

European Sustainable Energy Seminar  
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The Future of Energy Communities  
Successes and Challenges

# Establishing energy communities on the Turkish Islands

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# WHO ARE WE?



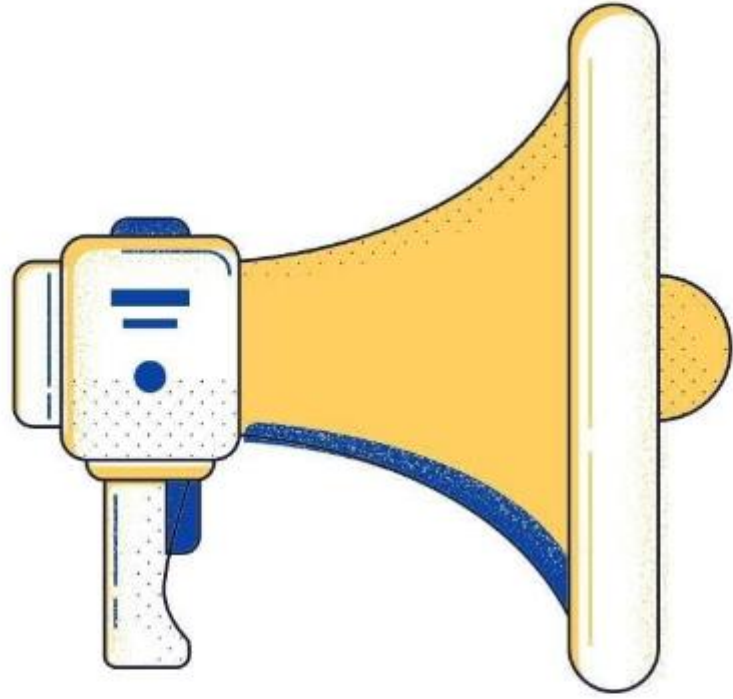
Troya Environmental Association was founded in 2009 in Canakkale and works on the topic clean energy and energy democracy for Climate action.

Since 2009, Troya Association are working on,

- support local movements against climate change,
- developing climate change policies,
- relationship between climate change and agriculture,
- ecological protection,

One of the greatest achievements of the Troya Environmental Association is the energy cooperative it has established in 2017.





**10% of the world's  
population and  
40,000 people in  
Turkey lives on the  
ISLANDS**



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There are more than 300 islands connected to 11 provinces in Turkey. These islands meet their energy by being connected to the mainland with a submarine cable.



**How do we  
ensure energy  
independence  
of the islands?**





What is  
Living LAb?

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Living Labs are user-centred, open innovation ecosystems and integrates research and innovation in real-life communities and settings. Islands offers the ideal conditions due to its geographical boundaries, diverse communities and stakeholders, clear ownership and current challenges. “A living lab refers to a context in which researchers carry out inventions as the sense of real experiments in order to learn about social dynamics and processes” (Schneidewind 2014)





# WHY TO ORGANISE A LIVING LAB?

When approaching complex challenges that exist in an evolving real-life context it becomes very hard for a single actor to find the right solution. By collaborating and co-creating the solutions with end-users and other actors involved, the complexity and uncertainty is reduced and the chance of finding a sustainable solution is increased. Research shows that living labs with network structures based on extensive knowledge and information exchange and collaboration between multiple actors lead to radical innovations, while living labs with centralized network structures tend to achieve more incremental innovations”



# STEPS



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identifying its stakeholders and contact the representatives of

- NGOs
- SMEs, companies
- Public authorities
- Residents
- Energy distributors
- Academicians

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Organising a meeting/ panel to bring stakeholders together:

- create a platform to discuss the problems and solutions
- generate open dialogue between all actors
- present information about energy efficiency and renewable energy

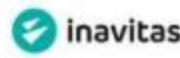
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Organising and implementing innovative activities

- identifying the participants who are willing to participate in VPP4Islands activities and innovation activities
- Preparing an action plan and related activities
- Organising workshops



# VPP4ISLANDS



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# ENERGY COOPERATIVES IN TURKEY



TROYA RENEWABLE ENERGY COOPERATIVE





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