



# SOCIALRES

Fostering socially innovative and inclusive strategies for empowering citizens in the renewable market of the future

## Flexibility 2.1: From Demand Response to Renewable Energy Communities

Online, 15th March 2021

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ESTIA



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# Aim and Objectives of SocialRES

The aim of SocialRES is “*to close non-technological research gaps that impede the widespread uptake of social innovation business and service models in the European energy sector*”.

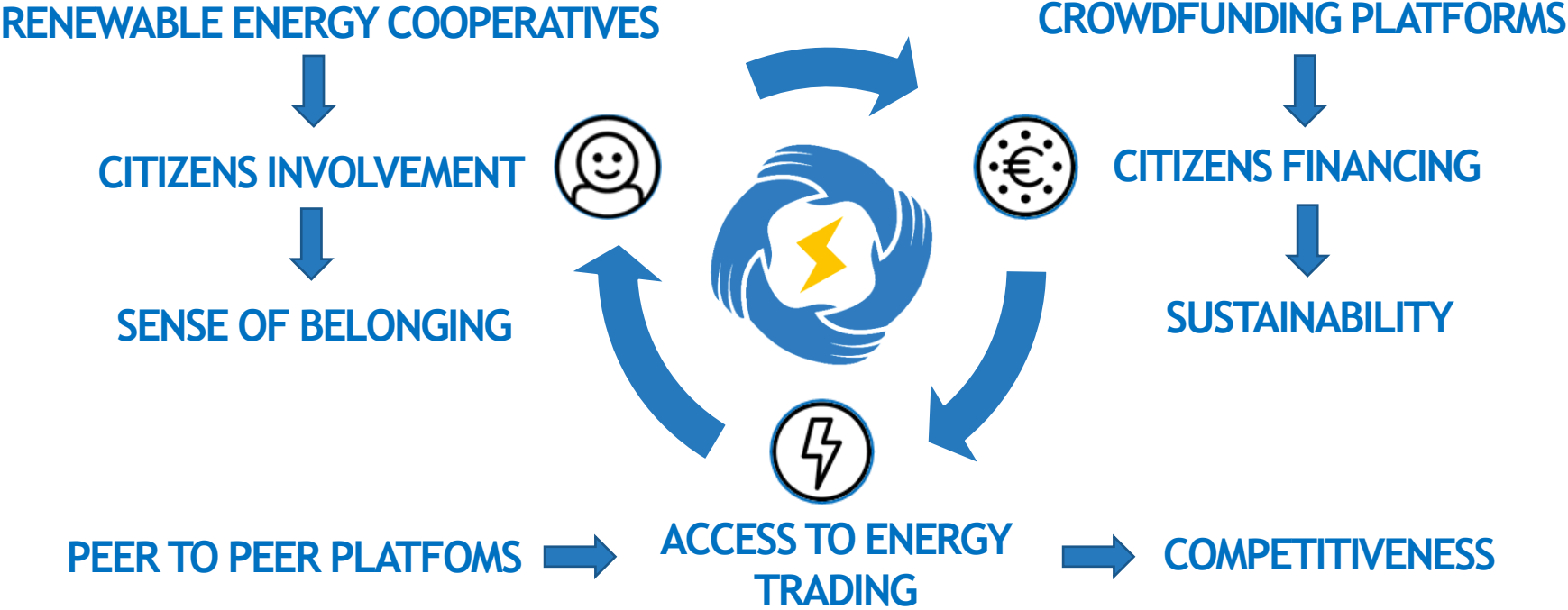
To achieve the project’s aim the following activities have or will be carried out:

- **Definition of the driving factors for social innovation in the energy sector**
- **Comparative analysis of business models for social innovation**
- **Definition of the behavioural aspects related to social innovation**
- **SWOT analyses of the SocialRES case study and matchmaking events**
- **Policy recommendation for using the potential of social innovation**

# Renewable Energy Communities



# SocialRES strategy to foster Energy Democracy through Social Innovation



# SocialRES Consortium & Case Studies



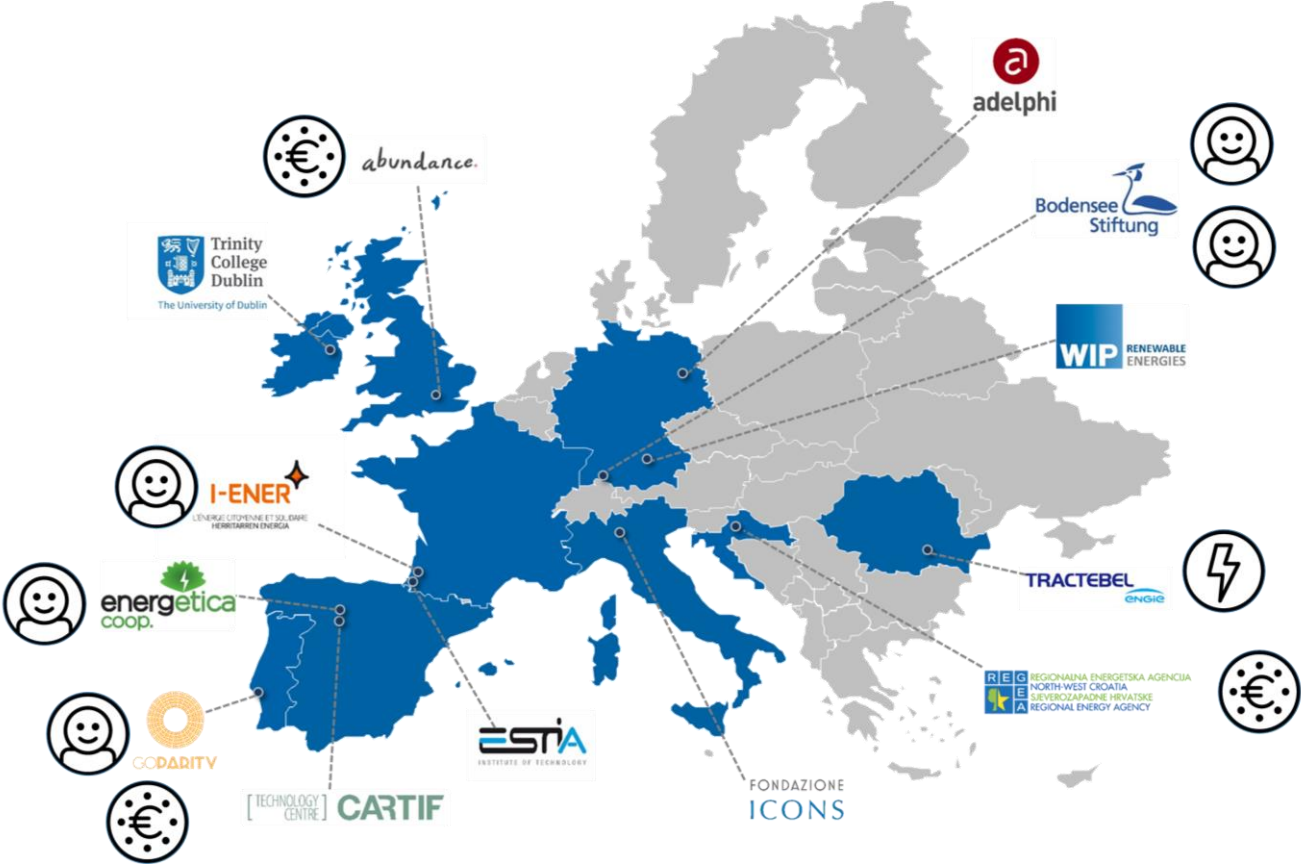
COOPERATIVES



P2P PLATFORMS



CROWDFUNDING PLATFORMS



# Demand Response Business Models

Merging Cooperatives and Aggregators BM

Cooperatives: Generation and Retailers

Aggregating: Generation or flexibility (load)

Cases:

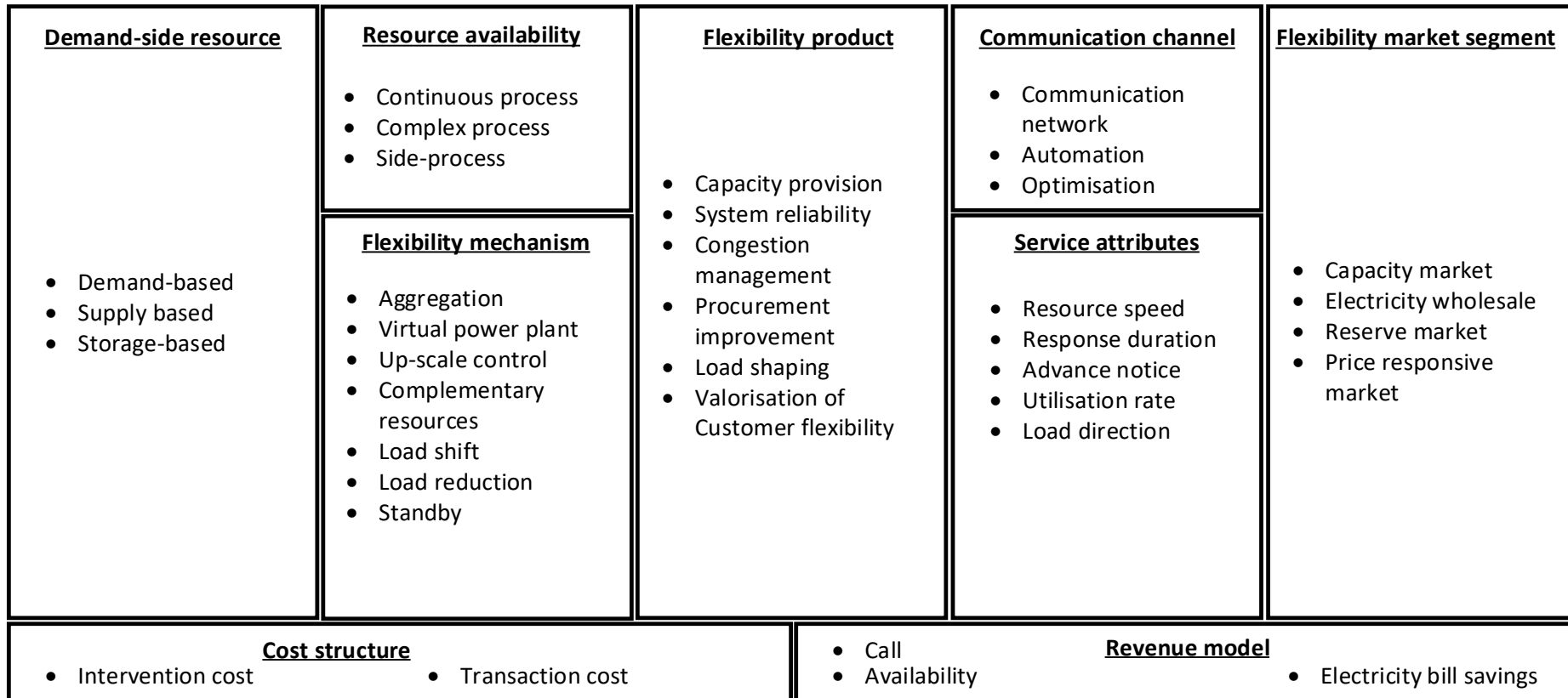
- **Collective self-consumption & electricity sharing community:** Each legal frames
- **Flexibility Services for:** System Operator (TSO), Distribution System Operator (DSO)...

*Behavioural aspects* → *Financial incentives*

Motivation of citizens: Energy transition and cooperative work (trust)

Cooperatives: *Behavioural aspects* → *External signal*

# Demand Response Business Model Canvas



Hamwi, M., Lizarralde, I., & Legardeur, J. (2020). Demand response business model canvas: A tool for flexibility creation in the electricity markets. *Journal of Cleaner Production*, 282, 124539.

# Results achieved

- ✓ Analysis of the driving factors for social innovation in the energy sector
- ✓ Comparative analysis of business models for Social Innovations - *under revision*
- ✓ SWOT analysis of the SocialRES cases studies
- ✓ Survey for the participants of the SocialRES case studies and survey for the general public for the collection of data needed for the behavioural analysis
- ✓ Installation of the smart meters for the collection of data needed for the behavioural analysis
- ✓ Survey for the development of the European Social Innovation Platform
- ✓ Development of the first world's crowdfunding council bond

<http://socialres.eu/>



**2020**

## [THE FIRST WORLD'S CROWDFUNDING COUNCIL BOND](#)

Best Practices - 24 Nov 2020

Social innovation product and business model.

The brochure presents the world's first crowdfunding council bond and also the European first council green bond developed by the crowdfunding platform Abundance during the SocialRES project.

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## [FOSTERING ENERGY DEMOCRACY THROUGH SOCIAL INNOVATION](#)

Best Practices - 12 Nov 2020

Paper presented by SocialRES partners at the 37th European Photovoltaic Solar Energy Conference and Exhibition

[Download](#)



# Together we make energy

SocialRES aims to close non-technological research gaps that impede the widespread uptake of social innovation business and service models in the European energy sector.

SocialRES fosters energy democracy by creating a better understanding of socio-economic, cultural, political and gender factors, and provides a comprehensive evidence base for policy makers in order to ease the transition to a cleaner energy system.

CONTACT US



This project has received funding from the European Union's Horizon 2020 research and Innovation programme under grant agreement N°837758.

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