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Federal Ministry
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European
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based on a decision of the German Bundestag

THE CONGREGATE PROJECT INITIATION OF ENERGY COMMUNITIES IN GREECE, BULGARIA, AND THE CZECH REPUBLIC



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Center for Energy Efficiency EnEffect

OBJECTIVE OF THE PROJECT

Enable and motivate municipalities to develop **public-private partnerships** in order to increase the share of renewable energy in the local energy mixes



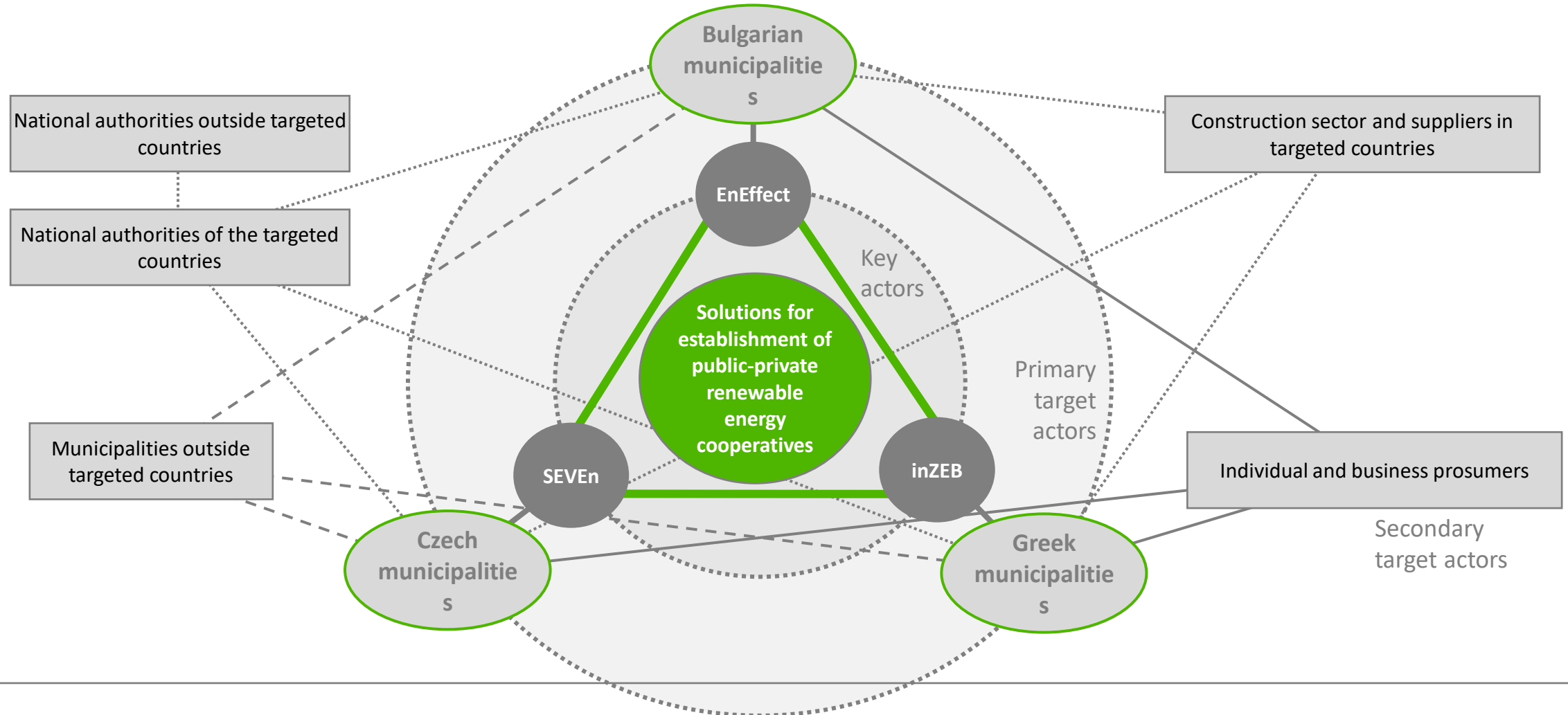
- ❑ **National models** for systematic multi-level communication and an engagement campaign in support of building renovation are developed.
- ❑ **Policy recommendations** and **feasibility studies** for renewable energy cooperatives are developed



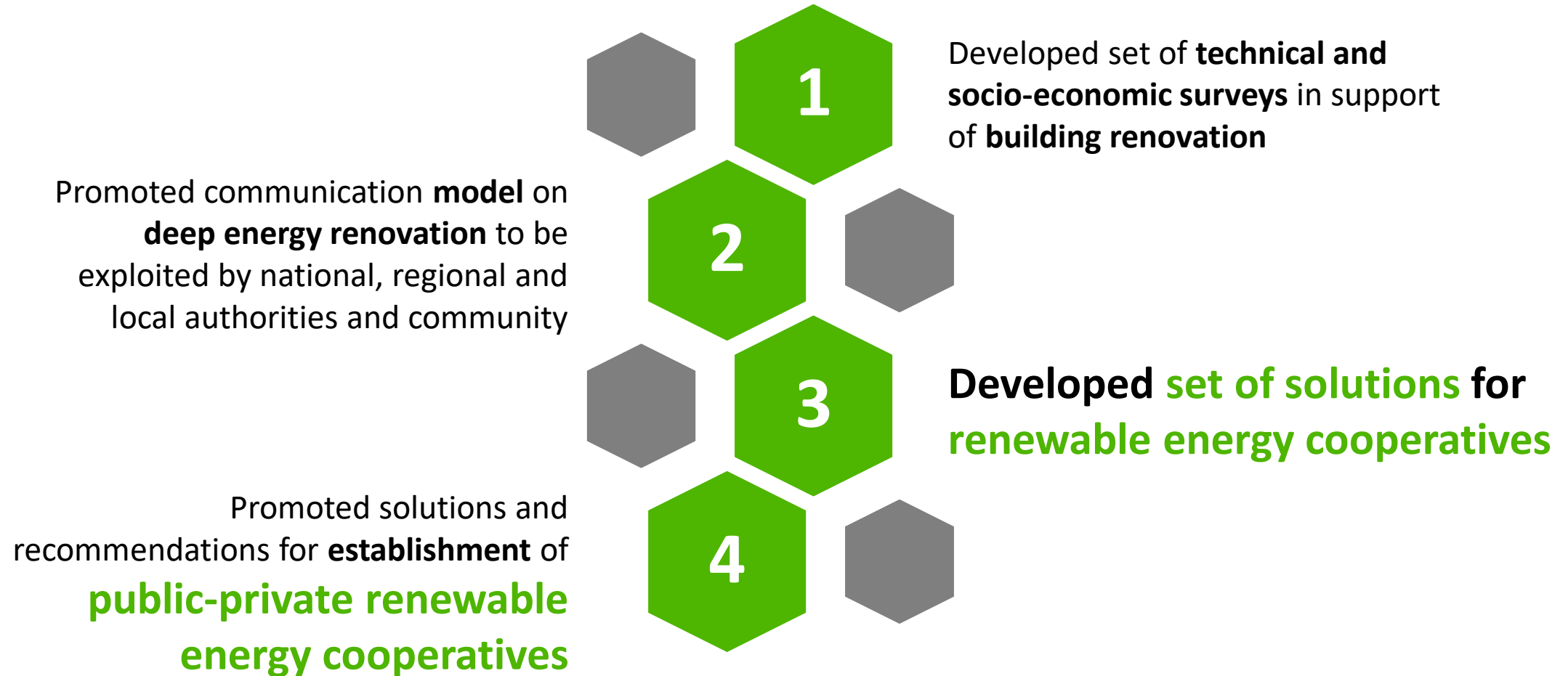
Support the implementation of national **long-term renovation strategies**



RENEWABLE ENERGY COOPERATIVES



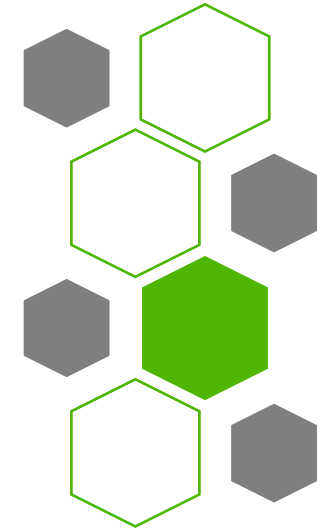
PROJECT ACTIVITIES



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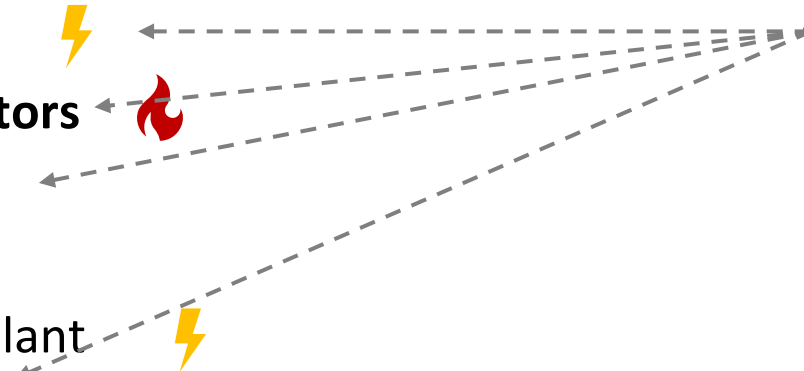
□ Developed **set of solutions** for **renewable energy cooperatives**

- Development of feasibility studies for the establishment of public-private renewable energy cooperatives
 - **Elaboration** of a set of general solutions for renewable energy cooperatives
 - Establishing **partnerships** with **municipalities**
 - Collection and **analysis** of data about the building stock in the pilot municipalities
 - **Elaboration of suitable solutions for establishments of public-private renewable energy cooperatives at concrete locations.**



SELECTION OF RENEWABLES

❑ Systems based on renewable energy technology

- **Photovoltaic panels** ⚡
 - **Solar thermal collectors** 🔥
 - **Heat pumps** 🔥
 - Wind turbines ⚡
 - Small water power plant ⚡
 - **Biomass** 🔥 ⚡
 - **Biogas plants** 🔥 ⚡
- 

Commonly used in BG

Focus on heat distribution
networks and shared PV
installations

- ### ❑ Other technical solutions:
- (Waste) Heat recovery 🔥

PROJECT ACHIEVEMENTS

Completed set of general solution for renewable energy cooperatives

- National legal Framework & policies
- Legal structures for energy communities – cooperatives
- Current status
 - Statistical data on existing energy communities – cooperatives
 - RES technologies adopted
 - Energy sectors
- Other available reports:

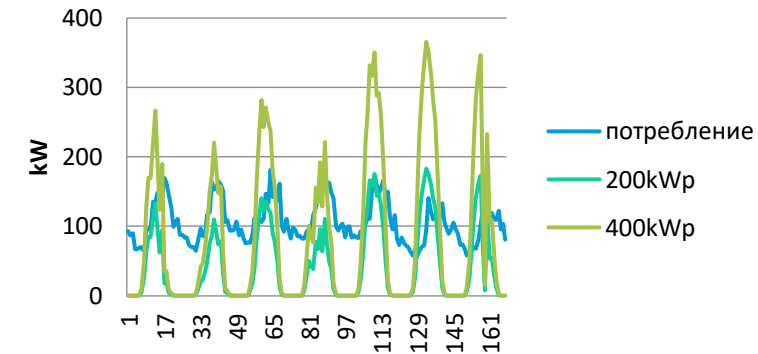


PROJECT ACHIEVEMENTS

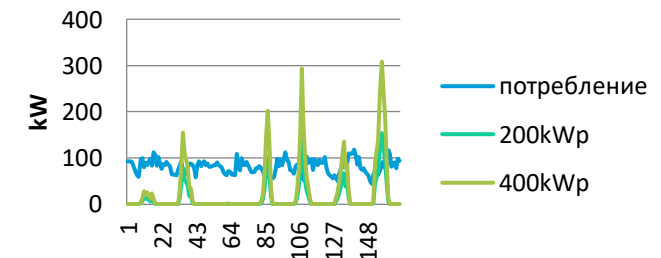
Selection of pilot municipalities

- Open competition
- Assessment of strategic documents, internal capacity and political will
- Announcements of the results
 - Greece: Pavlou Mela, Egaleo, Farsala
 - Czech Republic: České Budějovice, Tábor, Přeštice
 - Bulgaria: Sofia, Burgas, Dobrich
- Collection and assessment of data regarding the building stock

Summer week, company XXX



Winter week, company XXX





FORTHCOMING ACTIVITIES

Peer review, policy recommendations and promotion

- ❑ Peer review meetings: Burgas, Thessaloniki, České Budějovice
- ❑ National policy reports with country-specific policy recommendations
- ❑ Common report with policy recommendations
- ❑ Communication and engagement model in support of local renewable energy programs
- ❑ One national conference per country
- ❑ Participation in at least 4 international events



CONGREGATE Study Tour





LONG-TERM VISION OF ECs CONCEPT

Growth of renewable energy communities

- ❑ RED 2018, Article 22 (reduction of administrative burden)
- ❑ Becomes an attractive investment (reduction of investments and increase of energy costs)
- ❑ Role of the local authorities (attract households/SMEs)
 - Targeted communication campaigns
 - Ready-to-implement models for energy cooperatives
 - Demonstration projects



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THANK YOU FOR YOUR ATTENTION!

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