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Minutes of Meeting User Forum 2021

Scandic Sjølyst, Oslo
 16.11.2021 – 16.11.2021

INITIATED BY	WRITTEN BY	PRESENT	ABSENT	INFORMATION
Michael Belsnes	Ellen Krohn Aasgård			

PARTICIPANTS

PROJECT NUMBER / REFERENCE	DATE OF DISTRIBUTION	CLASSIFICATION
	16.11.2021	

AGENDA

- 9.00 General information
- 9.30 IT Technology advances and strategy
- 10.00 Input to consider in the IT-strategy
- 10.30 Break
- 10.40 Roadmaps and release plans
- 11.00 Input to roadmaps
- 11.30 Lunch



MINUTES OF MEETING

General information

Michael informed about current measures for limiting the spread of corona virus, as well as the plan for the User forum and user meeting.

Welcome and introduction

New responsible for ProdRisk, Hans Olaf, was introduced. Michael informed of the new board for the model project at SINTEF. The board consists of research managers of the three research groups working with hydropower modelling in SINTEF: Market, Operations and Analysis.

Maintenance 2021

Budget and incurred costs so far in 2021 show that some funds must be transferred to next year, due to lack of resources related to LTM. This will be handled internally by SINTEF, and we are also looking to hire new people or hire external consultants for specific tasks. We are in the process of establishing new contracts for additional services on SHOP, which will be finished by the end of the year.

Q: How many full-time employees does the maintenance budget cover? SINTEF can update the presentation.

Annual account 2021 and budget 2022

Common activities and admin: we have updated the contract template to 2018-version. Every company should have both a licence contract and a maintenance contract, and we have done some work on getting everything up to date but there are still some companies missing. SINTEF will contact them directly. We have also made contracts for new services for SHOP, which we plan to finalize for all customers partaking in the services by the end of the year. We have also investigated how to comply with new GDPR requirements. We have also worked with defining a release management process for the models. We have hired a developer from Evry to do, and plan on implementing the process from next year. See presentation for details. Contracts with IBM for high performance option (HPO) for cplex is under renegotiation. We are trying to get the same terms as before, and we hope that the price increase will be comparable to standard index regulation.

Error statistics

Bernt and Hans Ivar presented the statistics for bugs on LTM and SHOP. Often we see an increase in bugs right after a new release is taken into use, but then it decreases when testing is done and the first bugs are fixed.

Product Forums

2 forums pr. year for SHOP, 1 pr. year for ProdRisk. LTM meets when needed, but nothing specific plan for 2022 now.

License funded projects, status

Modsync – synchronise communication between models, specifically SHOP and ProdRisk. So that all information can go through the api.

InGrid – include grid operations in short-term modelling

Fansi upgrade to v10 – not started this year.

Test system LTM – in progress. One step linking is finished and framework for test system is established.

Education at NTNU for hydropower scheduling

New course on short-term scheduling for 2.5 ECTS, and the "regular" hydropower production scheduling course for 7.5 ECTS. Both are to be arranged in spring semester 2022. SINTEF should supply an email with information about the courses so that it can be distributed easily in the companies.



IT Technology advances and strategy

Michael presented some ideas and concepts for interface and architecture for the models. This as been investigated in the ModSync project, and we are now planning how to better align the interfaces of shop and ProdRisk. Her trenger jeg hjelp til å beskrive hva som egentlig var poenget med denne delen?

Q: how does this relate to ngLTM?

Break.

Roadmaps for models

ProdRisk – two new versions of ProdRisk is planned next year, 10.3 and 10.4. See presentation for detail. In summary, 10.3 will include automatic testing and release process (at SINTEF), as well as new penalty functionality from Hydrocen. 10.4 will include new cut format from Hydrocen and a message system in the API. We also plan to develop a ticket system on the ProdRisk Portal, and when we have Linux version ready, we can also facilitate for how to use ProdRisk on the Lab that has been developed for SHOP. More information will be given in the ProdRisk forum in jan/feb. Q: will there be any changes in the API? No change in API is planned. If we see the need for a change we will let users know well in advance. For research projects, there are ProdRisk-related activities in Hydrocen and we also plan to start up the IMPRO project from January.

LTM – We had the first official release of v10 in June this year. Some users are using it operationally already, and the rest have plans to follow. No known serious errors in the new version we will release now in November 2021. Many are still using v9, but we will stop maintenance on this version from January. The LTM-project has a summer student that contributed to developing a test system for LTM. The system found some new bugs that we have fixed, and will also be building block for a full, automatic test system. Automatic test system is on the plan for 2022, as well as updates of the documentation. See presentation for other planned activities in 2022. Two releases are planned next year, in June and November. Q: documentation in a big, single pdf is difficult. Is it possible to do it in another way? We have done some work on this, but need to do to finalize. Maybe we can hire someone to do this?

SHOP – version 14 is now defined as the stable, main version of SHOP. 2 releases are planned in 2022, in Feb and Sept. plans for next year is conutious testing, move to GitHub and update release procedures, as well as other things (see presentation for details). Regarding functionality, we want to integrate physics-based modelling (river, tunnels etc), new technical modules and algorithmic development for multiple scenarios.

TASKS

TASK NO	TASK	RESPONSIBLE	DUE DATE
1	Update presentation with corresponding full time employees for maintenance budget	SINTEF	
2	Send out email with information about NTNU course to all	SINTEF	
3			