

**B.1.3.5 Work package descriptions**

<b>Work package number</b>	1	<b>Start date or starting event</b>		Month 1
<b>Work package title</b>	Analysis & Planning– Identification of needs and Evaluation of resources			
<b>Activity Type</b>	COORD			
<b>Participant id</b>	3	6,13,14	All other participants	TOTAL
<b>Participant short name</b>	TUC	Posiva, GRS, NDA		
<b>Person-months per particip</b>	3.5	1	0.5	13

**Objectives**

This work package is devoted to the assessment of the current and prospective needs in terms of Education and Training in the field of geological disposal, in order to determine the basket of knowledge that the participants must be provided with for satisfying end-users requirements in terms of immediate and future skills. In this work package the consortium resources that can entry into the E&T programmes will be inventoried and the rational way to pooling these resources including the use of underground facilities for training purposes will be defined. Additional pedagogic material expected for the construction of a harmonised programme will be identified. The WP will provide the useful a set of data for creating the Portfolio of formative courses in geological disposal.

**Description of work**

***TL.1 Characterisation of current situation and identification of needs***

Based on the CETRAD outcomes, but also accounting for lessons learnt in ENEN II, a competence need documentation based on "SAT" analysis principles produced for end-users WMO's, regulators and research organisations/universities will be developed. Potential end-users of PETRUS2 are Waste Management Organisations (WMOs), authorities and their technical support organisations and experts (TSOs), but also universities and research organisations working in the field of radioactive waste management.

Typically the following issues will be explored by the questionnaire:

- work areas,
- a competency framework with examples typical professional "profiles" of employees,
- desired profiles for employees to be hired within the next decade,
- identified areas with need for education and training, identified gaps,
- typical education and training measures presently implemented (content and format),
- experience with these measures and need for additional measures (content and format),
- profile of existing training courses offered by organisation and willingness to open them to a wider audience,
- specific expertise of the organisation and willingness to make this expertise available by providing lecturers / trainers for (existing or new) courses within the PETRUS2 framework

The outcomes will be compiled and presented to the PETRUS2 End-user Advisory Group.

The deliverable D1.1 of WP 1 will include an updated compilation of ongoing activities relevant for the project containing:

- an update of CETRAD information in participating countries
- information on IAEA education and training activities
- information on courses offered by the ITC School
- information from the ENEN Association's database
- information on other Universities' continuing education
- information on activities of end-users

***TL.2 Synthesis and derivation of conclusions for further work***

Deliverable D1.1 is synthesised into a document containing preliminary conclusions on options for the way forward based on a SWOT (Strengths, Weaknesses, Opportunities, and Threats) analysis. These conclusions will be presented to, and discussed at, a workshop (D1.2) involving education and training providers and

end-users. The aim of the workshop is to derive an updated set of conclusions and a planning document for the continuation of the project including formal and non-formal course availability and needs (D1.3). This document which should be approved by all project participants will:

- Identify existing education and training activities and their outreach,
- Identify needs of end-users, possibly dependent on type of institution,
- Establish connections between the two by:
  1. Identifying areas where needs could be satisfied by existing (or slightly modified) activities (enlarging outreach),
  2. Identifying areas where existing activities could be modified and / or re-arranged (e.g. by grouping courses from different institutions and tailoring them for different end-users or target organisations),
  3. Identifying areas where new education and training activities should be developed.
- Define a work plan for WP's 2 and 3 based on the above containing a mid-term vision for the further development of an education and training network,

***T1.3 Portfolio of formative courses in geological disposal***

The works carried out in the frame of parts (a) and (b) of the WP1 will give rise to the production of a document containing all the useful information about available courses related to the geological disposal (D1.4). This document will be an input for the work package 6.

It is vital that the training programme remains at the forefront of scientific and technological developments. This will be achieved through the update of the D1.4 contents at the end of the project.

**Deliverables :**

D1.1:	Training and competence need analysis summary	month 12 (WP leader)
D1.2:	Planning workshop	month 12 (Management team WP7)
D1.3:	Planning document	month 14 (WP leader)
D1.4:	Portfolio of formative courses	month 15 update: month 35 (WP leader + input from all participants)

**Milestones and expected result**

M1.1:	Approval of the deliverables D1.1 by the consortium	month 12
M1.2:	Approval of the deliverables D1.3 by the consortium	month 14