





Presentation of ENEA - Radiation Protection Institute

## **Education and Training at ENEA - RPI**

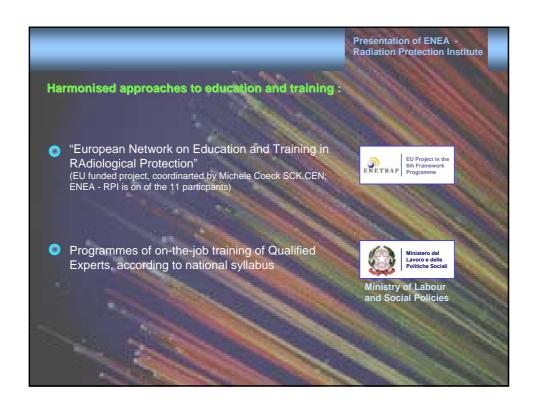
Researchers and Qualified Experts, engaged in the aforementioned activities, organize and carry out formation activities. This has allowed implementing into formation programmes the latest developments in the radiation protection field.

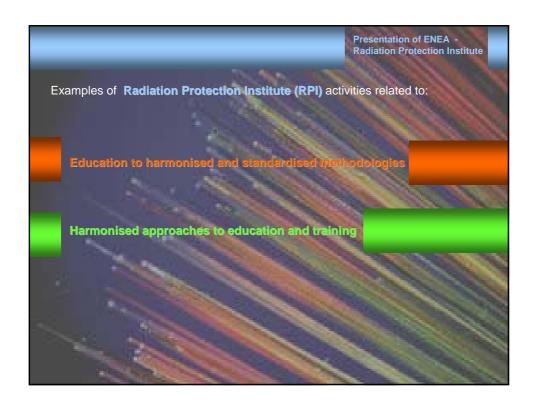
In recent years, RPI has been more and more engaged in harmonisation and standardization actions. This reflects in:

- Providing education programmes based on updated standardized methodologies (e.g. ISO, IEC, Eurados, proposed in the frame of ad hoc intercomparison exercises, etc.)
- Developing harmonised approaches for education and training in radiation protection (e.g. the project ENETRAP, training programmes according to the national syllabus, etc.)

The education to harmonised and standardised methodologies and the harmonised approaches to education and training are the additional values of the education and training activities of RPI, in respect to other national initiatives





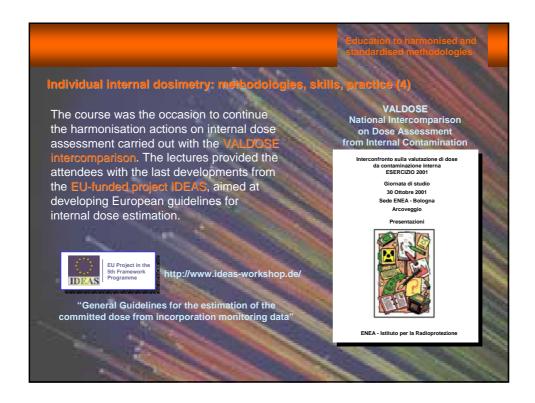


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Programme	Organizer (Year)	Harmonisation items
Individual internal dosimetry: methodologies, skills, practice	ENEA - RPI AIRP (2004)	Measurements techniques of internal contamination Procedures for intake and dosc calculation
Intercomparison on the usage of Computational Codes in Radiation Dosimetry	ENEA - RPI QUADOS (2003)	Use of numerical calculation tools
Italian intercomparison on internal dose assessment (VALDOSE) final workshop	ENEA - RPI(2001)	Procedures for intake and dose calculation
Use of MCNP in Radiation Protection and Dosimetry	ENEA - RPI EC, ERPET, EURADOS, OECD-NEA (1996)	Use of numerical calculation tools
Training-on-the-job for Qualified Expert	ENEA – RPI(when required)	Syllabus given in national legislation
European Radiation Protection Course (ERPC)	Institutions from 7 European countries (2000 - 2003)	Radiation protection E&T in accordance with EC requirements for the qualified experts training's
European Network on Education and Training in Radiological Protection (ENETRAP)	Institutions from 7 European countries (2005 - 2007)	Harmonised approaches for E&T Recognition of courses and competencies of RP experts











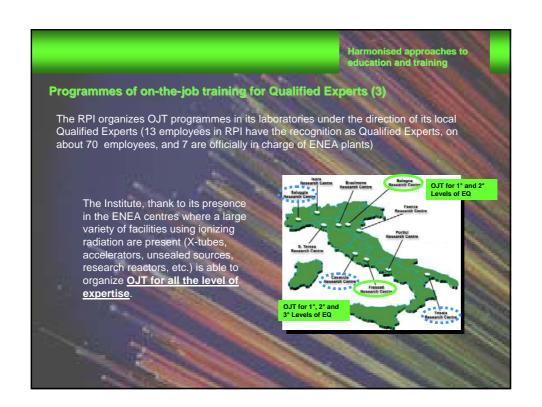
Programmes of on-the-job training for Qualified Experts (2)

The programme of OJT is carried out under the direction of the qualified expert of the facility:

1° Level: 120 days at an infrastructure appropriate for 1° Level

2° Level: as 1° Level plus 120 days at an infrastructure appropriate for 2° Level total 240 days

3° Level: as 2° Level plus 120 days at only two specific infrastructures appropriate for 3° Level: nuclear plant and facilities with accelerator - total 360 days



Programmes of on-the-job training for Qualified Experts (4)

The national legislation gives also a basic syllabus for the qualified expert, based on the topics addressed by European Commission's syllabus (Commission Communication C133/03. Official Journal of the European Communities L-133, 30 April 1998).

During the training, Institute's Qualified Experts provide the students also with theoretical knowledge on radiation protection based on this syllabus and appropriate for the Level of Qualification for which they are applying.

The Institute's Qualified Experts share information, methodologies, calculation tools, professional experiences on the base of either personal direct contacts and of periodical meetings addressed to all of them and organized by the direction of the Institute.

This assures that the competencies of the Qualified Experts providing the OJT are continuously updated, shared and harmonised with significant benefits for the applicants to Qualified Expert examination.

