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| DOPAS Training workshop 14-18 September 2015 in Czech Republic |  |  |  | Final as implemented 18 September 2015 | Version 4 |
|  |  |  |  |  |  |
| DAY 1 | Location: Prague CTU |  | Chair of the day: Jacques Wendling | Organisation and Tutor names | Activity type |
| 14.9.2015 | Time | Duration (min) |  |  |  |
| M aterial no |  |  | Orientation to the Training Workshop (5.) |  |  |
| $\begin{aligned} & \text { DAY 1: 5.1.1; } \\ & \text { 5.1.2 } \end{aligned}$ | 09:00-09:30 | 30 | Welcome; Introduction to the training workshop programme and CTU - CEG | CTU/ Radek Vasicek | presentation |
| $\begin{aligned} & \text { DAY 1: 5.2.1; } \\ & \text { 5.2.2 } \end{aligned}$ | 09:30-10:00 | 30 | Introduction to DOPAS project and to Posiva | Posiva/M arjatta Palmu | presentation |
| DAY 1: 5.3 | 10:00-10:45 | 45 | Icebreaker, course objectives and concept of time | Posiva/M arjatta Palmu and all | participant's objective setting and activity |
| 10:45-11:00 15 |  |  | Coffee break |  |  |
| Learning Unit 1: From Requirements to design basis of plugs and seals |  |  |  |  |  |
| M aterial no |  | 1.1 Understanding requirements management and their application for plugs and seals design basis |  |  |  |
| DAY 1: 1.1.1a-b; 1.1.2 | 11:00-11:45 | $20+25$ | The role of plugs and seals. Different timelines, different host rocks (case of clay and crystalline repository concepts). Introduction to Andra and SKB. | Andra/Jacques Wendling incl. Nagra content, SKB/Pär Grahm | lecture/s |
| M aterial no |  | 1.2 Requirements - understanding and applying them |  |  |  |
| DAY 1: 1.2.1 | 11:45-12:00 | 15 | Sources of requirements. Participants' reflection activity | Andra/Posiva/SKB | participant's reflection activity |
| 12:00-13:00 60 |  |  | Lunch break |  |  |
| DAY 1: 1.2.2 | 13:05-13:25 | 20 | Generic introduction to requirements management (hierarchy in engineering, V-model) | Posiva/M arjatta Palmu | lecture |
| DAY 1: 1.2.3; <br> 1.2.4 | 13:25-14:00 | 30 | The Design Basis development work flow for Plugs and Seals | SKB/Pär Grahm | lecture |
|  | 14:00-14:20 20 |  | Coffee break |  |  |
| M aterial no | 1.3 Developing a design basis for an experiment |  |  |  |  |
| DAY 1: 1.3.1 | 14:20-14:50 | 30 | Case example of EPSP experiment | SURAO/M arketa Dvorakova | presentation |
| DAY 1: 1.3.2 | 14:50-15:20 | 30 | Scoping the DOM PLU experiment (case DOM PLU) to meet the requirements and challenges - a project management perspective. Moving from the initial design to an experiment in place. | SKB/Pär Grahm | Brief intro to DOM PLU and lecture |
| DAY 1: 1.3.3 | 15:20-16:25 | $15+50$ incl. break | Exercise 1: Group work on WBS method in scoping an experiment or a technical development project | Students \& Pär Grahm | Intro to exercise and partipants' work |
| 16:25-16:30 5 |  |  | Short break for presentation setup |  |  |
| DAY 1: 1.3.4 | 16:30-17:00 | 15+10 | Presentation of Exercise 1 results on structuring a technical development project and feedback. Summary by tutor moved to DAY2 | Student groups and SKB/Pär Grahm | exercise report and feedback to exercises |
| 17:00 |  | End of Day 1 |  |  |  |




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| DAY 3: 7.1 |  | 30 | Presentation of the Czech siting programme | SURAO/Lukas Vondrovic | presentation |
| DAY 3: 8 | $18: 00$ - until 20:20 | $76+60$ <br> Movie night in Prague at SURAO with related <br> discussions <br> End of Day 3 | Movie - Into eternity (Marjatta - discussion <br> moderation) | SURAO info center |  |



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| DAY 5 | Location: Prague CTU | Duration | Chair of the day: Radek Vasicek | Organisation and Tutor name ( $\mathrm{n}=10+1$ ) | Activity type |
| 18.9.2015 | Time |  |  |  |  |
| M aterial no | 4.3 How to further apply the lessons learned for the future (Learning Unit 4) |  |  |  |  |
| DAY 5: 4.3.2 | 8:35-9:25 | 50 | Preparing for ELSA experiment (not yet an in-situ experiment) | GRS/Andre Rübel | lecture/ presentation with link and summary view |
| 9:25-9:50 20 |  |  | Coffee break |  |  |
| DAY 5: 4.3.1 | 9:50-10:45 | 55 | How the lessons learned can be applied to programmes not yet in demonstration stage - Case of RWM incl. co present. | RWM/Dean Gentles | lecture with summary view, too |
|  | 10:45-10:50 | 5 | Short layout arrangement break |  |  |
| 4.2 Working methods underground and for experiments (Learning Unit 4) |  |  |  |  |  |
| DAY 5: 4.2.1 | 10:50-12:05 | $\begin{array}{r} 40 \min +35 \\ \min \end{array}$ | Panel on experiences, constraints and lessons learned (5-10 min intro by each, Q\&A, discussions) | SKB/Pär Grahm +Posiva/Petri Koho; CTU/J.S. SURAO/M arketa D.; GRS/Andre, RWM / Dean; Andra/ Regis Foin, + moderator \& chair M arjatta \& Radek | interactive panel |
| 12:10-13:10 |  |  | Lunch break |  |  |
| DAY 5: 10.1 | 13:10-14:30 | 80 | Reporting of exercises 2-5 by participants | 6 group presentation of participants. Exercise 2 , both groups each 15 min with commenting; for Exercise 3 only one and Exercise 4 only one, each 10 min including commenting, Exercise 5 both groups 10 min each (Tutors: UJV, CTU, Posiva including commenting) | participants' activity, interactive feedback |
| 14:30-14:40 |  |  | Coffee break |  |  |
| DAY 5: 10.2 | 14:40-14:45 | 5 | Instructions for returning exercise reports | Posiva/M arjatta Palmu | instruction |
| DAY 5: 11 | 14:45-15:45 | 60 | Summary, assessment and feedback discussion | Posiva/M arjatta Palmu, CTU/Radek Vasicek | teaching and assessment discussion |
| Closing of Training Workshop |  |  |  |  |  |
| DAY 5: 12 | 16:10-16.40 | 30 | Tutors' summary feedback discussion after closing (max. 30 min ) | Radek, Petri, M arjatta, Dean | review of implementation |
|  |  |  | Permission for Into Eternity movie screening: provided by M agicfilms DK via email |  |  |
|  |  |  | Permissions to publish photos from all participants/tutors given. <br> Feedbacks on exercise reports given and tutors' feedback meeting held late September. |  |  |
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