



— 70 years —  
1950-2020

# PRODRISK NEWS

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# Prodrisk Team

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Hans Olaf



Stefan



Siri



Knut



Arild

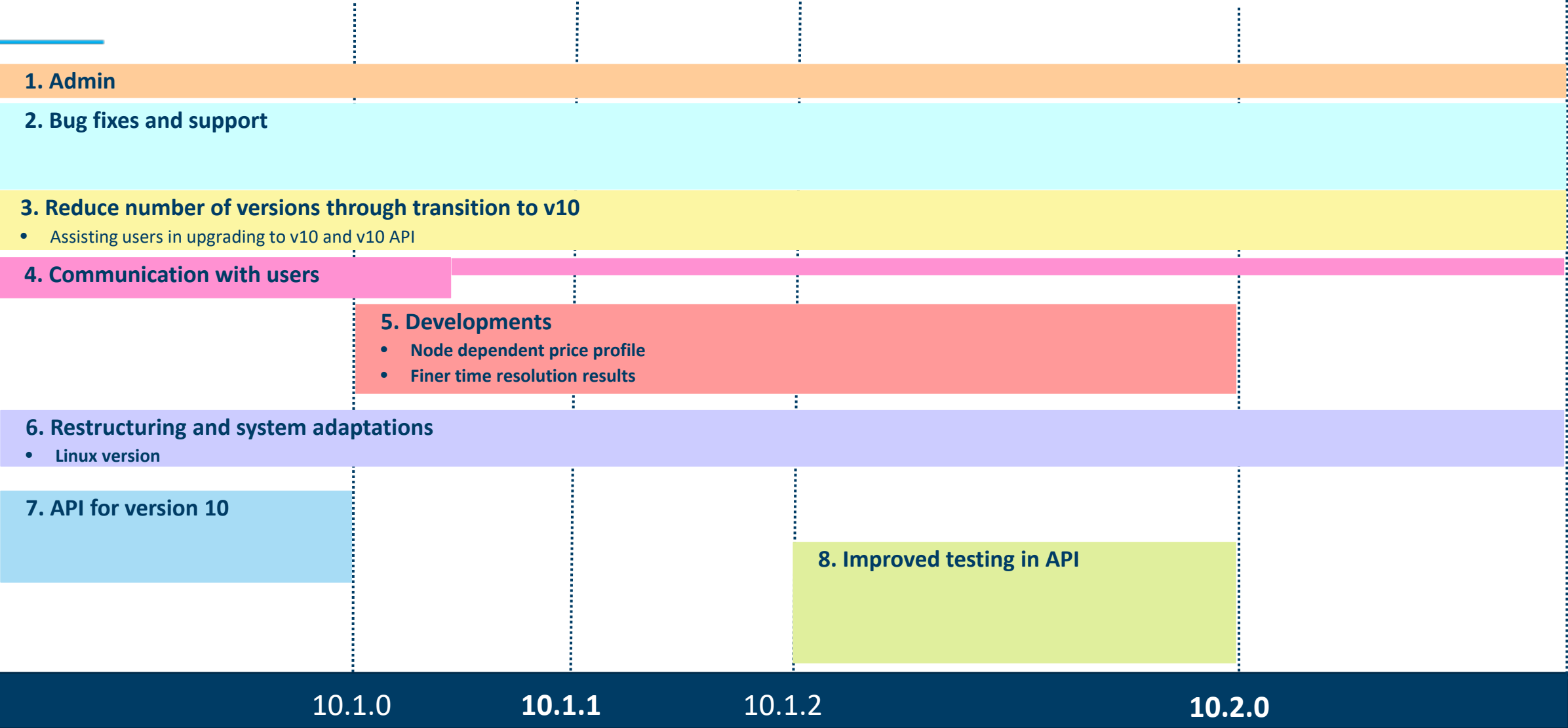


Bernt

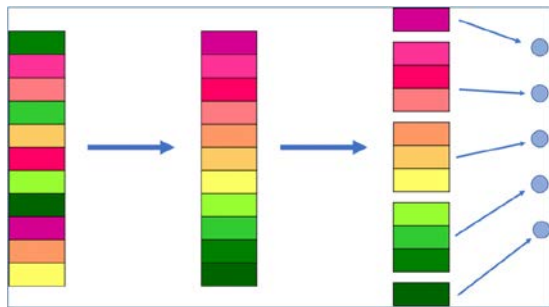


Birger

# ProdRisk maintenance activities 2021



# New features 2021



Node dependent intra-week price profile  
(10.1.2, June)

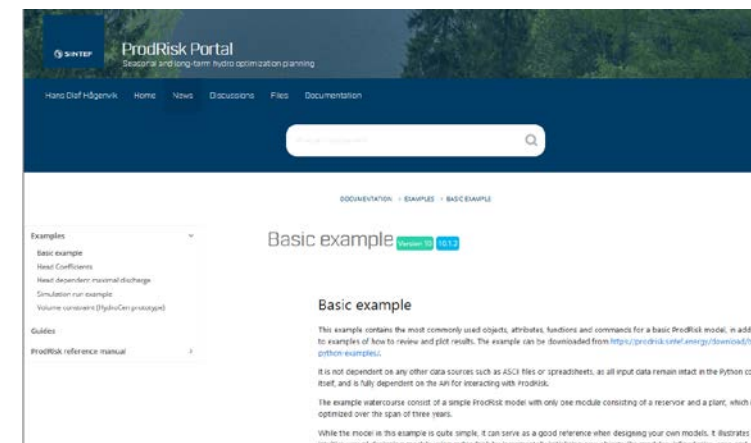
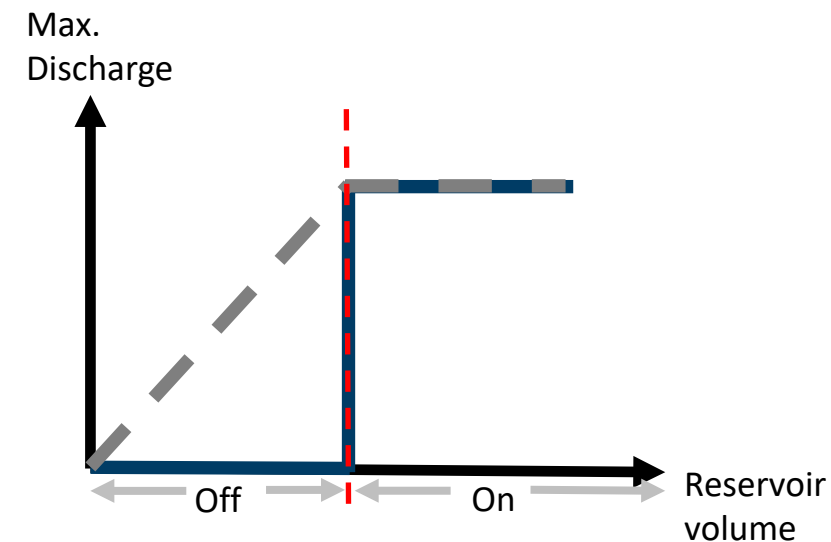


Results with sequential price period resolution  
(10.2.0, November)

- Robustness and minor features in interfaces
  - LTM applications / LTM API
  - ProdRisk API

# ProdRisk relevant activities at SINTEF

- Research projects
  - HydroCen WP 3.3, ProdRisk – SHOP simulator
  - HydroCen WP 3.4, Environmental constraints
- Industry projects
  - ProdRisk Portal
  - Improved Stochastic Inflow Modelling in Prodrisk (IMRPO)



# Status ProdRisk versions

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- Version 10
  - ProdRisk follows the LTM release plan.
  - 10.2.0, November 2021
  - 10.3.0, June 2022
- Version 9
  - Stop maintenance of version 9 from January 2022.
    - Version 9.9
    - ProdRisk API 9.6.2 and 9.6.3.

# ProdRisk – shortterm roadmap

Activity	Estimated cost* [kkkr]	Planned in release	Activity type
Admin	150		
Bugfix and support	600	All Releases	E
HydroCen open calls: penalties	150	10.3.0	F
HydroCen open calls: cuts.h5	150	10.4.0	F
Elimination of redundant cuts	100	10.4.0	F
Restructuring	550	10.3.0	R
Message system	100	10.4.0	F
Automatic build/test/release	100	10.3.0	S
Portal/lab	100	10.4.0	S

Activity type	
Error correction and documentation	E
Restructuring	R
Functionality	F
System adaptations	S

# ProdRisk – longterm roadmap

Activity from	
Maintenance	M
Research	R
Development	D

Activity	Type	From project (acronym)	Short description
New stochastic inflow model	R/D	IMPRO	Improved stochastic inflow model
Maintenance planning	R/D	OMPA	Optimal Maintenance Planning with ProdRisk
Reserve markets	R	IBM	Operationalize prototype functionality
Environmental constraints	R	HydroCen 3.4	Operationalize prototype functionality
Include other methods?	R	-	Supplementary methods to SDDP?
Update data structures	M	MODSYNC	Continue work from MODSYNC
New model generator	M	-	Test model generator from SHOP in ProdRisk
Automatic testing	M	-	Test functionality and run on user cases





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Teknologi for et bedre samfunn