

## Replicable Practices SCORE Project, EUROPE

### SCORE pushing renewables for everyone

SCORE is funded by the European Union under its HORIZON 2020 programme, facilitating consumers to become (co-)owners of renewable energies. The project took place in different cities in:

- Susa Valley, Italy (Biomass)
- Prague, Czech Republic (Solar PV)
- Essen, Germany (Solar PV)

The participating local and regional authorities as well as existing local energy projects receive legal and technical assistance for a tailor-made participation model. Renewable Energy Clusters (RECs) can be seen as the prototype governance model of an emerging form of energy systems and will typically include demand flexibility and energy efficiency (EE) measures, storage and peer-to-peer trading within energy communities, and between energy communities and the market.



### SCORE's financing approach

- SMEs:** Shareholding represented by Trustee
- CSOP:** Invest in new or existing RE plant  
**Bank:** Longterm loan secured by shares and assets to CSOP
- Municipality:** acquires shares as co-investor
- RE Plant:** Supplies energy at fixed price to SMEs and supplies revenues from excess production sold to the grid
- SMEs:** monthly payments for energy to CSOP
- CSOP:** repays loans to bank from profits

### CSOP Financing

Consumer Stock Ownership Plans (CSOP) helps consumers co-own a RE project through an intermediary – the CSOP Operating Company (usually a privately held corporation with limited liability but possibly also a cooperative). A trustee who consults with them and acts in their interest represents them on the board of directors.



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### The pilot projects

#### Litoměřice

The Czech pilot aims to raise the capacity of existing installations, by 1.5 MWp; corresponding to an overall increase of 125%. **250 households** will be involved as (co-)owners of the newly installed PV facilities. The surplus energy will be used for public and administrative buildings, and the energy savings triggered by changes in consumption behaviour are expected to amount to **14%, i.e. 368 kWh per year**. Hence, the anticipated annual energy savings for all 250 households amount to **92,000 kWh**.

#### Essen

The German pilot wants to actively participate in the further expansion of RE with a focus on regional self-consumption is to be co-financed by a supplement of 0.2 ct per consumed kWh on the certified green electricity supply of city (approx. 200,000 Euro/year). With the SCORE project, an additional 650 kWp is to be installed with the help of private (co-)investments. At least **200 households** are expected to be included and turn from consumers into prosumers. The expected energy savings resulting from a change of consumption behaviour would amount to **73,600 kWh**.

#### Susa Valley

The Italian pilot will expand biomass power plants by annually adding **1.3 MWh** per installed MW capacity. Approximately **2,200 households** will benefit from the project by changing their heating energy source from fossil to renewable. Due to behavioural changes related to (co-) ownership of the new installations, the overall energy consumption is expected to be reduced by **14% per year**. The energy demand should from then on amount to **2,632 kWh per year, yielding 368 kWh (3000 kWh - 2632 kWh = 368 kWh) annual savings per household**. Consequently, the total of targeted energy savings amounts to **809,600 kWh**.

**More information on SCORE**

<https://www.score-h2020.eu/>



*PROSPECT+ fosters capacity building in regional and local authorities in order to finance and implement effective and efficient sustainable energy plans, including their proper monitoring and verification.*

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