



flexitranstore

An Integrated Platform for Increased FLEXibility in smart TRANSMission grids with STORAge Entities and large penetration of Renewable Energy Sources

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 774407

Final Project Workshop

Date: 5th May 2022,
Time: 13:00-17:15 CET
Location: online

Link to registration: <https://www.eventbrite.com/e/319510684057>

Start time- end time	Session Description	Presenters
12:30	<i>Open and connect to the online meeting</i>	
13:00-13:20	Welcome to the final workshop of FLEXITRANSTORE project: <i>Overview and key objectives of the project</i>	Dr George Bouladakis (European Dynamics)
13:20-14:00	<i>Lessons learnt of grid technologies for flexibility demonstration</i> - <i>Dynamic line rating</i> for de-icing transmission lines during severe weather conditions, free cross border transmission capacity: lessons learnt from test cases in Bulgaria and Slovenia - <i>Power flow controller</i> to steer power flow of transmission line, reduce congestions, allow extra renewable energy connection and increase transmission capacity: lessons learnt from test cases in Greece and Bulgaria	Prof Balint Nemeth (BME) Mark Norton (Smartwires)
14:00-14:45	<i>Lessons learnt of large-scale storage for flexibility demonstration</i> - <i>Active distribution node</i> with grid-connected storage: lessons learnt from test cases in Cyprus and Greece - <i>Making renewable wind farms flexible with large-scale storage</i> : lessons learnt from test cases in Greece	Juan Antonio (Abengoa) Giovanna Santamaria (Jema)
14:45-15:00	<i>Coffee break</i>	
15:00-15:45	<i>Flexibility platform and market setting enabling flexibility</i> - <i>Flexibility platform</i> to gather data supporting market functioning and decision making - <i>Wholesale Market</i> approach with flexibility services	Nikolaos Bilidis (European Dynamics) Prof Bálint Hartmann (BME)

15:45-16:30	Virtual flexibility simulation lab and PSS - Three-layer control design of real-time hardware-in-the-loop power system simulation platform <i>Computing and Control Laboratory</i> to simulate real-time system behaviours with flexibility - <i>Adaptive models</i> for grid behaviour prediction with PSS	Prof Pedro Rodriguez (LIST) David Pampliega (Schneider)
16:30-17:00	Panel discussion: necessary steps to deploy flexibility technologies within the European transmission systems	Representative from TSOs, moderated by Thong Vu Van (EMAX) and Mark Norton (Smartwires)
17:00-17:15	Wrap up the workshop	Dr George Boultadakis (European Dynamics)

FLEXITRANTORE project:

FLEXITRANTORE (An Integrated Platform for Increased FLEXibility in smart TRANSMission grids with STORAge Entities and large penetration of Renewable Energy Sources) is an EU-funded project under HORIZON 2020 framework, (Grant Agreement) number 774407, starting from 1/11/2017 and lasting until 30/04/2022. The project develops a next generation power system flexibility assessment platform, sheltering applicable simulation tools and innovative pilot projects that are all targeting to assess and improve the flexibility resources of the pan-European transmission system.

The consortium consists of 30 partners, including TSOs, DSOs, NRAs, market operators, service providers, manufacturers and the pilot projects are deployed in eight Demonstrations which takes place in five countries (Greece, Bulgaria, Cyprus, Slovenia and Spain). FLEXITRANTORE focuses on illustrating technology and market innovations for clean energy transition, while serving real needs and existing challenges in their respective regional installations.

Consortium Partners:



Further information at:

- Website: www.flexitranstore.eu
- LinkedIn: @FLEXI_H2020