for E&T in RP in Europe, (iii) to better integrate the national resources and capacities for E&T and (iv) to provide the necessary competence and expertise for the continued safe use of radiation in industry, medicine and research. Any such infrastructure must ensure that provision is made for both the appropriate initial education and for the subsequent gaining and maintaining of specific expertise and competencies (training) at all levels.

11 partners, 8 research centres and 3 universities, are involved in ENETRAP. These partners have years of experience with established E&T programmes and play an important role in the development of specific techniques such as e-learning or On-the-Job Training (OJT) related to RP. As a result of their fundamental scientific research, collaboration with industry and practical experience, the partners have a solid scientific knowledge of all aspects of RP and are ideally placed to transfer the know-how and estimate the needs in this field.

## **2 Activities**

The project will produce a state-of-the-art report on radiation protection E&T activities in the enlarged European Union. Assessment of training needs and capabilities within the EU Member States, the New Member States and the Candidate States and an evaluation of the current situation with regard to recognition of competencies and diplomas are the keys for developing a common radiation protection E&T infrastructure in Europe. The required qualifications for key professional functions in industry, medicine, research and the public sector along with the training available to support those qualifications will be assessed, including OJT programmes and e-learning opportunities. To this end a survey (by questionnaire) is being undertaken across the EU countries to elicit detailed information. Past and current training programmes will be studied and the current European Radiation Protection Course (ERPC) will be revised. Special attention will be given to the compliance of European and International E&T requirements in RP with the Basic Safety Standards for protection against ionising radiation established and promoted by the European Union and by the IAEA. A pilot session of one or two revised modules of the ERPC will be organised.





In the field of "Education", an Erasmus Universities Consortium for developing a European Master in Radiation Protection (EMRP) will be established. A curriculum will be developed using information evaluated from qualified courses offered by ENETRAP partners.

### **3 Expected Results**

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 conducting or promoting radiation protection E&T activities on different levels.

Linking those European countries with established and active programmes in E&T (BE, DE, ES, FR, IT, NL, UK) via a structured network will facilitate the integration and optimisation of existing resources within Europe. In a later phase, extension to other Member States will be established. Such extension should be performed in close relation with the European Training and Education in Radiation Protection (EUTERP) platform which could play a role in reaching consensus about an internationally agreed system of recognition of RPEs, when this platform will be established. The network aims to achieve close and sustainable collaboration between the main E&T providers in Europe.

In the field of "Education", a project proposal for a European Master in Radiation Protection (EMRP) will be submitted to the DG Education.

### **4 Societal Impact**

Occupational, public and environmental RP is a major challenge associated with the application of ionising radiation in industry, both nuclear and non-nuclear, as well as in other areas such as the medical and research areas. As such, maintaining a high level of competencies in this field is crucial. A sustainable E&T infrastructure for RP is an essential component to combat the perceived decline in expertise and to ensure the continuation of a high level of RP knowledge. The development of a common European radiation protection and safety culture and, based on that, the mutual recognition of radiation protection courses and the acquired competencies of RPE's and RPO's will help and promote the mobility of workers and students throughout Europe.

### **5 Information about important public events**

An international seminar to communicate the results of the project will be organised in 2007.

Meanwhile the start of the ENETRAP network will be announced at the national level of all partner countries as well as at the international level. The status of the work packages will be presented at all relevant international conferences (ETRAP2005, ENC2005, IRPA2006...).

### **6 Project Website address & contact person**

The coordinator developed a website which is online since May 2005. The coordinator is responsible for the maintenance of the site. Contact person is M. Coeck. The address is [www.sckcen.be/enetrp](http://www.sckcen.be/enetrp).



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

### List of partners

SCK•CEN	The Belgian Nuclear Research Centre (coordinator)
INSTN (CEA)	The Institute for Nuclear Sciences and Technology
FTU-FZK	Centre for Advanced Technological and Environmental Training
BfS	German Federal Office for Radiation Protection
ENEA	The Italian National Agency for New Technology, Energy and Environment
NRG	Netherlands Research and Consultancy Group
CIEMAT	The Research Centre for Energy, Environment and Technology
HPA	The Health Protection Agency, Radiation Protection Division
UCL	Université Catholique de Louvain
UJF	Université Joseph Fourier
NHC (UHI)	North Highland College, University of the Highlands and Islands

### Coordination

SCK•CEN - Belgian Nuclear Research Centre  
 Contact person: Dr. Michèle Coeck  
 Boeretang 200  
 B-2400 Mol  
 Belgium

### EC Project Officer

Dr. Ir. Georges Van Goethem  
 European Commission DG RTD, Unit J.4 Nuclear Fission and Radiation Protection  
 CDMA 1/47  
 B - 1049 Brussels  
 Belgium

<b><u>Period</u></b>	04	2005	-	04	2007
<b><u>Budget</u></b>	Total project cost 457 k€ EC contribution 400 k€				