



CROSSBOW products acknowledged by the European Commission's Innovation Radar

The CROSSBOW project has been acknowledged for its 9 innovative products by the European Commission's Innovation Radar under the Innovation Topic "Smart & Sustainable Society". The innovations, resulting from the Horizon 2020 project CROSSBOW, propose a shared use of resources to foster cross-border management of variable Renewable Energy Sources (RES) and storage units, enabling a higher clean energies penetration whilst reducing network operation costs and improving economic benefits of RES and storage units. The products cover different stages market maturity levels of innovations towards commercialisation.

"We are proud to have our innovation strategy recognized by the European Commission with the presence of 9 innovation products fostering cross-border management of variable RES and storage units in the South Eastern Europe regions." state ETRA (project coordinator) and COBRA (exploitation leader).

Recognised among the best EU-funded innovators

CROSSBOW products make part now of the many great EU-funded innovations identified by the Innovation Radar – and the innovators behind them.

Innovation Radar captures the different maturity levels of innovations towards commercialisation, four innovation categories have been created based on respective scores of the Innovation Management and Innovation Readiness Indicators.

Five of the CROSSBOW products are included within the "Business Ready" maturity level, three within the "Tech Ready" and one within the "Exploring".

"Business ready" CROSSBOW products

The Hybrid RES Dispatchable Unit (RES-DU), Virtual Storage Plants (VSP), Regional DSM integration platform (DSM-IP), Wholesale and Ancillary Market toolset (AM), and Cooperative Ownership of Flexibility Assets Platform (CFP) are considered "advanced on market preparation" and those concrete market-oriented activities like business plans, and end-user engagement ideas have been brought together. This means that they are useful to potential market participants, and that it represents a relevant application in real-life situations.

"Tech Ready" CROSSBOW products

The RES Regional Coordination Centre (RES-CC), Regional Storage Coordination Centre (STO-CC), and Wide Area Monitoring and Awareness System (WAMAS) are considered "advanced on technology preparation". To capitalise on the potential of these innovations, there is a need to focus on transforming these novel technologies into marketable products or services and to prepare its commercialisation.



“Exploring” CROSSBOW products

The Regional Operation Centre Balancing Cockpit (ROC-BC) is considered as in the early phase of technological readiness, but already show high commitment levels from the organisations developing them.

The Innovation Radar

The [EU Innovation Radar](#) is an initiative by the European Commission to highlight innovations with excellent potential from EU-funded research and innovation projects. For the Innovation Radar, independent experts are engaged to evaluate ongoing R&I projects funded by the EU (under Horizon 2020, Framework Programme 7 (FP7), or the Competitiveness and Innovation Programme (CIP)). Because of their inherent neutrality, these experts can provide objective opinions about the relevance of the innovations in the projects and their market potential.

Its goal is to allow every citizen, public official, professional, and businessperson to discover the outputs of EU innovation funding and give them a chance to seek out innovators.

By means of an [intricate methodology](#) to categorise the innovations under assessment, four different maturity levels are then bestowed on each respective innovation. From Market-Ready to Tech-Ready, and from Business-Ready to Exploring, these maturity levels indicate how far along these products are on their path towards commercialisation.

CROSSBOW project: a step forward to foster cross-border management of variable renewable energies and storage units

The 9 CROSSBOW products -acknowledged by the Innovation Radar- aim to help the Regional Coordination Center in the South Eastern Europe regions to facilitate higher RES penetration, whilst reducing operational costs for individual operators – both at transmission and distribution layers. The CROSSBOW results are being evaluated successfully by 8 TSOs in South Eastern Europe.

The project started in November 2017 and will conclude in April 2022. It is made up of a multidisciplinary team of 24 partners from 13 European countries participate among which there are 8 national Transmission System Operators.

This project has received funding from the European Union’s Horizon 2020 research and innovation programme under the grant agreement N° 773430.



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