



Developing Energy Communities through Informative and collective actions



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DECIDE Project

Developing Energy Communities through Informative and collective actions

- Horizon 2020 project
- gain a better understanding of how energy communities and energy efficiency services are established and managed
- identify communications and interactions to encourage participation in energy communities for specific types of individuals and groups
- test how to transfer knowledge in pilot projects across Europe



Three levels of collective actions:

- those existing at the start of the project and included in the work plan as such
- those that will be initiated or supported in their replication throughout the project
- those not directly partnering in the project but benefiting from the exchange and expertise of DECIDE



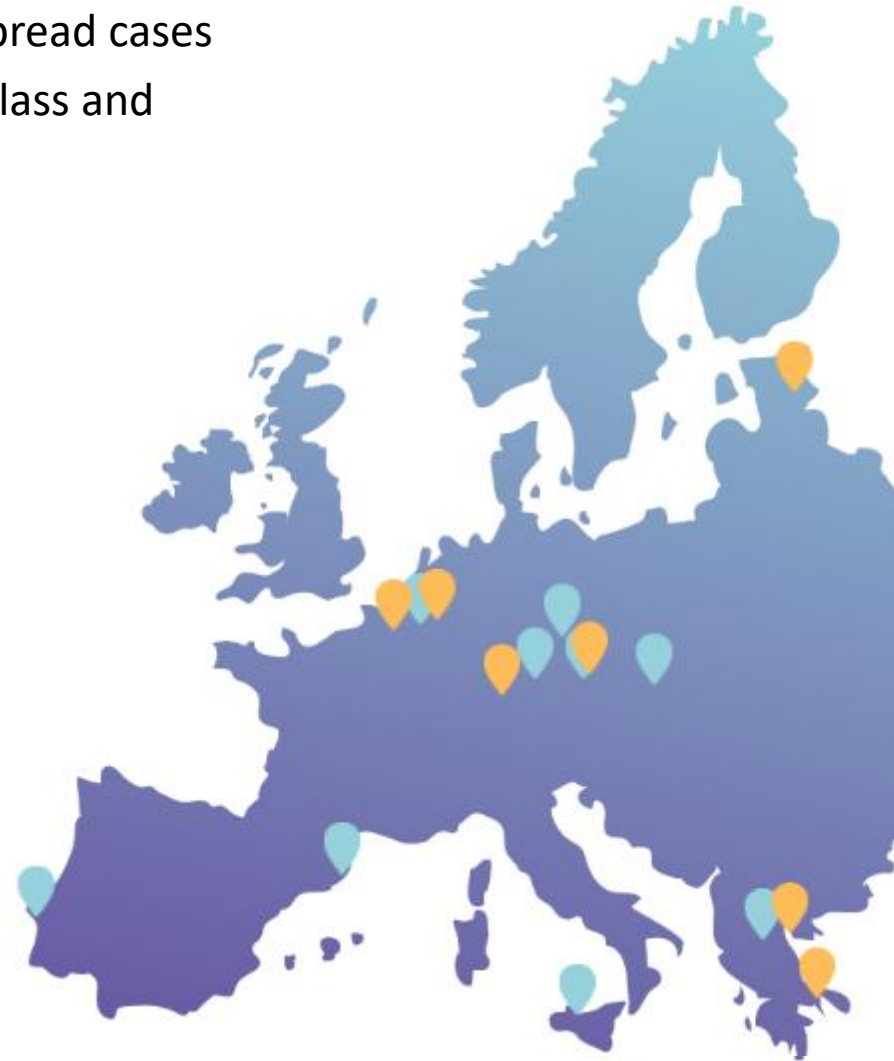
THE PILOTS

- complementary and geographically well-spread cases
- covering social housing as well as middle class and upper-class neighbourhoods



THE DECIDERS

- diverse geographical and topical distribution
- e.g., energy management in buildings, sustainable mobility, collective self-consumption, sustainable heating system, and “power farming”



Project Timeline

Project Kick-off

June 2020



November 2020

- List of project's social, financial, political and technical KPIs for Energy Communities and collective actions agreed among project partners



- Internal workshops and iterative support for 7 pilot Energy Communities and collective actions

August 2021



- Implementation of engagement support in existing pilot Energy Communities and collective actions
- Knowledge Hub including Coffee Shop operational

13 Partners



January 2022



- New DECIDE pilots operational based on replication activities

7 Pilots in 7 countries

March 2022



- Internal workshops and iterative support for the upscaling of existing and establishment of new pilots/replicants

21 stakeholder workshops



November 2022



- 4 stakeholder workshops on identifying solutions and recommendations for regulatory barriers
- Upscaling of existing pilots successfully

15 Replicants

January 2023



- 7 stakeholder workshops on identifying the needs of end-users related to business models and contracts

Project end

May 2023





DECIDE to REPLICATE

24.05.2022 Graz
Welcome



Issues of today Wokrshop include

- Understanding **how various community energy initiatives start, develop, grow and REPLICATE**
- **Who can replicate** (technology set ups, organizational models...) and who are important partners for upscaling and replication?
- How can **learning and user engagement** help to grow and replicate initiatives?
- How do **enabling framework and business models** affect replication?

Energy Communities and Collective Actions in DECIDE

Energy communities: based on EU definitions

- Community creation and generation of environmental and social benefits for the communities

Collective energy actions:

- Profit-oriented activities carried out by an external service provider in a group of citizens/household participants
- Increasing energy efficiency by boiler retrofitting or demand response
- Generating markets revenues consumers can benefit from
- Service providers still aim to use/strengthen community structures for a broad roll out and acceptance of his solutions.

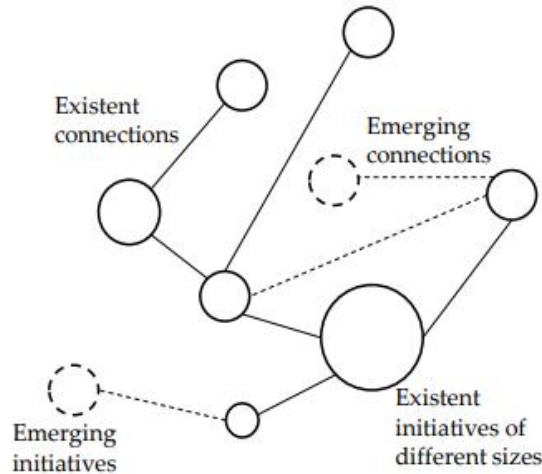
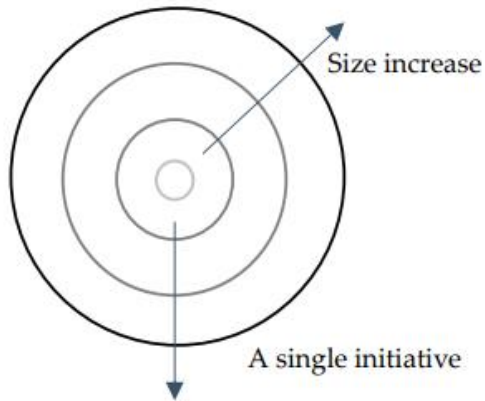
Upscaling and Replication: the DECIDE approach

Upscaling often defines a growth in same context versus replication in a different context (regulatory, technological economic...)

- **In DECIDE we define:**
 - Upscaling: growth in the same target group, maybe same organisation
 - Replication: growth within different target groups or different organization, different services/business models

- **But boundaries are not always clear**

Upscaling and replication can have different forms and processes



Size increase vs reproduction (Atutxa et al 2020)

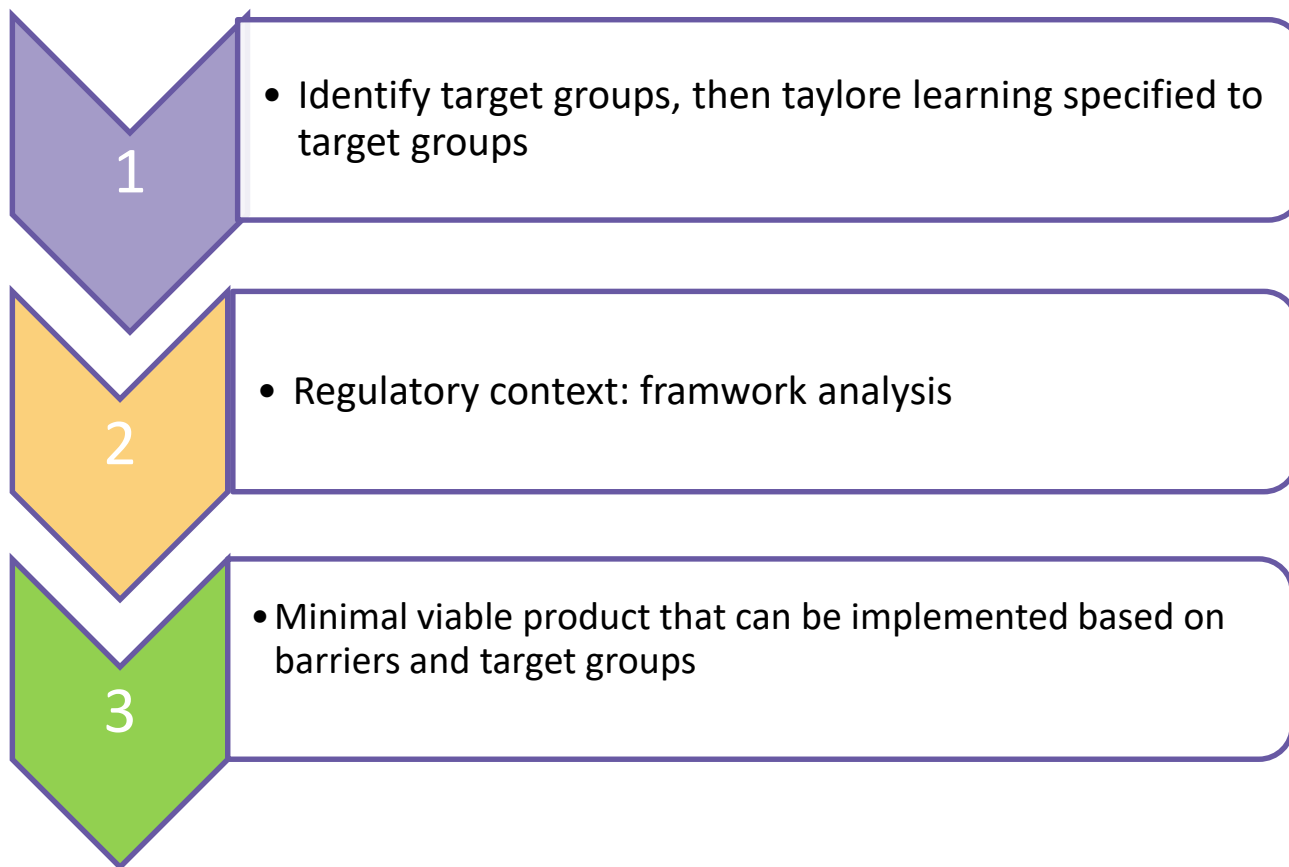
Upscaling/Replication of collective actions

- Collective Actions have a generic interest to scale up
- Focus on products that can emerge and enter new markets
- Important factors:
 - ✓ Modularity, services may be expanded later
 - ✓ Social targeting
 - ✓ Achieving cost advantages
 - ✓ Long term commitments of consumers

Upscaling/Replication of energy communities

- **Policymakers have to facilitate replication**, enable learning processes
- **No one size fits all solution**, only elements can be replicated, e.g. governance structures and organisational models
- **Preconditions** for replication include:
 - Existing community structures
 - Willingness to collaborate,
 - Democratic structures
- Municipalities as important partners

Replication: Important steps



Thank you for your attention!

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PROJECT PARTNERS

