

ENETRAP III

Michèle Coeck (SCK•CEN)
On behalf of the ENETRAP III Consortium

EUTERP Workshop, May 7-9 2014, Rovinj, Croatia



Driving forces

- Maintain and increase expertise in radiation protection
- Legal framework
 - Euratom Basic Safety Standards: Council Directive 2013/59/Euratom of December 5 2013, published on January 17 2014
 - **RPE, RPO, MPE** (in replacement of QE in former BSS)
- Common European goal:
 - Clear and uniform terminology on professions in RP
 - Common qualification criteria
 - Common mutual recognition system for acquired competences of RP professionals
 - Facilitating lecturer, learner and worker mobility across the EU

⇒ Common RP and safety culture



Some history – where do we come from? What did we already achieve? (What is still to be done?)

- Euratom Council Directive 96/29/EURATOM
- In answer to legal requirements: almost all EU member states and candidate states provided an E&T program, based on European BSS and the definition of “qualified expert”
- BUT:
 - Wide variety in terminology (QE, RPE, RPO, personnes compétentes, ...)
 - Wide variety of national approaches for E&T programs and for the recognition of “qualified experts” in EU member states
- First approach to harmonization by ENETRAP FP6 (2005-2007)



First approach to harmonization by ENETRAP FP6 Most important realizations

EDUCATION

- Establishment of Consortium of Universities → Launch of **European Master in RP**

TRAINING



Coordinator
SCK•CEN

Partners
CEA-INSTN
FZK-FTU
BfS
CIEMAT
NRG
ENEA
HPA-RPD
UJF Grenoble
NHC Scotland

- **ENETRAP questionnaire**, resulted in an overview on:
 - A. numbers of RPE's and RPO's;
 - B. identification of practices;
 - C. national capabilities for E&T in RP;
 - D. regulatory requirements;
 - E. recognition.
- Introduction of preliminary "ENETRAP training scheme"
- Development of first E-learning module via MOODLE
- Advise on implementation of **OJT/WE**
- Supported by end-users and providers (via EUTERP)



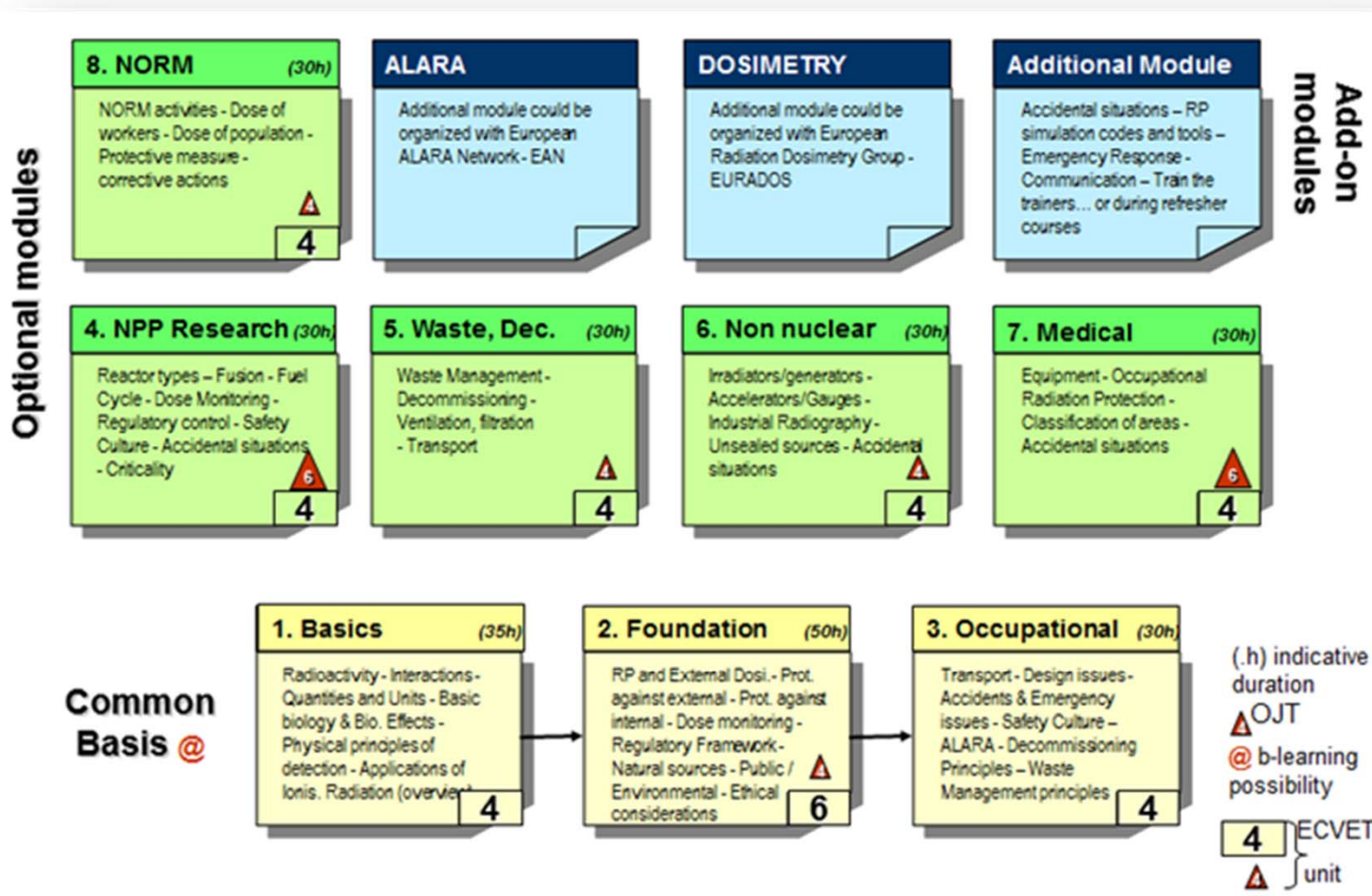
ENETRAP II FP7 (2009-2012)



Coordinator
SCK•CEN

Partners
CEA-INSTN
KIT
BfS
CIEMAT
NRG
ENEA
HPA-RPD
ENEN Association
ITN
BME
UPB

- Results of ENETRAP FP6 were good, however, more work was to be done related to training:
- Primarily dealing with RPE and RPO, but interested in medical field and the approaches used for MPE
- Towards European reference training scheme for RPE, serve as basis for mutual recognition
- Introduction of ECVET approach, learning outcomes in terms of K, S, C
- Organization of pilot sessions
- Development of draft/proposed frameworks and methodologies for national and international/mutual recognition of RPEs
- Towards sustainable results via collaboration with EUTERP and HERCA





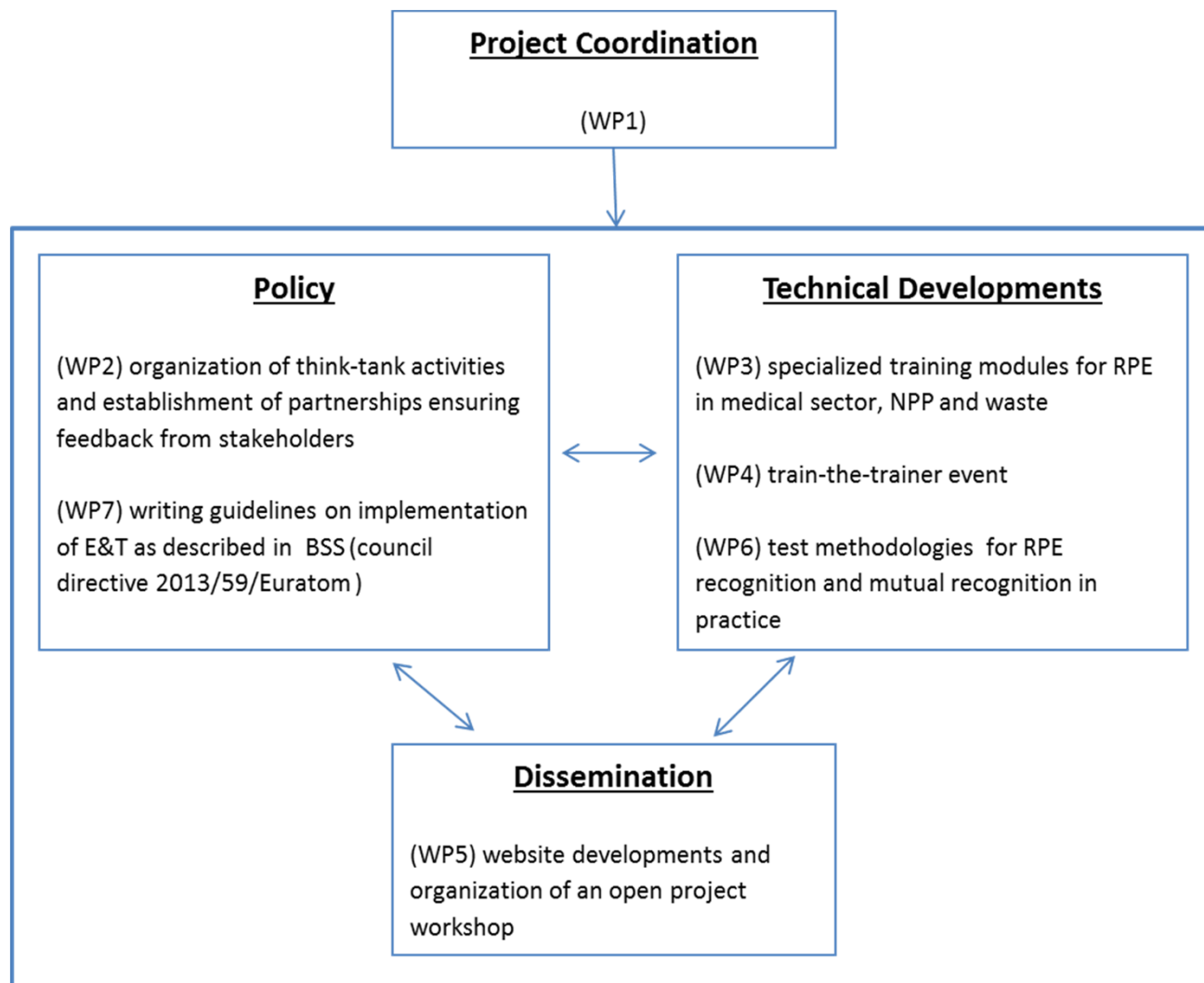
Lessons learned

- In these projects: “policy” part as important as “development and organization of courses”, because of the legal requirements
- Essential: publication of revised BSS, new definitions RPE/RPO based on advice that found its origin in ENETRAP and its connection to EUTERP
- Essential: support of authorities (now established via EUTERP and HERCA) and stakeholders
- Participation to European courses was difficult point - only when assurance that this course is “recognized” by authority
- Introduction of ECVET: system was not yet used at higher EQF levels, in this project: “pioneering” this area, transparent management using “easy” tool will be helpful
- Dissemination of results: important



What is still to be done? Content of ENETRAP III

WP1	Project coordination
WP2	Organisation of “think-tank” activities and establishment of partnerships ensuring feedback from stakeholders
WP3	Establishment of three specialized training modules for RPE and implementation of pilot sessions
WP4	Development of a train-the-trainer (TTT) strategy and organisation of a TTT training event
WP5	Dissemination of project results and contribution to a website for capacity building and transfer of know-how in radiation protection
WP6	Testing of methodologies for RPE recognition and mutual recognition in practice
WP7	Writing of guidance to support the implementation of E&T requirements for RPE and RPO as defined in the Euratom BSS





ENETRAP III innovative aspects

- Revised BSS published → official definition RPE, RPO, (MPE) → write guidance for implementing E&T (initial + refresher training!) in national legislations
- Continue to build the specialization topics of the RPE training scheme: RPE in NPP, medical and waste
- Train the training: attention for quality of training techniques, scientific and technical competences, understanding of the European qualification frameworks (ECTS, ECVET, EQF, ...), attention for broadening to non-scientific issues (transdisciplinary aspects, ethical aspects, ...)



ENETRAP III innovative aspects

- Transfer to other nuclear domains
- Real cases to demonstrate mutual recognition methodologies
- All involved either as partner or via Consultancy Group



Interaction with other projects, authorities and stakeholders

■ Consultancy Group

- HERCA, Art 31 GoE, DG ENERGY
- EHRO-N
- IAEA, IRPA
- EAN, NERIS, Radioecology Alliance, EURADOS
- FORATOM, (PGE Nuclear, EUTERP, EFOMP in Consortium)
- ENEN Association, ETKM SNETP, IG-DTP, MELODI
- ...



In summary

- ENETRAP III hopefully to start June 2014
- 4 years
- Strong collaboration with end-users
- Progress reported via
 - ENETRAP3 website
 - EUTERP website
 - EUTERP Workshops
 - Conferences (ETRAP and others)