

Athens Forum

Single Day-Ahead Coupling

Web-meeting, 11 June 2021

Miha Pregl / Ole Jacob Høyland

SDAC Co-chairs

SDAC – key figures

1

algorithm calculating prices and flows*

17

minutes to solve a large and complex optimization problem*

98,6

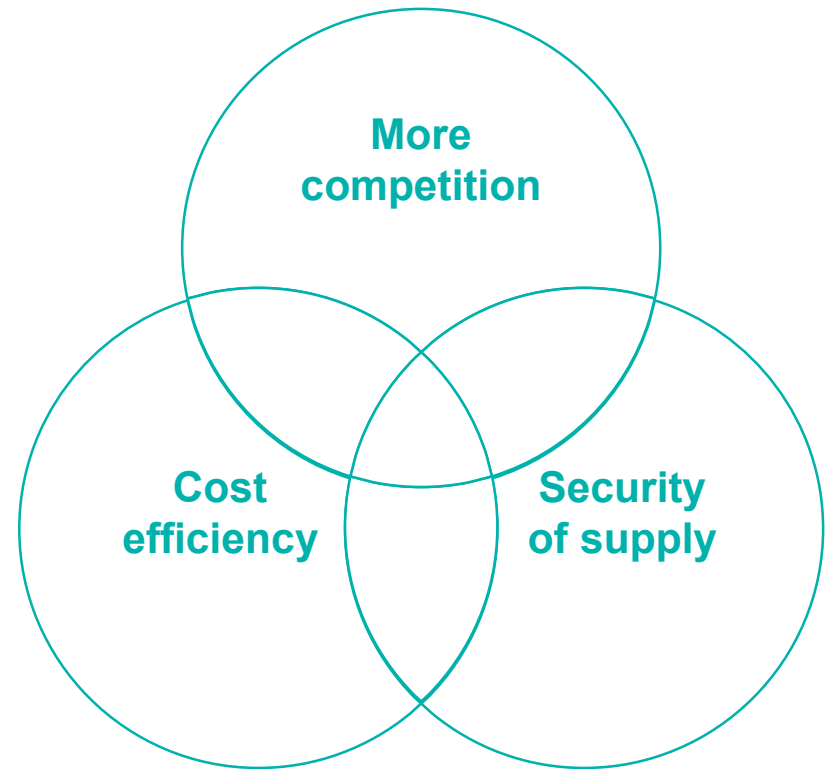
% of EU is coupled*

1530

TWh / year in one market solution (daily 2020 average: 4,19 TWh)

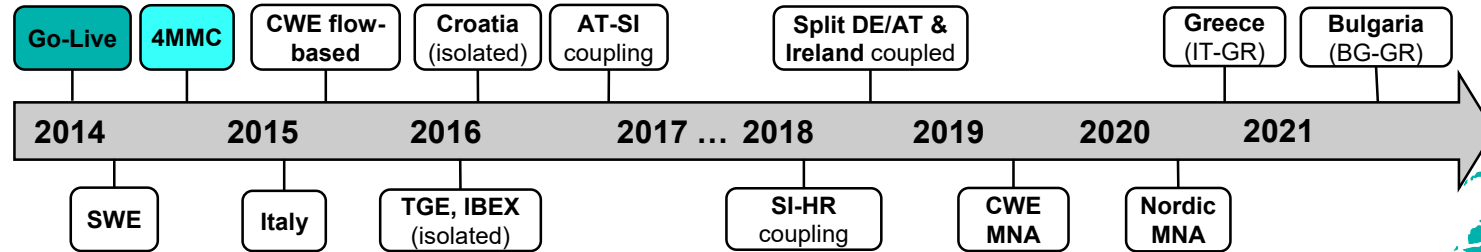
>2650

successful market coupling sessions since launch in Feb 2014



* 1) after go-live of Interim Coupling mid-June, 2) Only Ireland & Northern Ireland are operated in isolation due to missing interconnection capacity after Brexit.

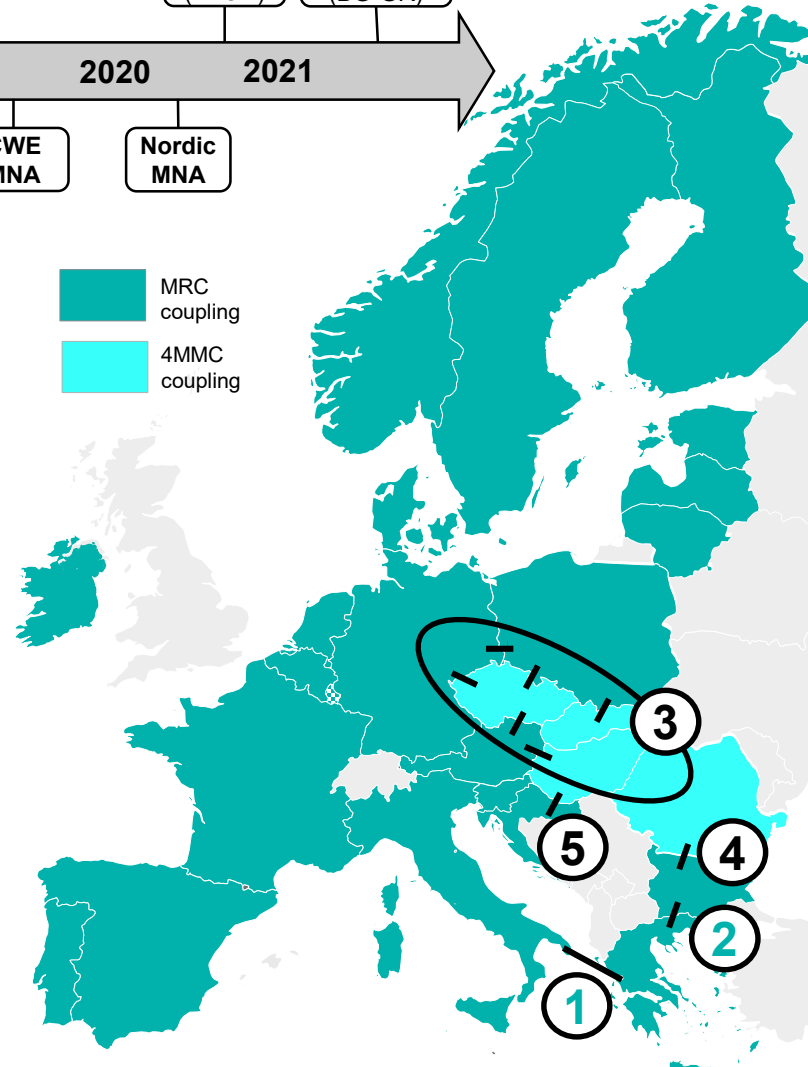
SDAC roadmap – extensions



- 1 Greek – Italian MC Project**
 - Go-live: 15/12/2020 with delivery day 16/12



- 2 Greek – Bulgarian MC Project**
 - Go-live: 11/05/2021 with delivery day 12/05



PLANNED

- 3 Interim Coupling Project (DE-AT-PL-4M)**
 - Go-live: 17/06/2021 with delivery day 18/06

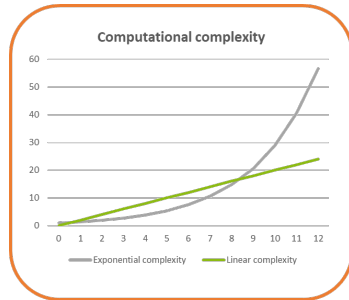
➔ One Single Day-Ahead Coupling

- 4 Bulgarian – Romanian MC Project**
 - Precondition: successful delivery of the ICP
 - Go-live window: up to 3 months after go-live of the Interim Coupling Project

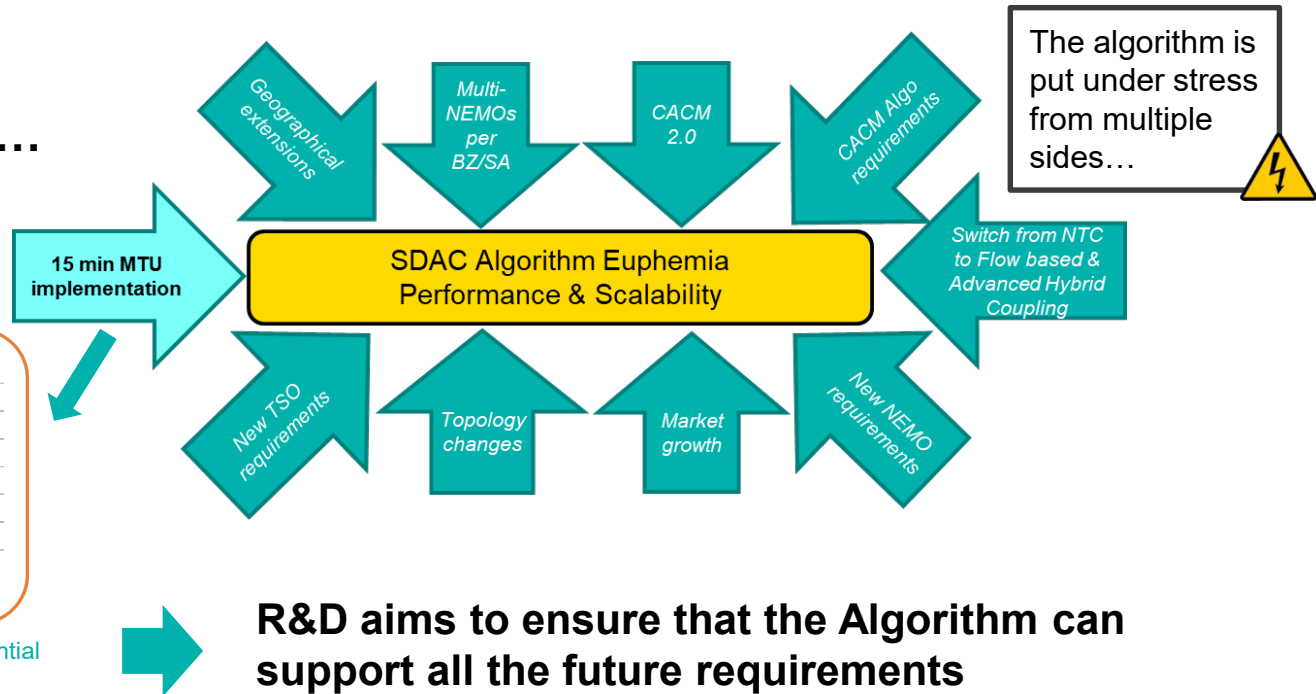
- 5 Croatian – Hungarian MC Project**
 - Will be included with CORE FB project go-live

SDAC roadmap - improving performance of Algorithm ...

.... remains the major challenge ...



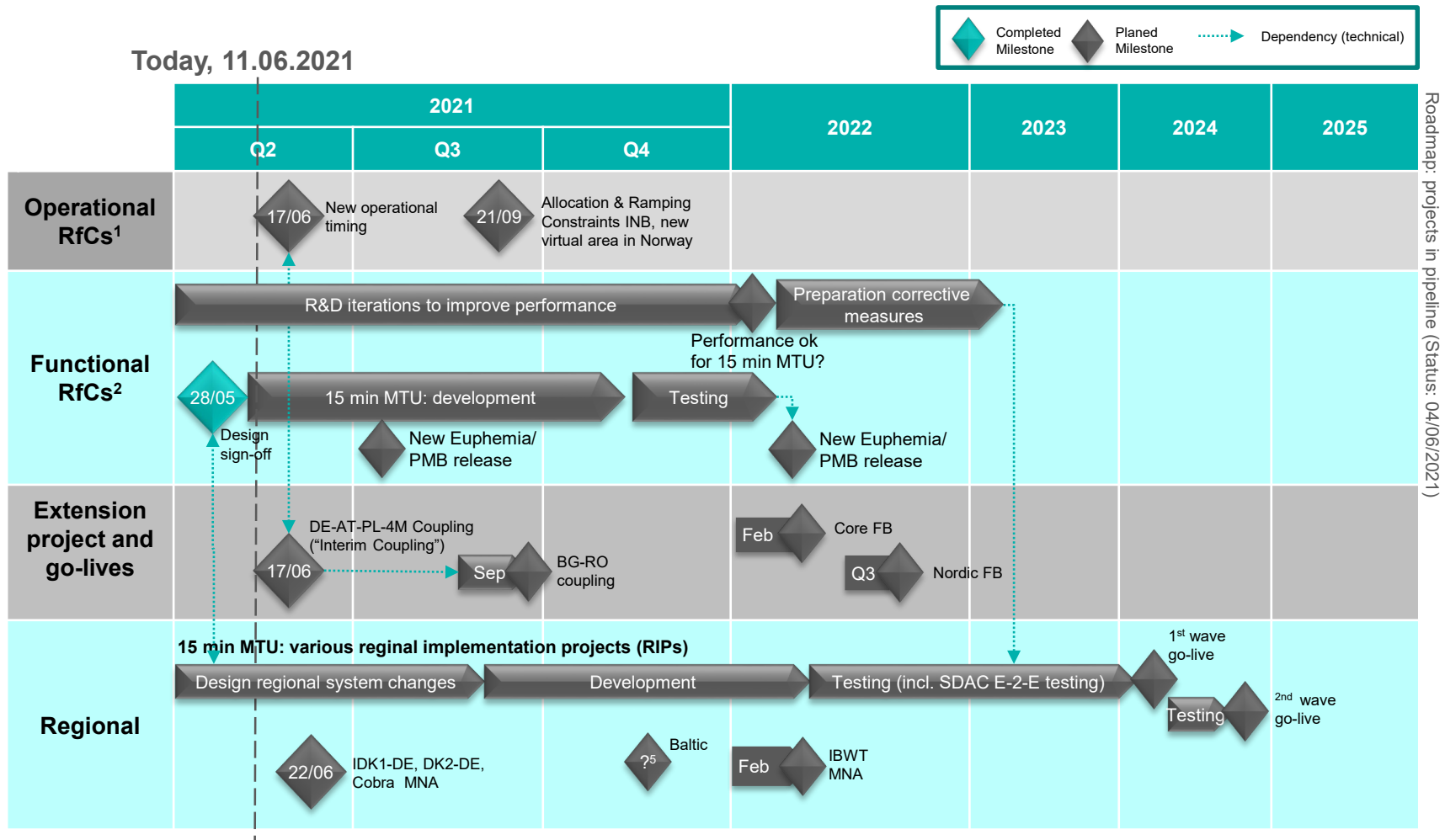
Not 4 times higher but exponential increase of calculation time!



... while daily operation needs to be safeguarded.

- Daily market coupling operation runs between 12:00 and 14:00 CET
- Due to other preceding/succeeding operational TSO processes, hardly possible to extent timeline.

SDAC high-level roadmap



¹ Changes of topology, bidding zones, which will have an effect on the operations of the market coupling. Not necessarily related to a change of Euphemia algorithm, but could possibly have as a prerequisite that a functionality is implemented first.

² A change of functionality of Euphemia → requires a change in the algorithm. Hence, linked to algorithm releases.

³ Baltic MNA go-live is pending the entrance of a second NEMO