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**Newsletter no. 2, April 2019**

**System operation & flexibility solutions required to meet the ambition of 50% renewables on the European electricity grid by 2030**

Following the first newsletter published in September 2018, EU-SysFlex now presents the second issue. During the past months, we organised the second General Assembly, created an introductory project video, published the first technical deliverables and launched our blogging platform.



EU-SysFlex explained in a video

## ALL AVAILABLE PROJECT RESULTS

From December 2018 to March 2019, we published 8 new public deliverables in 6 different Work Packages. Work Package 2 includes a state-of-art literature review, EU-SysFlex scenarios and models for simulating technical scarcities. The deliverable of Work Package 3 is business use cases for innovative system services. Work Package 4 published a deliverable on the qualification trial process for technology integration. Demonstrators system use cases were produced by Work Package 6. The deliverable of Work Package 8 is on demonstration specification for field testing aggregation approaches. And, finally, Work Package 10 published a public report on the selection of KPIs for the demonstrations.

- [State-of-the-Art Literature Review of System Scarcities at High Levels of Renewable Generation](#)
- [EU-SysFlex Scenarios and Network Sensitivities](#)
- [Models for Simulating Technical Scarcities](#)
- [Business Use Cases for Innovative System Services](#)
- [Qualification Trial Process for technology Integration and trialling of System Services](#)
- [Demonstrators system use cases description](#)
- [Demonstration Specification for Field Testing Aggregation Approaches for Multi-services Provision from a Portfolio of Distributed Resources](#)
- [Report on the selection of KPIs for the demonstrations](#)

## NEWS AND EVENTS



### EU-SysFlex was presented at a brainstorming workshop of TSOs in Tallinn, Estonia

DECEMBER 2018 / EU-SysFlex was presented at a workshop of TSOs in Tallinn, Estonia. The event was organized by Elering and ENTSO-E and focused on the issue of data access. EU-SysFlex can cooperate with TSOs even more to ensure crossborder energy data sharing and easy access to information from smart meters for consumers and other stakeholders.



### Work package 2 finished first three EU-SysFlex technical deliverables

DECEMBER 2018 / Review of possible technical challenges for European grid in next 10 years; Future high renewables scenarios in the EU; and Models to find and solve problems linked to high levels of renewables. [Watch video by EirGrid.](#)



### A DSO perspective on EU-SysFlex by EDP Distribuição CEO João Torres

NOVEMBER 2018 / EDP hosted EU-SysFlex's second General Assembly. As EDP's CEO João Torres highlighted in his address, his company focuses within EU-SysFlex on the interactions between distribution and transmission system operators and on empowering consumers.



### EU-SysFlex was presented at Horizon 2020 Energy Info Day

OCTOBER 2018 / EU-SysFlex project was invited to present at the Horizon 2020 Energy Info Day. Project Director John Lowry discussed the most important steps and key challenges linked to submitting a high-quality Horizon 2020 project proposal.

## IN THE MEDIA

CORNWALL INSIGHT  
CREATING CLARITY



### **Cornwall Insight Ireland: Old friends: the hidden good side of the EU**

JANUARY 2019 / Cornwall Insight recognizes EU-SysFlex as one of the projects to have received EU funding to increase the level of renewable energy integration into the European grid systems and to identify the challenges and solutions to system operation with high penetration of wind, solar and other non-synchronous renewable generation on the electricity networks.

### **EU-SysFlex project was cited in new BRIDGE Newsletter**

OCTOBER 2018 / BRIDGE Newsletter cites EU-SysFlex's activities in 2017 which among others were: presentations at the European Parliament, SET Plan 2017, Eole Industrie 2018 and the Horizon 2020 Energy Info Day, and the launch of the cross-border data exchange platform by Elering and ESO.

## Read our new blog

BlogActiv 

MARCH 2019 / Developing the needed flexibility will require economic incentives provided by well-functioning electricity markets. The objective is to reward the right flavour of flexibility at the right time and on the right place. The 2030 power system will be very different and complex when... [read more](#)

BlogActiv 

FEBRUARY 2019 / Europe has ambitious plans to become greener and more decarbonized by increasing levels of renewable energy and implementing energy efficiency measures. Today, electrical energy accounts for approximately 20% of energy consumption in Europe and is predicted to rise to 40% ... [read more](#)

[Click to see the new infographic for the EU-SysFlex project](#)

[Click here for first project newsletter](#)

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