

# Building smart energy systems on Croatian islands

Zagreb, 16.10.2019

## Islands on EU level

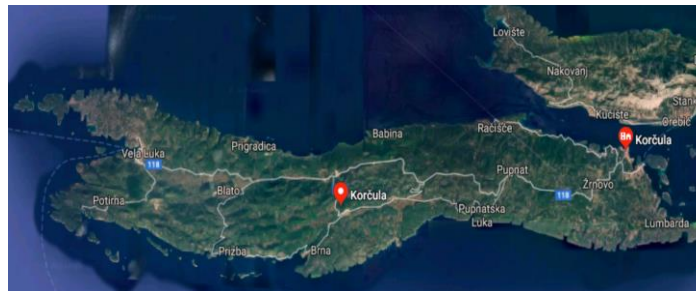
- increasing recognition at EU - islands as an important actor in the clean energy transition
- specific challenges due to their geographic situation, and depend on imports from the mainland
- the size and weather conditions of Europe's islands are perfect for setting up local renewable energy networks
- making the islands more self-sufficient and a leader in the clean energy transition at the same time
- 1<sup>st</sup> Declaration on smart islands (result of the Pact of islands project) signed in March 2017
- 2<sup>nd</sup> Declaration on islands signed in May 2017 specifically aiming energy transition - a political commitment to advance the transition on Europe's islands
- European Commission launched the Clean Energy for EU Islands Initiative
- in order to coordinate the daily work of the Initiative, the EU Islands Secretariat was set up in the summer of 2018.

## Croatian Islands in energy transition

Pilot Cres – Lošinj archipelago



Pioneers Korčula, Brač, Hvar



**TOTAL**  
5 island communities  
27 islands  
3 counties  
18 local authorities  
> 52.000 inhabitants  
> 200 local stakeholders

> 200.000 tourists and visitors

10 - 15 distributed projects  
Up to 10.000 micro projects

## OPPORTUNITIES

- EU policies on islands
- New funding schemes
- Best practices from other island communities
- Network of islands and experts
- Croatian presidency & islands policy
- Plenty of RES potential
- New technologies
- Investment opportunities
- Island transition leaders
- Cooperation within local authorities and other stakeholders
- Communication with relevant institutions
- National energy and climate action plan

## CHALLENGES

- Financial resources and models for development
- Level of awareness
- Readiness for implementing innovative approaches
- Non existence of energy communities
- Lack of expertise and knowledge
- Seasonality and challenging demand curves

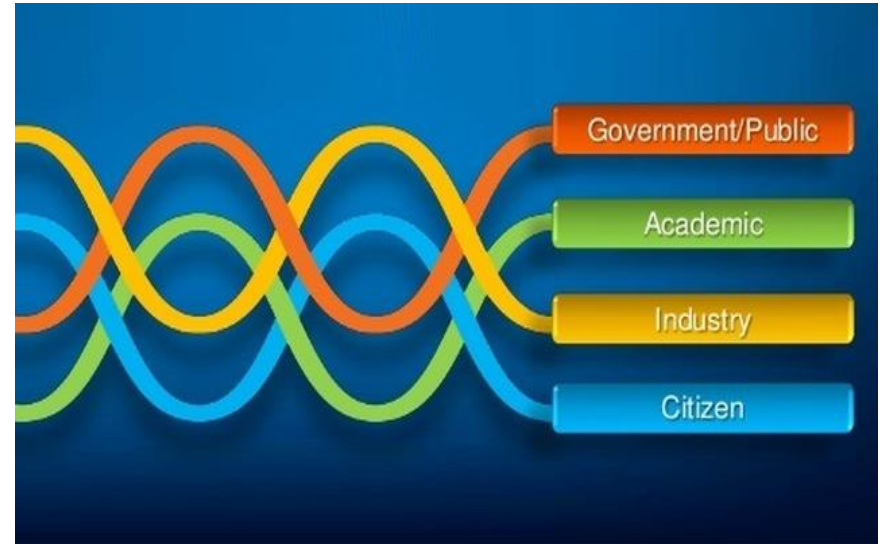
## Stakeholders

### Bottom up approach & quadruple helix model

- Local authorities, regional and national decision makers
- Academia and school representatives
- Businesses - small, medium, big companies
- Citizens and citizens organizations – coops & NGOs

### Energy System Pillars

- Electricity production – distributed from RES
- Grid & Storage - innovative & smart solutions
- Energy efficiency – smart buildings
- Sustainable mobility – green transport
- Awareness & education - energy communities



**SMART SYSTEMS**  
**SMART GRIDS**  
**SMART HOUSES**  
**INNOVATIVE MODELS**  
**NEW TECHNOLOGIES**

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**SMART PEOPLE WHO WILL TAKE AN ACTIVE PARTICIPATION IN ENERGY TRANSITION,  
ESTABLISH COLLABORATIONS, RAISE AWARENESS AND SATISFY DIFFERENT INTERESTS  
WITH THE AIM OF CREATING SUSTAINABLE & EFFICIENT LIVING PLACES AS EXAMPLES FOR OTHERS.**

**TO DEVELOP GREEN COMMUNITIES, CREATE NEW JOBS AND ATTRACT INVESTMENTS.**

**Thank you!**

**For more information & to get in touch:**

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