

# Universal UMEI

Linking active system management to flexibility markets



# SUMMARY

**Start date:**

1st of February 2020

**End date:**

31st of July 2023

**Project total cost:**

€ 9 774 227,50

**EU contribution:**

€ 7 999 997,50

**Type of action:**

Innovation Action (IA)

**Grant agreement ID:**

864334

**Website:**

[euniversal.eu](http://euniversal.eu)

The **EUniversal** project, funded by the European Union, aims to develop a universal approach on the use of flexibility by **Distribution System Operators (DSO)** and their interaction with the new **flexibility markets**, enabled through the development of the concept of the **Universal Market Enabling Interface (UMEI)** - a unique approach to foster interoperability across Europe.

The UMEI represents an **innovative, agnostic, adaptable, modular and evolutionary approach** that will be the basis for the development of new innovative services, market solutions and, above all, implementing the real mechanisms for active consumer, prosumer, and energy communities participation in the energy transition.

# CONSORTIUM

Project coordination: **E-REDES**

The consortium brings together 19 partners from 8 different European countries providing a multi-stakeholder approach.



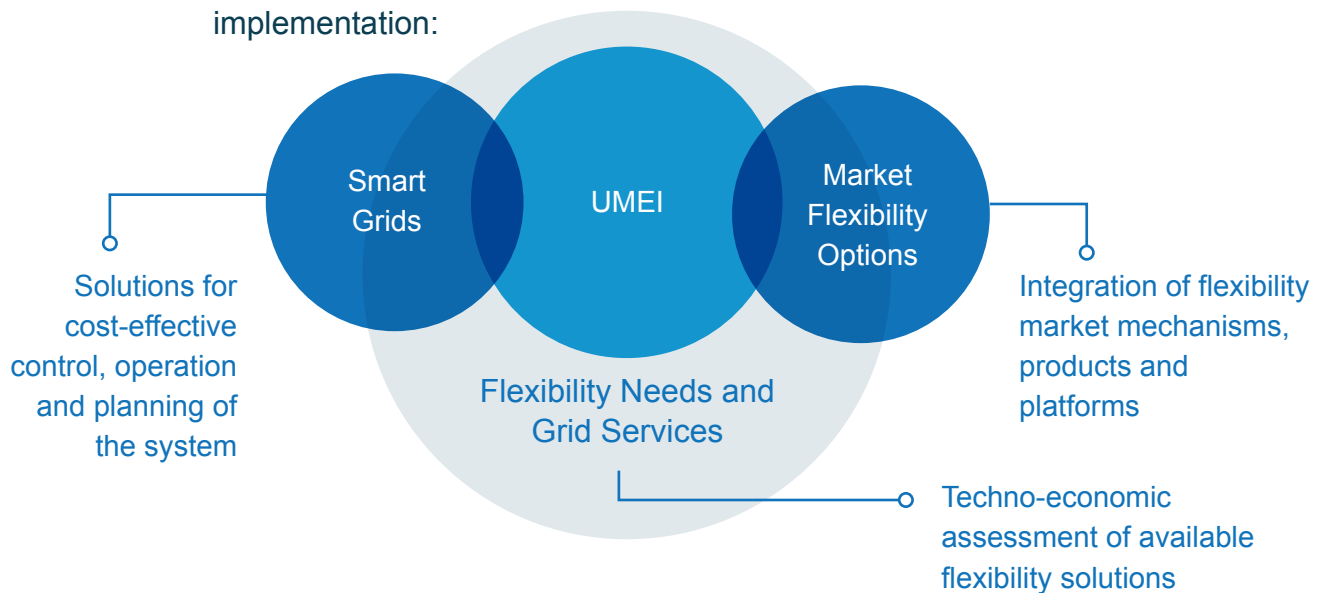
# A UNIVERSAL APPROACH



## Conceive & Develop

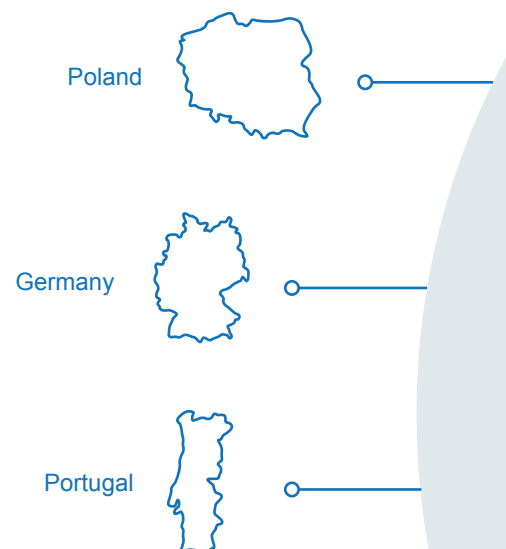
EUuniversal aims to implement the **Universal Market Enabling Interface (UMEI)** concept and develop solutions to ensure effective implementation of an interoperable flexibility ecosystem across Europe.

**How?** A three-fold approach lays down the foundation for this implementation:



## Test & Demonstrate

All these new capabilities will be implemented and tested in **three multi-scale DEMOs** to demonstrate their universality.





## Evaluate & Replicate

The specification of UMEI and of flexibility services will support future system operation standards towards the **implementation of flexibility markets**.

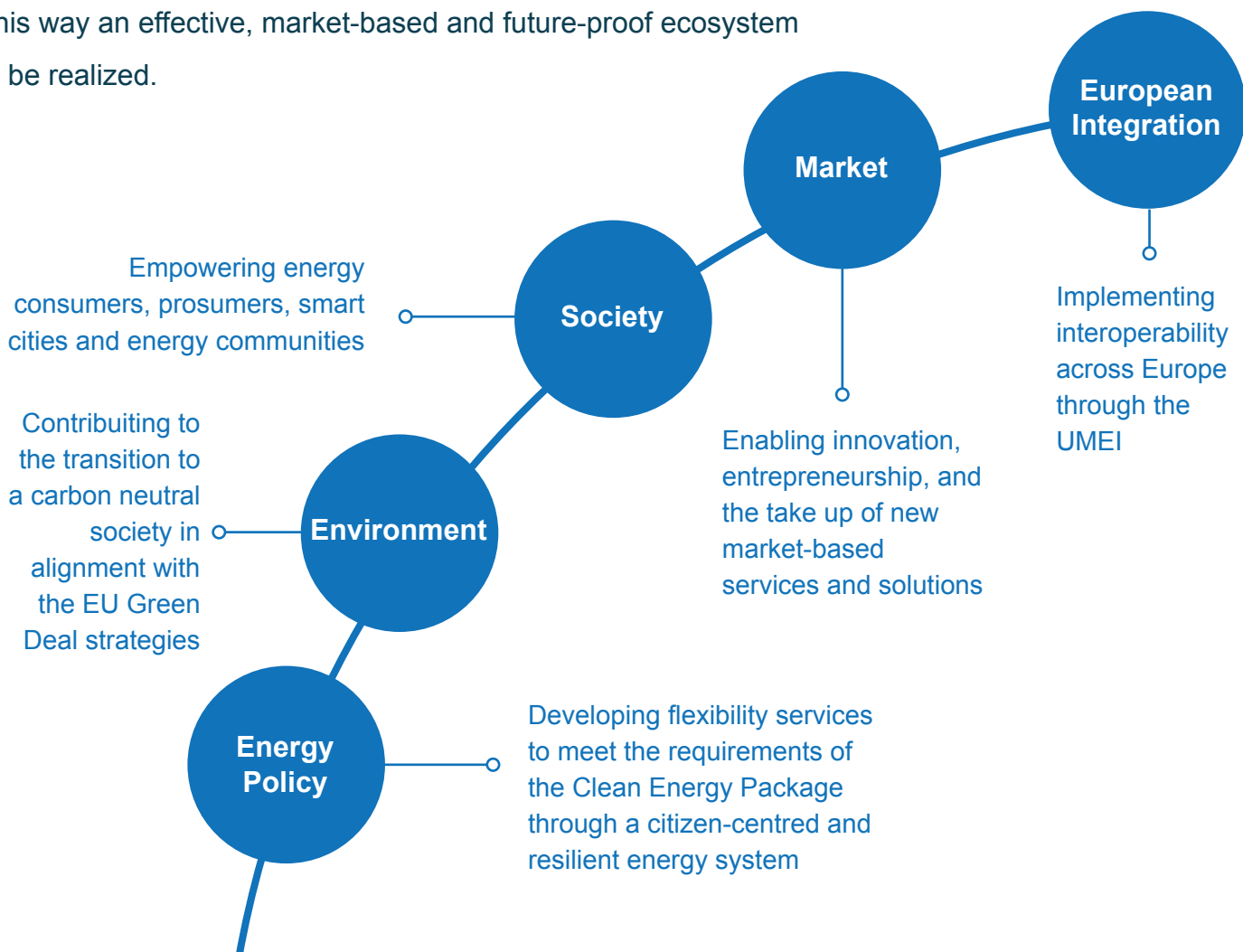
These best practices are expected to be **replicated across Europe** towards a citizen-centric energy system.



# A UNIVERSAL IMPACT

The UMEI is an interoperable interface that will easily **integrate, in an open and safe environment, DSOs, market agents as well as TSOs needs and solutions**.

In this way an effective, market-based and future-proof ecosystem can be realized.



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