



LUCOEX Meeting & Workshop – Aspö HRL LUCOEX Expert Group Work Status & Findings

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The following 8 Experts were appointed in January 2012 by the LUCOEX Steering Committee :

- Andra – Jean-Michel Bosgiraud (Chair), internal expert
- Nagra – Thomas Fries, internal expert
- Posiva – Hannu Pihlainen (replacing Jere Lahdenperä), internal expert
- SKB – Stig Pettersson, internal expert
- DBE-TEC – Wilhelm Bollingerfehr, external expert
- SCK-CEN - Jan Verstricht (replacing Geert Volckaert), external expert
- Independent – Alan Hooper, external expert
- Independent – Lumir Nachmiller, external expert

Internal Expert : Belonging to one of the organizations participating to Lucoex, but not involved in the Project

External : Not belonging to one of the organizations participating to Lucoex and also not involved in the Project

The Expert Group mandate is summarized in its Letter of Mission :

- *“Critical review of Documents , after reading and after attending various meetings and presentations (if possible on site of experiments or during key technical meetings)”*
- *“3 Assessment reports (D1.7 at Month 18, D1.11 at Month 36 and D1.14 at Month 46) to be submitted to the Lucoex Steering Committee”*

The Expert group has reformulated (cf. Deliverable D1.7) its vision of the Mission as follows:

- *“Most of the Experts contribution will be (if possible) in providing recommendations on how to bring added value to the Project”*
- *“Added value lies in particular in Integration actions, Public communication ... Clarification of Safety rationale, Risk evaluation”*

In summary, the Expert Group intends to deliver positive critique & advice, not any type of criticism of the Works carried-out in LUCOEX

The Experts have met twice so far:

- Meeting 1 on 28.03. 2012, in Andra's premises (Paris), in order to:
 - ☐ Share a common vision of the expertise work (based on letter of Mission & DoW),
 - ☐ Attend a presentation delivered by Andra – Jacques Morel – Experiment manager on LUCOEX WP3 (“ALC - Horizontal disposal cell thermal test” at Bure URL),
 - ☐ Plan the next Expert Group meeting.
 - Minutes of Meeting 1 sent to SKB (Coordinator) on 06 April 2012.
- Meeting 2 on 24-25 September 2012 in Nagra 's premises (Mont-Terri URL), in order to:
 - ☐ Visit Nagra's experiment site (under preparation in a URL dedicated drift),
 - ☐ Attend 3 presentations respectively delivered by :
 - Nagra (Hanspeter Weber et al) on Lucoex WP2 (“Full Scale Experiment at Mont-Terri”)
 - SKB (Magnus Kronberg) on Lucoex WP4 (“KBS-3H Multipurpose test at Aspö”)
 - Posiva (Keijo Haapala) on Lucoex WP5 (“Development of Buffer Block Installation Concept at Onkolo”)
 - ☐ Discuss risks and risk management plans with the concerned experiment managers

Following Meeting 2, a first Deliverable (D1.7) was produced on 15.03.2013.

- Meeting 3 scheduled on June 25, 2014 in Andra's premises to work on the preparation of the 2nd Deliverable :
 - Deliverable D1.11 issue planned for early July 2014
- Site Meeting 4 to be scheduled next fall 2014 (Onkolo/Posiva or Mont-Terri/Nagra) with a preference for Posiva's site (TBC) :
 - Final (3rd) Deliverable D1.14 issue planned for late November 2014
- Some of the Experts will have carried out a site visit on **all the LUCOEX Experiment Sites**, providing a more thorough view to share with the rest of the Group in order to help elaborating its assessments




Late,
sorry!

Expert Group Recommendations & Findings (summarized from D1.7) :

R1 – Access to LUCOEX information lodged on “Projectplace” :

- Site is **not** user friendly (it’s hard for occasional users like the Experts to find the documents in their final status in a straightforward way)
- Same can be said by occasional users of “Projectplace” tool for the IGD-TP and DOPAS Projects
- *Use of another “document sharing” application for future cooperative projects?*

R2 – Public Information on LUCOEX Project Work Progress :

- By contrast, the LUCOEX Public Portal is **very** user friendly with an excellent access to all the public information and to the Project status 
- The LUCOEX newsletters are also well documented and released at the right pace to provide the necessary amount of information on the Project progress
- *Q1: Notice of Public Portal update systematically sent to the Experts?*
- *Q2: Life of LUCOEX Public Portal after Project Completion (how many years)?*

Expert Group Recommendations & Findings (summarized from D1.7) :

R3 – Work Plans and Rationale of experiments

- These documents are not part of the LUCOEX Deliverables, but are a very useful tool of understanding the technical stakes and risks (for outsiders like the Experts) and a practical mean of catching the way an experiment scheme is organized & scheduled (mainly when a part only of the experiment is lodged in the EC Project)
- *For new cooperative projects, a work plan document could be a worthy preliminary Deliverable (e.g. in DOPAS – existence of a “Design Basis” Deliverable) for the external reader*

R4 – Formatting of Deliverables

- *An executive summary is advisable on all documents issued with a “PU” status & would be fine also on other Deliverables (c/w “RE” status)*
- *Ideally, for all the “RE” Deliverables inside a given WP, a systematic reference to the previously published Deliverables is also advisable*

Expert Group Recommendations & Findings (summarized from D1.7) :

R5 - Integration

- Limited amount of Integration, due to the “stand alone” nature of each technical WP
- *The technical meetings and the workshops are good means to reach a certain degree of Integration*
- *Bentonite blocks fabrication and emplacement is to a certain extent a suited field of cooperation between WP2, WP4 & WP5*

R6 - Risk Management

- All the LUCOEX partners provided a Risk Management Plan (or a list of identified risks)
- *A common methodology, or at least a shared vision (a shared Table of Risks) could be used in future Cooperative Projects (as done in DOPAS)*

Expert Group Recommendations & Findings (summarized from D1.7) :

R7 - Technical Achievements & Schedule Drift

- At date of D1.7 Report writing, the Expert Group did not expect any major difficulties for the LUCOEX Participants, at the exception of the Posiva bentonite blocks (use of an isotactic press)
- Some Schedule Drift is not unlikely and not surprising (“common practice” of many Projects – e.g. ESDRED)
- *To provide “a safety margin”, it is advisable to allocate a “certain free float” (e.g. a 6 month extension was recommended by the EC in DOPAS) to any Cooperative Project Global Schedule*