



# Sustainable energy system

# for achieving novel carbon neutral energy communities

The project developed solutions to decarbonize local energy systems:

- integrating electricity, heating, and other energy vectors with a high share of renewables
- these systems balance supply and demand on the grid for a flexible, future-ready approach

Active involvement of local energy consumers, producers, and societal actors:

citizen-focused, renewable-based energy systems are vital for communities in the future

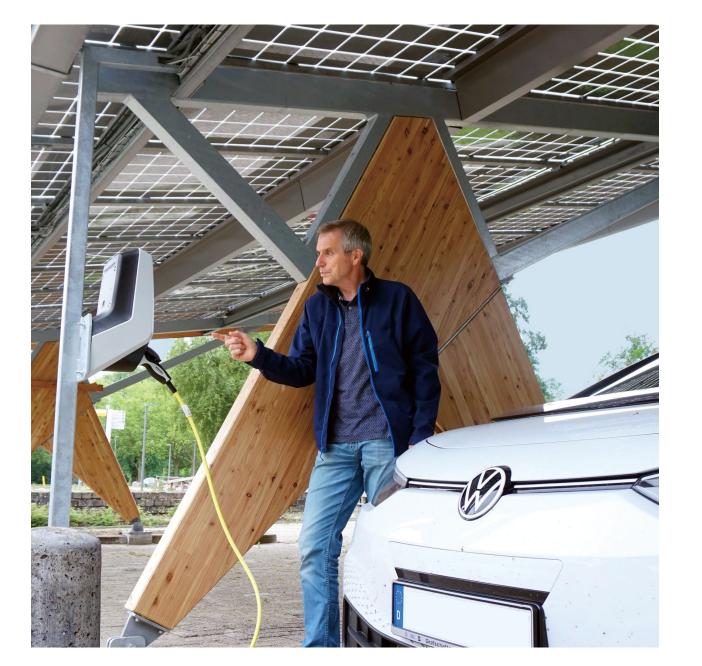
Energy communities can take many forms beyond EU regulations:

- existing social structures, e.g. homeowner associations or village organizations, play a significant role in the energy transition
- they represent untapped potential for driving global sustainable energy

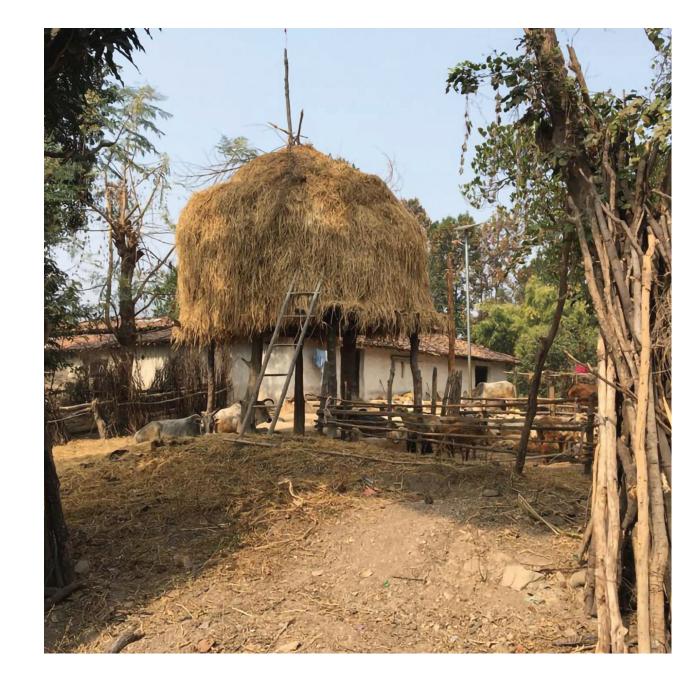
#### **DEMO IN DENMARK**



### DEMO IN THE NETHERLANDS DEMO IN POLAND



#### **DEMO IN INDIA**





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## **Sustenance H2O20 project**





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