

Work package 4 description

Work package number	4	Start date or starting event				Month 1
Work package title	Evaluation - Validation					
Activity Type	COORD					
Participant id	1	2,3,4,10,15	11	6, 7, 8, 9, 12, 13,14	TOTAL	
Participant short name	INPL	CU, TUC, Micans, ITC, ITN	ENEN	Posiva, ANDRA, ARAO, RAWRA, ENRESA, GRS, NDA		
Person-months per participant:	5	1	5	0.5	18.5	

Objectives

This work package addresses two interconnected tasks: T4.1 deals with the evaluation processes which allow assessing the outcomes of the training programmes and help in improving the content of courses so as to better fit to the identified needs. T4.2 treats the accreditation and mutual recognition of the training programme related to the formal (Master Common courses) and non-formal (Professional Development) training schemes.

Both of those tasks will be developed under adequate Quality Assurance framework as the concept of Quality applies to all of activities that underpin the training programmes of PETRUS2. Within the project however, our objective is not to produce a specific intrinsic Quality Assurance model, since on the one hand, we believe that there is no one “correct model” in the field of interest, on the other hand, most of the partners already possess their own certificated system (e.g. ISO 9001). Furthermore, some works on this subject has been already done in the frame of previous projects like ENEN II. Thereby, our approach is to apply the most common agreed Quality Assurance rules to the development of the above tasks.

Description of work

T4.1 Evaluation:

In order to guarantee the continuous and successful development of the training programmes quality, a strategy will set up which allows improvement of contents and methodologies all along the application of the programme. The evaluation system consists of a three fold systems:

Feedback from learners: An instrument for learning evaluation and follow-up will be developed, containing tools to get perspective from trainees regarding what they have learned. The process will gather both short-term and long-term data from participants to a training programme, at the end of the courses and 3 months after attending the training.

Evaluation by Trainers: The consortium will develop summative evaluation procedures that allow assessing the knowledge acquired by the participants and the extent to which initial objectives and expectations of the course have been met. The deliverable will contain two different procedures, one focuses on the formal training scheme the other one addresses Professional Development.

Internal evaluation: This procedure is a periodic formal evaluation of the relevance of the courses. It is an important means of ensuring, among other things, that quality improvements are made and courses remain relevant to users’ needs. PETRUS2 will build a detailed procedure for this purpose which will be appropriate to each training scheme and will determine the time periodicity for the controls.

All the procedures developed will be presented to the Consortium under the form of a synthetic document forming a “guideline for the evaluation of the PETRUS training programme”. The document shall be approved by all project participants.

The evaluation procedures will be applied to the different pilot sessions organised by the consortium during the project. The analysis of the data obtained and recommendations for the improvement of the evaluated courses will be reported in an evolutionary document, which will be completed during the project life. This document concerns both Master Common Courses and Professional Development curriculum.

T4:2 Validation:

This task concerns the setting up of a strategy will allow the accreditation and the recognition of the training programmes developed by the consortium under formal and non-formal training schemes. National rules exist in the field of Professional Development in several European countries allowing accreditation through different mechanisms including, to a certain extent, credit awarding systems compatible with the Bologna process (e.g. Finland, France).

The first part of the work will be devoted to a comparative study of the existing national accreditation systems for non-formal training in order to find and propose the best structure applicable to the specific case of the Geological Disposal. The recognition scheme which will be derived from the accreditation mechanism would be at least an agreement between the consortium partners if not larger, for using either a given national qualification framework or a common agreed scheme compatible with different national systems. Extending this agreement to the case of participants who don't want entry to a qualification scheme must give rise to the proposition of a "training passport" relevant to the geological disposal sector.

The accreditation of the Common Master courses needs an agreement between participant universities. As these courses are common to all participating institutions, their must be ranked at the same level of accreditation; in other worlds each university have to award each lecture with the same number of ECTS. The first step for reaching this goal is the common evaluation of the learning outcomes according to similar procedures described above. PETRUS2 will seek to propose a harmonised structure for finding consensus between all the academic partners of the project for applying the same rules and standards for the evaluation and the validation of the common Master courses.

Deliverables :

D4.1: Quality assurance procedure for reporting	month 3 (WP leader)
D4.2: Guideline for the evaluation of the PETRUS programmes (progress report)	month 12 (WP leader+ all partners)
D4.3: Accreditation scheme for Master courses on geological disposal	month 18 (WP leader + academic partners)
D4.4: Qualification scheme for PETRUS PD programme	month 24 (WP leader + WP2+ all partners)
D4.5: Guideline for the evaluation of the PETRUS programmes	month 24 (WP leader)
D4.6: Framework for a "Training passport" on geological disposal	month 30 (WP leader + all partners)

Milestones and expected result

M4.1: Consortium agreement on mutual recognition for Master courses	month 18
M4.2: Consortium agreement on mutual recognition of PD programme	month 24
M4.3: Agreement for accreditation of Common Master courses	month 24
M4.4: Approval of the deliverable D4.6	month 30