ENETRAP III TOOL FOR CAPACITY BUILDING IN RADIATION PROTECTION.

AUTHORS

M MARCO, C LLORENTE, T CLARIJS, M COECK, M SCHOUWENBURG, H VAN ELSÄCKER-DEGENAAR, P LIVOLSI
INTRODUCTION:

ENETRAP III project 7FP coordination action in Fission-2012-5.1.1: Euratom Fission Training Schemes (EFTS) in 'Nuclear Fission, Safety and Radiation Protection' (ref.nr. 605159)

Created to promote the E&T in RP and an adequate knowledge management to guarantee future safe use of ionizing radiation as well as the development of new technologies in a safe way, in line with EU policies on Education & Training and RP Capacity Building.

Education and Training are key priorities in several initiatives of the Europe 2020 strategy, which aims to improve M. States capabilities by providing hands-on RP training using different tools.
INTRODUCTION:

This presentation aims to present the experience of WP 5 ENETRAP project establishing the RP Community in the context of the EU framework. As well as their achievement and challenges for future development of a RP culture.

In this context, the aim of ENETRAP III WP5 is to contribute and to improve the EUTERP Platform. The European Platform on E&T in Radiation Protection.
Objectives: Capacity Building & transfer of know-how in RP - E&T: RP community. (WP5)

WP5 Objectives:
Promote the EUTERP RP community improving the website to become a CB & KM tool in RP
Bring together /disseminate activities and results of the series of ENETRAP projects and,
Promote the networking including database for courses, events and other opportunities, in collaboration with IAEA

WP 5: Dissemination of project results and contribution to a website for capacity building and transfer of know-how in RP

www.euterp.eu
The CB tool serves as a unique source of information on education and training in RP, such as training references, professional workshops and one of the most important resources for the radiation protection community: E&T database focussed on the RPE, RPO and the Exposed Workers.

This DB is also offered to all the EU projects and Platforms to present all opportunities in RP in order to build a common CB strategy based on a consensus on common needs, vision and instruments related to:

- research: knowledge creation
- innovation: technological applications
- E&T: knowledge transfer and competence building
Capacity Building (CB) in ENETRAP context

CB is an strategy based on a consensus on common needs, the vision and instruments for research and training in RP matters.

- to create and transfer **knowledge**

And to develop

- **skills and**
- **competencies**

- Of the individuals, organizations and countries,
- in RP matters to protect workers, the public and the environment from the potential risks of ionizing radiation, today and in the future.

This strategy must consider different aspects:

**Capacity Building remains a major support to safety improvement.**
This strategy focused on education and training, can be summarized as follows:

- Needs analysis (results of the training, knowledge, skills and competences ...)
- The convergence towards a common vision
- The development of common instruments to meet the above needs and vision (EQFs, ECVET, and continuous professional development.)
- Lifelong learning and mobility without borders
Results

Work progress of the activities and the achievements reached
Results: EUTERP Capacity Building Platform.
Results: Functional analysis 1. CAREER CENTER

This block is envisaged containing all the information related with the professionals of RP and its career.

1. Relevant Legislation

2. European Qualification Framework
   - ECVET
   - EQF
   - EQAVET
   - ECTS
   - CAREER PROFILES

3. Professional workshops, meetings & conferences
   - EUTERP workshops
   - ETRAP conferences
   - RP conferences
   - Presentations & papers

4. Opportunities
   - On the Job Training
   - Internships
   - Job opportunities
Results: Functional analysis 2. E&T CENTER

This block is envisaged containing all the information related with the students at all stages and young professionals in training, as well as resources for trainers.

1. Education & Training database
   - E&T courses
   - Degrees
   - PhD topics
   - Masters
   - E&T Providers

2. Resources for educators TTT

3. Training guides & manuals

4. Library
Results: E&T CENTER DATA BASE

Giving support to E&T activities

Education and training of RPE, RPO and Workers, guidelines for E&T in line with BSS, policy development, mutual recognition, cross-border mobility
Reorganized in line with the IAEA DB

http://demo1.euterpdb.org
http://euterpdb.org
What can you find on EUTERP database?

The EUTERP database is the place to search when you are looking for:
- Training Courses
- Academic Education
- Internships, PhD and Postdoc opportunities
- On-the-job training
- Job opportunities
- Workshops, conferences, symposia
- Organizations
- All in the field of Radiation Protection in Europe

The “E&T database”, contains information about E&T events, opportunities and PROVIDERS
This application includes the information organized by

the nature of event: E&T courses, Degrees, PhD topics and Masters;

the target audience: E&T: RPE, RPO, Exposed Workers

kind of the event: initial, retraining and specialization in any type of areas of the radiation protection.

On-the-Job-Training (OJT)
An overview of institutes hosting on-the-job-training possibilities, conforming to the agreed standard identified in the ENETRAP project.
RESULTS: Functional analysis 3. RP COMMUNITY
active knowledge networking in RP

This block contains information & utilities to create an active virtual community. Provides a better understanding on where & which E&T actions are currently missing.

1. ENETRAP projects

2. Other projects & related networks

3. Glossary

4. Forums

Summary of the related projects and networks included in “Radiation Protection Community”

Projects:
EUTEMPE-RX
TRASNUSA FE
NUSHARE
PETRUS
GENTLE
CINCH
MEDRAPET

Related Networks:
IRPA
ENEN Association
MELODI
NERIS
ALLIANCE
EURADOS
EAN
EMAN
EFOMP
HERCA
CONCLUSIONS

• WP5 has designed a CB tool around three groups of professionals, the people in training & the RP community.

• The tool, supported by the EUTERP foundation, aims to contribute in transferring of knowledge and developing skills and competencies, at individual and collective level in RP matters.

• The portal offers a complete information in RP: legal requirements, national approaches, European E&T standards and requirements, course material, course organizations, etc.. And also includes support to the RPE and RPO job profiles, in terms of education and training qualification, and in the credit systems such as ECVET and raises the profiles of the RPE and RPO as an attractive career option promoting their mobility around the European Union

• ENETRAP III has developed a database of E&T events and providers, which increases awareness and accessibility of E&T, opportunities and resources and promote networking which brings a positive effect to the whole Community.

• The events included in the DB are focused on RPE, RPO and EW, belonging to different kind of programmes as initial, refresher, specialization, OJT) and others.

• Promote the networking around UE. By having the E&T information of other EU projects it is possible build up a cooperative system based on a RP community
Suggestions, comments, .... Thank you
Progress and Results:

CB strategy tries to maximize K,S&C of individuals, organizations & countries, to protect workers, public & environment from the potential risks of IR, today & in the future (E&T, KM, KN & HRM)

the portal structure has organized
the information around three target audiences, namely the professionals in radiation protection, the people in training and the RP community

EUTERP-web includes a DB for courses/events/opportunities, connected with IAEA