



USER FORUM MARCH 2019

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Produksjonsplanlegging 2019



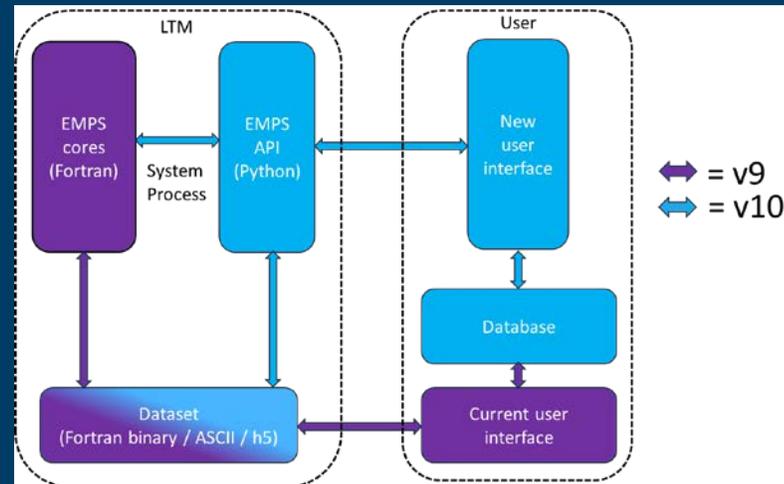
International collaboration



Hydro Scheduling [workshop](#) in Stavanger

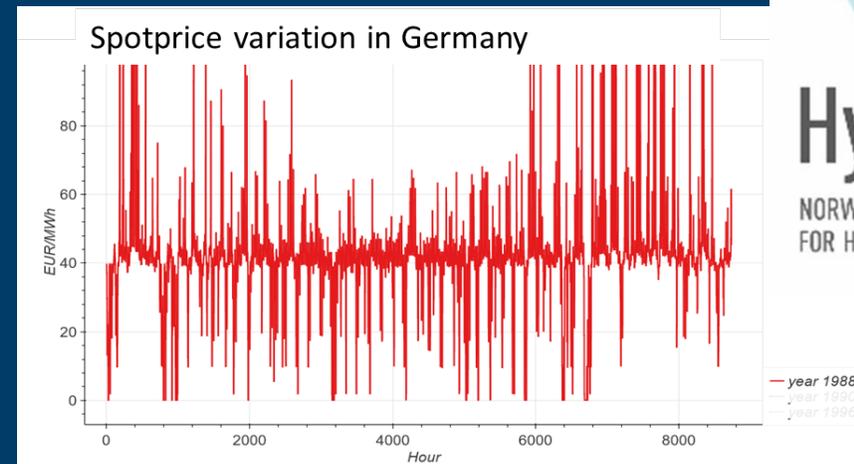


LTM – time series API



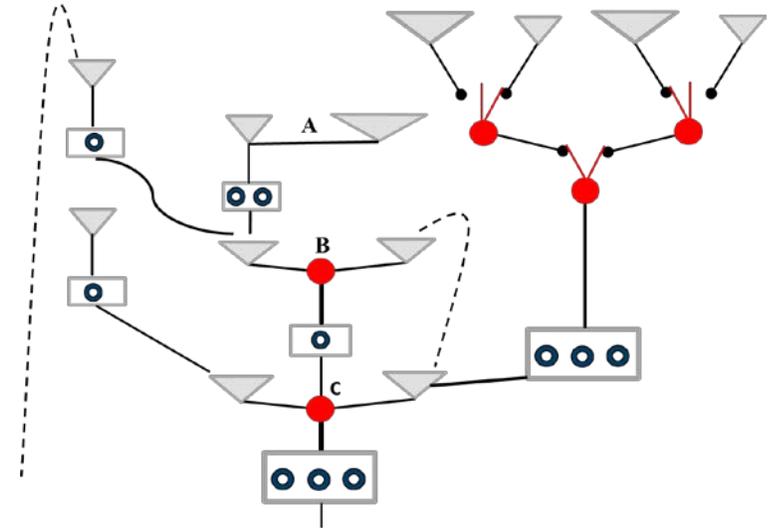
Sold 10 licenses accumulating to 1,6 mill NOK

ProdRisk – SHOP simulator

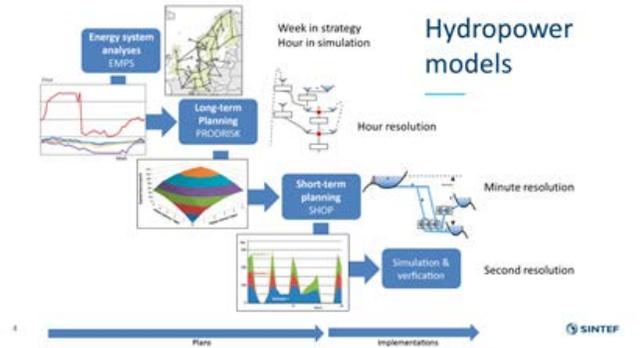


Content

- Organization of the maintenance project
- Economy
 - Budget 2019, and previous years
- Error statistics and their development
- Special activities 2018
 - Test system LTM
 - 2018 - Core development – SHOP
 - 2019 - ProdRisk – SHOP API
- Establishment of a reference group?
- Break-out session

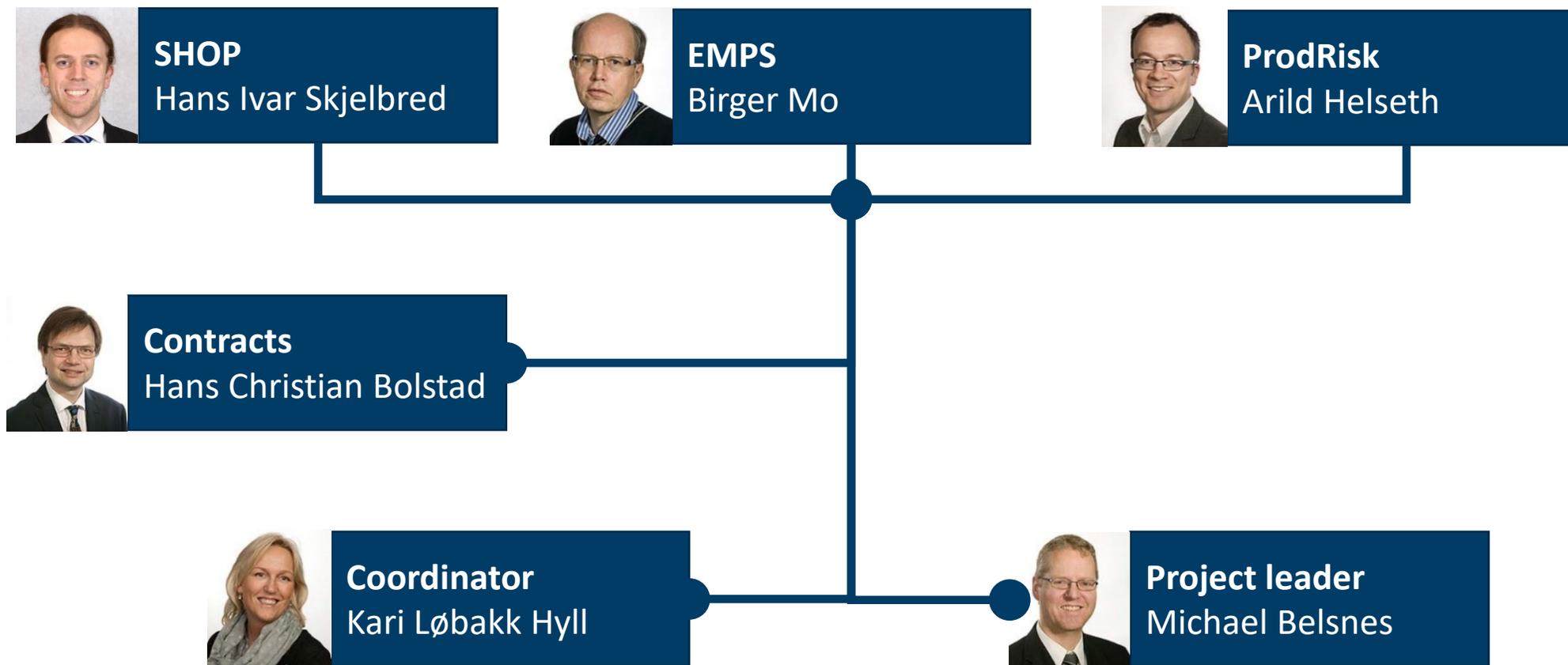


The maintenance project



- Comprices all hydropower scheduling models where SINTEF Energy deliver maintenance:
 - EMPS (Samlast and SamNett), EOPS, ProdRisk, SHOP (SHOP Simulator), SHARM
 - Customer list of 35+ customers with one or more licenses
- SINTEF is a Non-profit organization, what we bill on the maintenance project is what we are using in the project.
- Sold licenses are used on the models

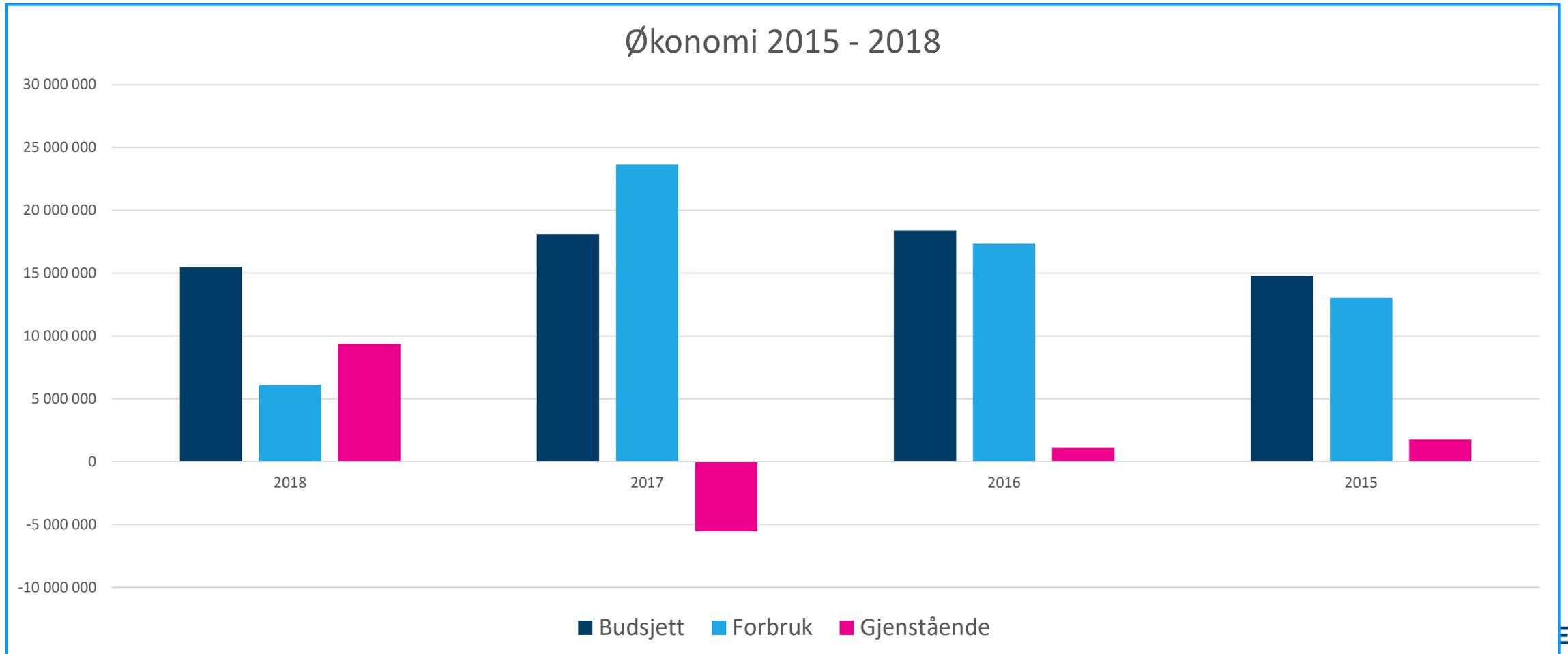
Project organization



Tasks

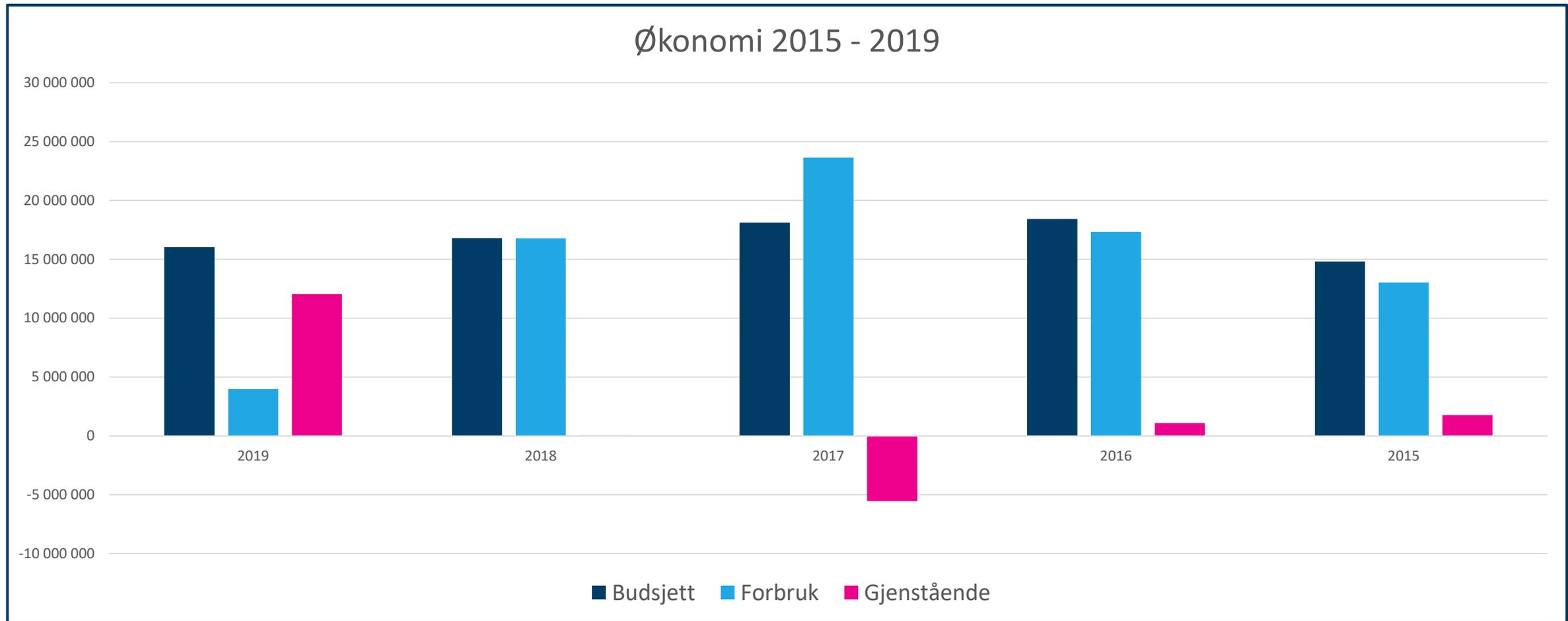
- Project meetings every 2-3 week
 - Budget for next year – distribution between models and tasks
 - Budget follow-up – budget revision
 - Budget approval by the model responsible
- Resource planning
 - From 2020 we will switch to 3 year budgeting
- Follow-up on license-initiated projects
- New sales

Budget: 2015-2018 (Brukerforum mai 2018)

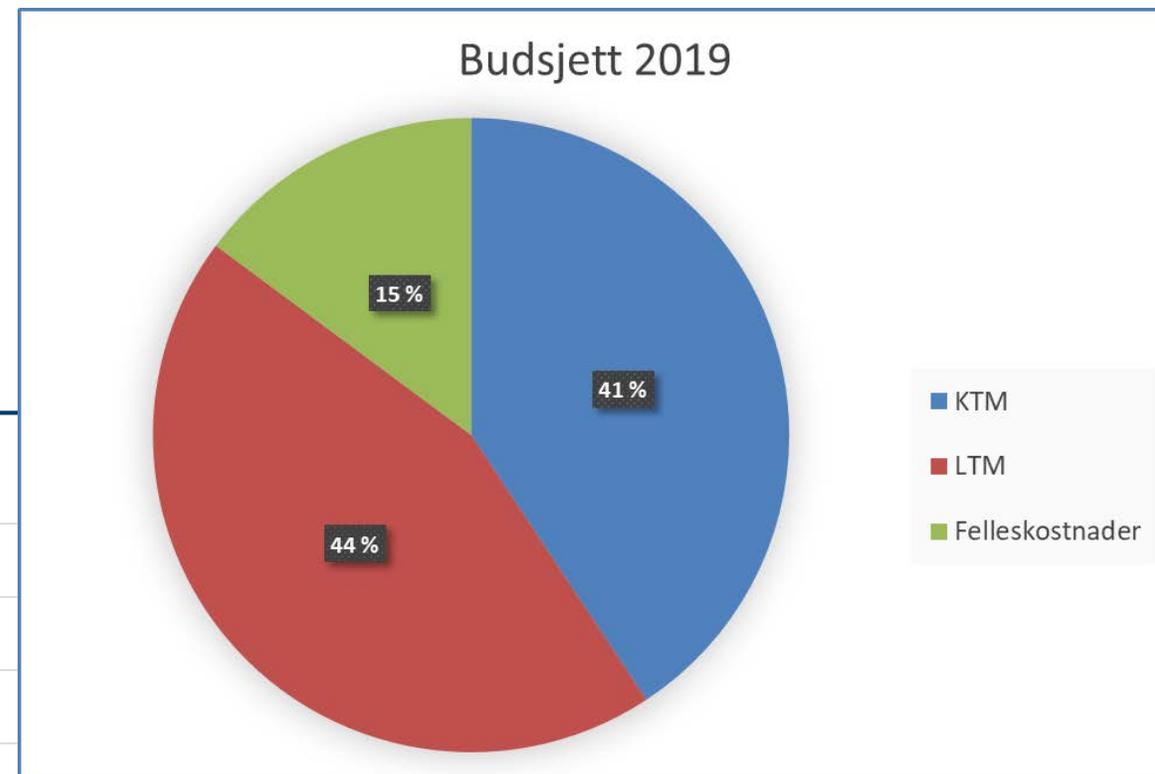
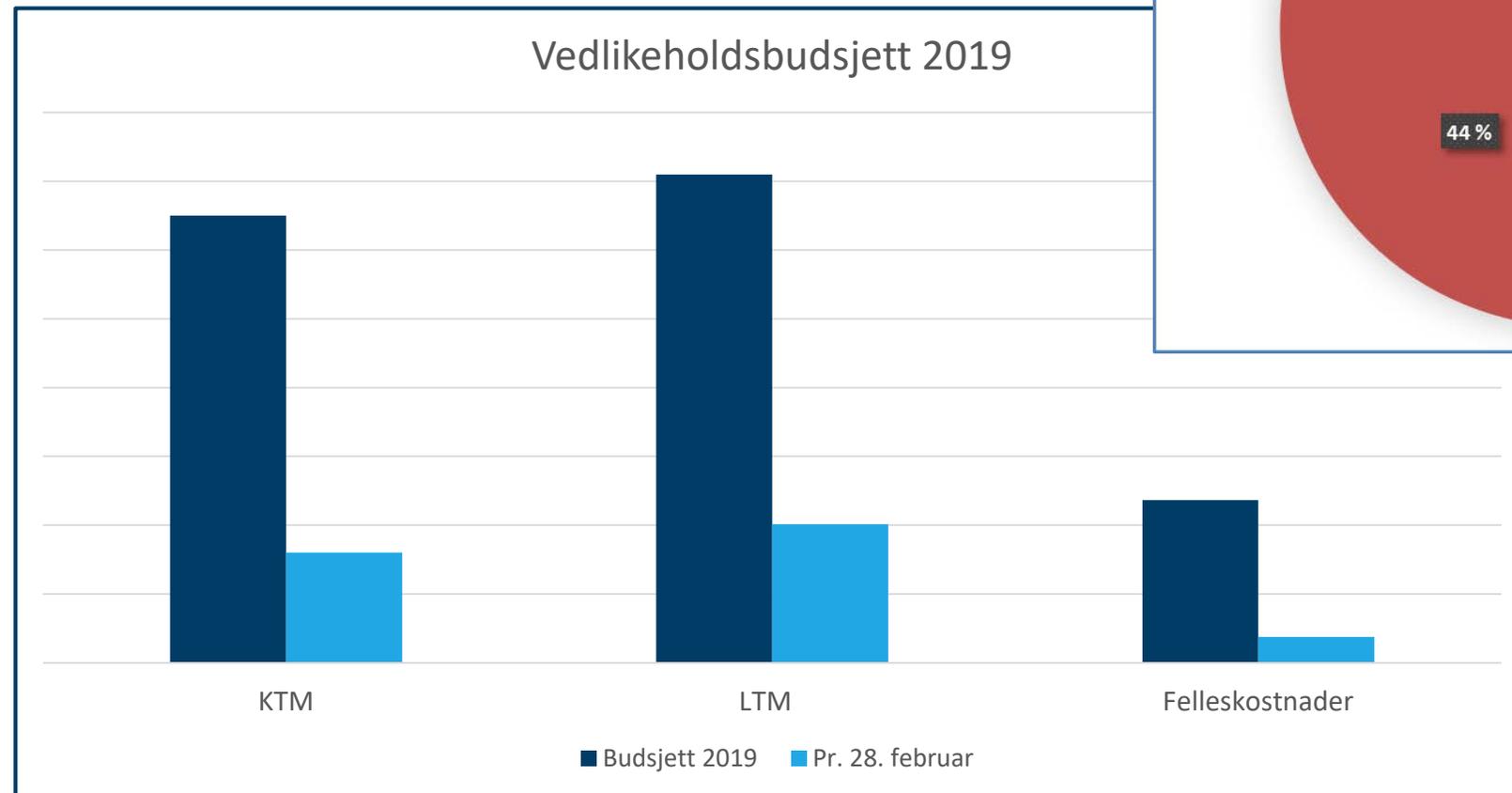


Budget: 2015-2019

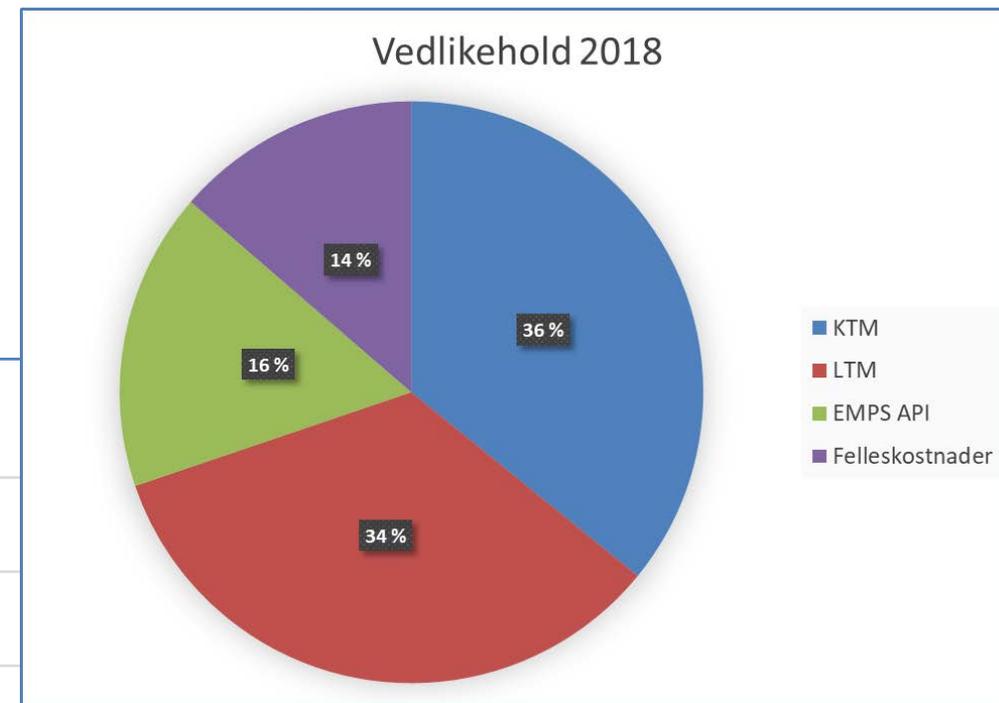
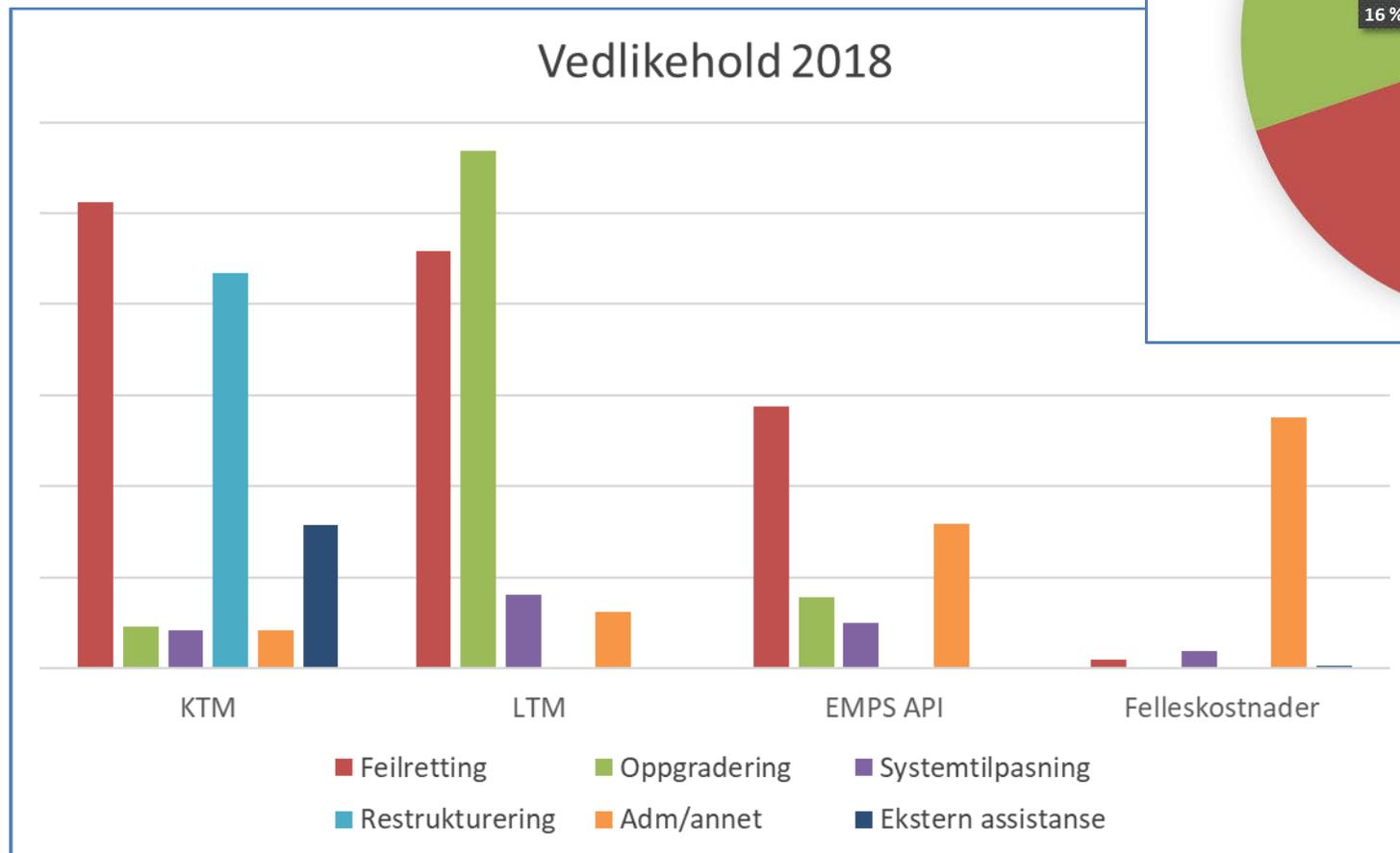
Økonomi 2015 - 2019



Budget 2019



Dist. between activities 2018



Activities within the license project

- 2018
 - Phase 1 of a test-system for the LTM models (PL – Birger Mo)
 - Short-term: Establishing minimum auto testing of new versions
 - Long-term: 1. step compiling-linking, integration server, test system.
 - API and V10 activities (PL – Birger Mo)
 - SHOP core development (PL - Hans Ivar)
- 2019
 - ProdRisk – SHOP-API (PL – Hans Ivar)

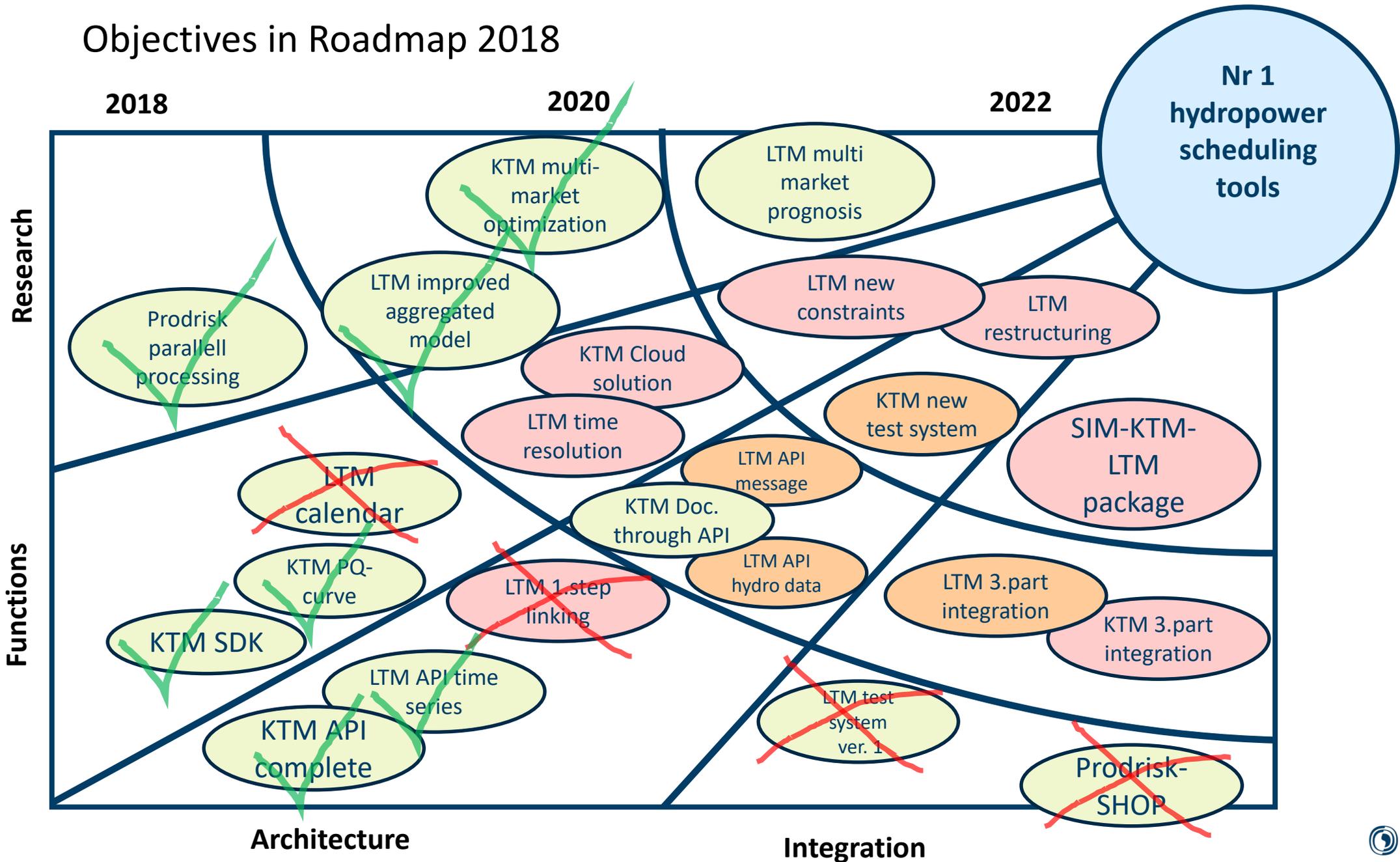
High Performance Option in the models

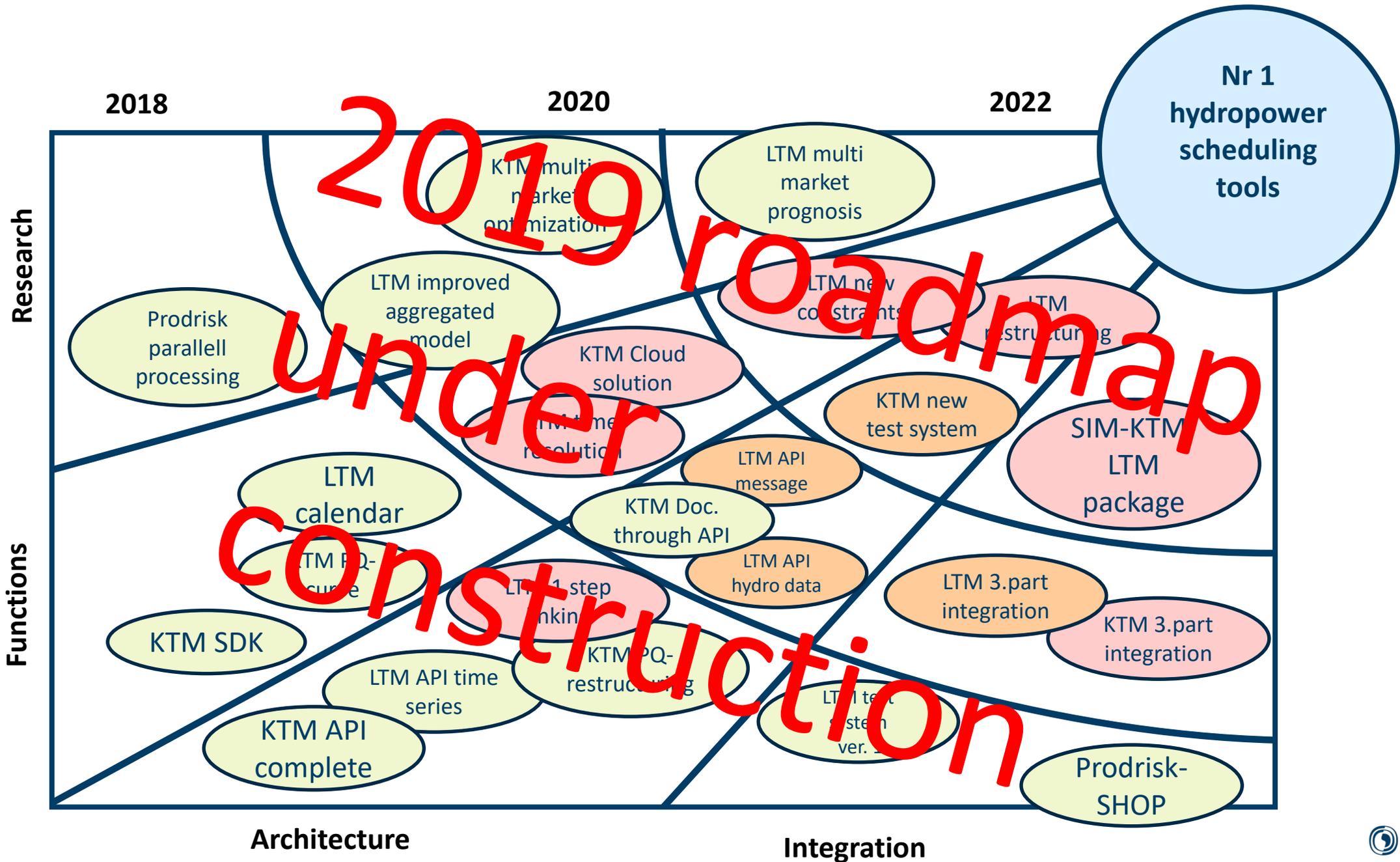
- SINTEF and Powel both has signed agreements with IBM regarding optimization capacity to our software. The agreements a bit different in coverage.
- Wherever Powel and SINTEF has a common delivery we practice an joint dialog about how this can be handled in the best way for all involved parties.
- In models where SINTEF delivers optimization capacity this add-on has the name High Performance Option and includes interfaces and structures in the model that enables runtime use of CPLEX.
- In case of questions contact Michael Belsnes or Bjørn Holmvik

Reference Group

- Would it make sense to have a smaller group for more frequent discussions that can advice ?
 - Possible to go more into details regarding economy and operation
 - Contribute in planning of the user forum
 - WEB based meetings 2-4 times a year
 - Number of participants ~4
 - Elected for one year at the time
- Would you be interested in participating in such a group?
 - Let us know.

Objectives in Roadmap 2018







Technology for a better society

