

Document ID 1281353	Version 1.0	Status	Reg no	Page 1 (6)
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Reviewed by Steering Committee			Reviewed date	
Approved by Erik Thurner			Approved date 2011-09-28	



Scholarship Plan

1 Background

The LUCOE X project includes active engagement in training and education in addition to the engagement in dissemination of project results. This engagement is expressed in the form of scholarships, which cover travel, lodging and daily allowance to and from and during each event. The project addresses 2-week training possibilities at two different occasions, 2-week on-site training and education during two occasions, and participation in different workshop events. The LUCOE X project will in total provide 20 scholarships made available to students, post-docs and engineers in European Union Member States and Switzerland during the course of the project.

2 Organisation and planning

The participants are equally responsible for all scholarships. In practice each participant manages equal number, each one in cooperation with the project Coordinator.

The Coordinator has the overall responsibility for

- Initiation of plans.
- Coordination of planning.
- Consistency between plans.
- Announcement of respective scholarship on the web site and to a list of designated addressees. The latter is compiled by the Coordinator after consultation with among others the WP Leaders.

The designated Work Package Leader (WP Leader) has the responsibility for

- Planning in cooperation with the Coordinator.
- Implementation of plan after approval of the Steering Committee.
- Survey and follow-up.

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The initiation addresses the first announcement this year and a guideline memo for each type of scholarship which specifies the general conditions for each scholarship on topic it addresses, counter-performance involved from short presentation on how the information obtained will be disseminated “at home” to mission of writing and publishing monograph on a topic, terms of lodging, travel and daily allowance, means of announcements, and set of criteria for ranking applicants with e.g. respect to skill, further dissemination of obtained results and further development of obtained knowledge.

The planning is carried through by the designated WP Leader in corporation with the Coordinator, who surveys the conformity of plans and procedures between the four WPs on *in situ* testing.

Designated WP Leader will be responsible for carrying through the plan once it has been approved by the Steering Committee.

3 Announcement of scholarships and application

Students, post-docs and engineers will be approached by the Coordinator in different and efficient ways with information on each scholarship event. The web site will be furnished with tools for on-line application for those who prefer to use this media.

Announcement will be made in steps. The present plan will be submitted to the web site as soon as it has been submitted to the European Commission, and more actively made known to possible interested parties thereafter not later than at the end of this year.

Detailed announcement and terms of reference for application will thereafter be made for each scholarship event according to the plans presented below.

4 Training possibilities

The training possibilities address two 2-week training events about mid-term of the project and two 2-week training events at the end of the project. Those training events can be planned with high flexibility to each responsible organization's convenience. They may focus on off-site training as well as on-site training or both.

Post-docs and students will be encouraged to express interest in the LUCOEX project and look for matching opportunities for training.

All details about the plans, requirements on pre-knowledge, topics to be addressed and manuals for filing applications will be published at least one year prior to each event.

4.1 Mid-term events

These two training events will focus on the clay concepts and the demonstration projects taking place at Bure and Mont Terri Underground Rock Laboratories (URL).

WP Leaders for WP 2 and WP 3 are jointly responsible for coordination and interacting activities for the trainees and that both trainees are becoming involved in the LUCOEX

demonstration activities taking place at Bure and Mont Terri URLs, if this will be part of the plan, and become acquainted with demonstration activities on crystalline rock concepts taking place at Äspö and Onkalo URLs, if this will be part of the plan. However, WP Leader for WP 2 is solely responsible for day-to-day planning, guidance and mentorship for one of the trainees while the WP Leader for WP 3 has the same responsibility for the other trainee. This responsibility includes timing of the training, regular contacts with the trainee, arrangement of practicalities like lodging and transporting to and from training, and conveying of essential information to the other concerned WP Leaders and to the project Coordinator.

Main milestones:

- Detailed announcement of plan, time and knowledge requirements of applicants by month 12.
- Carrying through training during months 24 to 25.
- Reporting of achievements and comments in general on scientific issues by month 29.

4.2 End-term events

These training events are set up in a similar way as the mid-term training events. The two end-term training events will focus on the crystalline rock concepts and the demonstration projects taking place at Äspö and Onkalo URLs.

WP Leaders for WP 4 and WP 5 are jointly responsible for coordination and interacting activities for the trainees and that both trainees are becoming involved in the LUCOEX demonstration activities taking place at Äspö and Onkalo URLs, if this will be part of the plan, and become acquainted with demonstration activities on clay concepts taking place at Bure and Mont Terri URLs, if this will be part of the plan. However, WP Leader for WP 4 is solely responsible for day-to-day planning, guidance and mentorship for one of the trainees while the WP Leader for WP 5 has the same responsibility for the other trainee. This responsibility includes timing of the training, regular contacts with the trainee, arrangement of practicalities like lodging and transporting to and from training, and conveying of essential information to the other concerned WP Leaders and to the project Coordinator.

Main milestones:

- Announcement of plan, time and knowledge requirements of applicants by month 31.
- Carrying through training during months 43 to 44.
- Reporting of achievements and comments in general on scientific issues by month 48.

5 On-site training

The plan on on-site training will cover four 2-week training events, one event at each of the participants URLs.

WP Leaders for WP 2, WP 3, WP 4 and WP 5 are jointly responsible for interacting activities for the trainees and that they become involved in the LUCOEX demonstration activities in a suitable way. However, each designated WP Leader is solely responsible for implementation of the approved plan, and for regular contacts with one of the trainees. This responsibility includes day-to-day planning and timing of the training, arrangement of practicalities like

lodging and transporting to and from respective URL, and conveying of essential information to the other WP Leaders and to the project Coordinator

The following occasions are preliminary:

URL for on-site training	Preliminary occasion	Detailed announcement expected	Designated WP Leader
Bure	2 nd -3 rd Q 2013	2 nd Q 2012	Gilles Armand
Mont Terri	2 nd -3 rd Q 2014	2 nd Q 2013	Tim Vietor
Äspö	2 nd -3 rd Q 2013	2 nd Q 2012	Magnus Kronberg
Onkalo	2 nd -3 rd Q 2014	2 nd Q 2013	Keijo Haapala

6 Participation in mid-term workshop

The plan on scholarship for participation in the mid-term workshop addresses two scholarships. They will cover the travel to and from the workshop, lodging and daily allowance. This workshop will be held on Thursday-Friday October 25-26, 2012, in conjunction with the seminar “Clay in Natural and Engineered Barriers for Radioactive Waste Confinement” taking place on 22-25 October 2012 in Montpellier, France.

A Team has been appointed for planning and organizing of the workshop under the chairmanship of Fredrik Johansson, SKB. The team consists of the following members:

- Fredrik Johansson
- Jacques Morel
- Hanspeter Weber
- Keijo Haapala

The team will also be responsible for the planning and the arrangements connected to the scholarships under the leadership of its Chair.

The plan is as follows:

Location for mid-term workshop	Time	Detailed announcement expected	Responsible
Montpellier	October 25-26, 2012	3 rd Q 2011	Fredrik Johansson

7 Participation in large workshop

The plan on scholarship for participation in the large workshop addresses two scholarships. They will cover the travel to and from the workshop, lodging and daily allowance. This workshop will be held on in conjunction with the Project Progress Meeting and Steering Committee Meeting at Äspö Hard Rock Laboratory, Sweden, tentatively set to April 2014. A Team has been appointed for planning and organizing also this workshop under the chairmanship of Fredrik Johansson, SKB. The team consists of the following members:

- Fredrik Johansson

- Jacques Morel
- Hanspeter Weber
- Keijo Haapala
- Christophe Davies

This Team will also be responsible for the planning and the arrangements connected to the scholarships under the leadership of its Chair.

The plan is as follows:

Location for large workshop	Time	Detailed announcement expected	Responsible
Äspö	April 2014	3 rd Q 2013	Fredrik Johansson

8 Participation in theme-specific workshops

The plan on scholarship for participation in theme-specific workshops addresses all together 8 scholarships. They will cover the travel to and from the workshop, lodging and daily allowance.

The workshops are planned to be held in conjunction with Project Progress Meetings and Steering Committee Meetings in the following order:

- March 2012 at Olkiluoto, Finland. Theme: Tunnel and disposal cell excavation.
- September 2012 at Bure, France. Theme: Instruments and instrumentation.
- June 2013 at Mont Terri, Switzerland. Theme: Bentonite block and pellets production and emplacement.
- April 2014 at Äspö, Sweden.

At each occasion two scholarships are intended to be awarded.

Respective WP Leader for the demonstration project taking place at the URL being host for respective workshop will be responsible for the planning and the arrangements connected to the scholarships in cooperation with the Coordinator.

The plan is as follows:

Location for theme-specific workshop	Time	Detailed announcement expected	Designated WP Leader
Onkalo	March 2012	3 rd Q 2011	Keijo Haapala
Bure	September 2012	1 st Q 2012	Gilles Armand
Mont Terri	June 2013	4 th Q 2012	Tim Vietor
Äspö	April 2014	3 rd Q 2013	Magnus Kronberg

9 Summary of scholarships

Scholarship		Time	Detailed announcement	Designated WP Leaders
ID	Event			
Training possibilities				
1	Mid-term scholarship	Month 24-25	Month 12	Gilles Armand
2	Mid-term scholarship	Month 24-25	Month 12	Tim Viotor
3	End-term scholarship	Month 43-44	Month 31	Magnus Kronberg
4	End-term scholarship	Month 43-44	Month 31	Keijo Haapala
5	On-site training Bure	2 nd -3 rd Q 2013	2 nd Q 2012	Gilles Armand
6	On-site training Mt Terri	2 nd -3 rd Q 2014	2 nd Q 2013	Tim Viotor
7	On-site training Äspö	2 nd -3 rd Q 2013	2 nd Q 2012	Magnus Kronberg
8	On-site training Onkalo	2 nd -3 rd Q 2014	2 nd Q 2013	Keijo Haapala
9	Mid-term workshop	Oct 25-26, 2012	3 rd Q 2011	Fredrik Johansson (Responsible)
10	Mid-term workshop	Oct 25-26, 2012	3 rd Q 2011	Fredrik Johansson (Responsible)
11	End-term workshop	April 2014	3 rd Q 2013	Fredrik Johansson (Responsible)
12	End-term workshop	April 2014	3 rd Q 2013	Fredrik Johansson (Responsible)
13	Theme-specific workshop	March 2012	3 rd Q 2011	Keijo Haapala
14	Theme-specific workshop	March 2012	3 rd Q 2011	Keijo Haapala
15	Theme-specific workshop	September 2012	1 st Q 2012	Gilles Armand
16	Theme-specific workshop	September 2012	1 st Q 2012	Gilles Armand
17	Theme-specific workshop	June 2013	4 th Q 2012	Tim Viotor
18	Theme-specific workshop	June 2013	4 th Q 2012	Tim Viotor
19	Theme-specific workshop	April 2014	3 rd Q 2013	Magnus Kronberg
20	Theme-specific workshop	April 2014	3 rd Q 2013	Magnus Kronberg