

SUN4U ENERGY FOR ALL

REDUCE YOUR BILL - SAVE THE MONEY - SAVE THE PLANET

SUN4U intends to create a web and mobile platform dedicated to accompanying users in creating Renewable Energy Communities (REC) in the city of Rome, overcoming the main difficulties in developing this energy transition model: aggregating persons as REC members, sharing the information necessary to simulate the configuration of the optimal REC and finding financial resources for the construction of the REC photovoltaic generators. Thanks to several technical and social partnerships, to intense territorial animation activities, and in continuity with the SUN4ALL ongoing project piloting in Rome (www.sunforall.eu) involving the Municipality of Roma Capitale, the inclusion of households in energy poverty will be privileged. The skills and resources of the ESCo sector, that Federesco represents, and the competences of the technical partners will be mainstreamed. A strong networking with other similar projects and initiatives, will strengthen SUN4U paving the path to replications at local level, in Italy and in Europe.

SUN4U platform will integrate tools for webGIS based optimal definition of the RECs, for social networking supporting RECs interaction among participants aiming the trust building essential to create local communities, market-place tools for identifying competences and resources to enable the REC: designer, PV suppliers, experts, social animators, consultants, investors, crowdfunding initiatives and other fund-raising solutions.

Variety and gratuity of the platform services are the success-key for maximizing participation and allowing each REC to grow both in terms of prosumers and consumers. Access to public incentives granted for shared energy makes RECs robust business model and consents the inclusion of families in energy poverty. The return on investments, whether financed by the participants or externally (ESCo, equity funds or loans), is less than 5 years. The data collected for the launch of SUN4U platform are the Rooftop Solar Potential (kWh from installable photovoltaic systems) for all buildings in the city of Rome, the distribution of meters and consumptions (initially estimated than refined with the data provided by service users), the design of the network and the urban RECs optimal simulation data, the potential for energy savings and sharing of the participants.

The main challenge of SUN4U project is to integrate the social impact of making communities and contrasting energy poverty with the decarbonization resulting from enabling local RES generators within an energy sharing model.

Bando / Funding Programme: ICLEI Fund 2022

Durata / Duration of project: 24 mesi / 24 months

Città beneficiaria / Beneficiary City: Roma

Soggetto Coordinatore / Lead: FEDERESCO

Partners: ENEA, Università Sapienza CITERA, Apio, Ecomedia.