

Understanding island dynamics for a good start of the energy transition Cres-Lošinj Archipelago

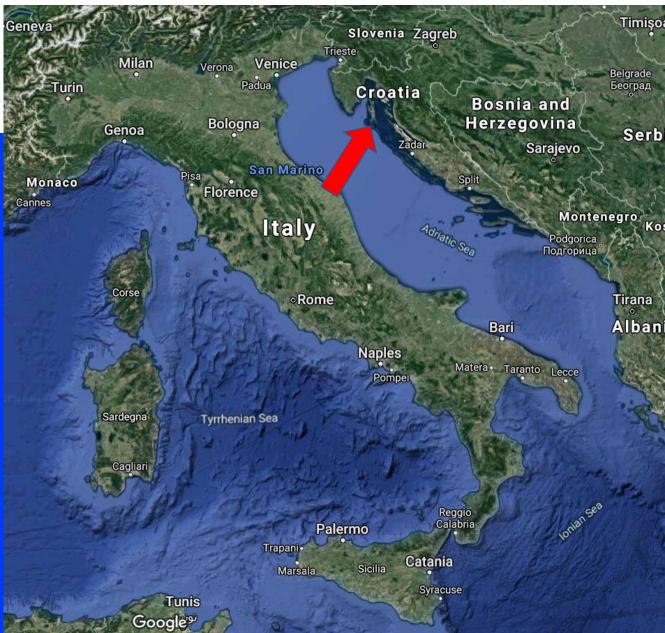
Ugo Toić, Transition Coordinator





Cres-Lošinj Archipelago



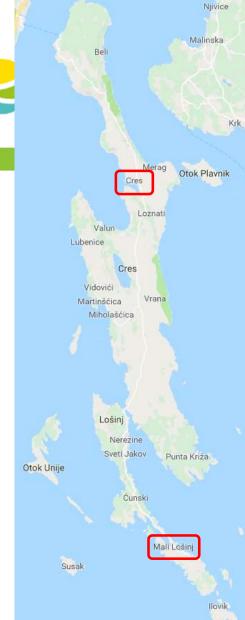




Cres-Lošinj Archipelago



- Land area = $509,39 \text{ km}^2$
- Population (census 2011) = 10.995
- Administrative units = Town of Cres and Town of Mali Lošinj
- Overnights in August 2018 = 1.041.244
- Population equivalent = 33.589

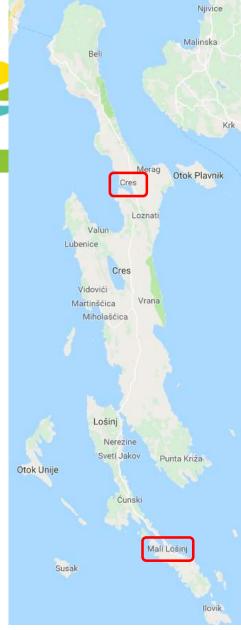




Cres-Lošinj Archipelago



- The archipelago is a unique geographical and trafic unit
- Connected with the mainland via the island of Krk through a 110 kV submarine cable.
- Annual electricity demand is 90.000 MWh





The transition process



- Island Development Agency (OTRA) = promoter and coordinator
- No previous experience in energy transition
- Transition team = 6 members
- +40 stakeholders signed the pledge (35 included in the CETA)
- 4 meetings with stakeholders

CETA delivered on 30/10/2019



Meetings / events

















+40 stakeholders signed the Pledge

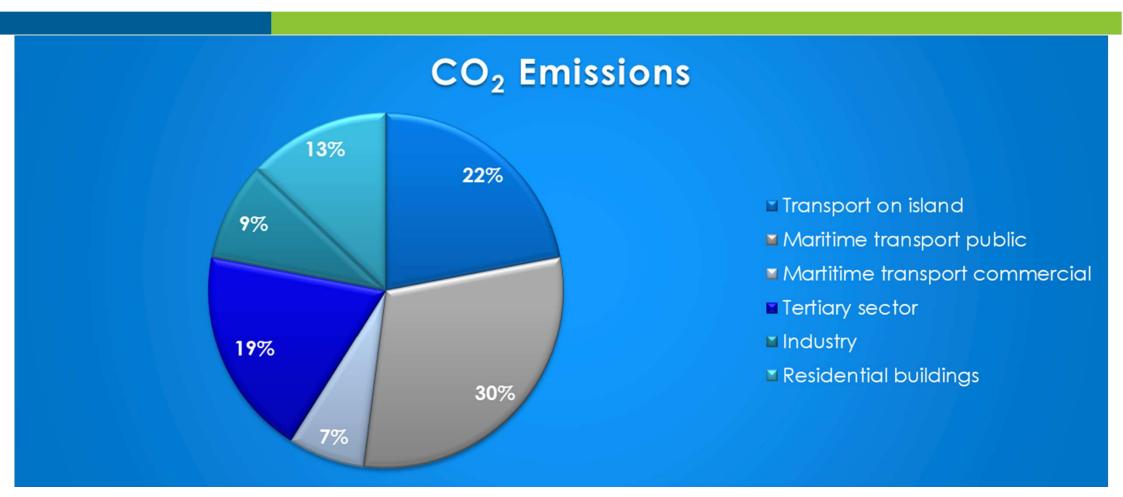








Baseline emission inventory CLEAN ENERGY FOR EU ISLANDS





Vision 2030



The Cres-Lošinj archipelago is smart and energy self-sufficient; the local community is energy literate and actively involved in the energy transition, which will enable carbon neutrality (complete decarbonisation) by 2040.



Transition pillars



Electricity generation

5

Heating and cooling

(Buildings)

Road transport

4

Maritime transport

3

Horizontal strategies

(Awareness)



Solar PP

10 integrated solar power plants 713,84 kW

Planed non-integrated SPP till 2022.

Orle	ec Trin	ket istok	6,5	MW
------------------------	---------	-----------	-----	----

Orlec Trinket zapad 4,5 MW

Porozina 0,5 MW

Unije1,0 MW

• Ustrine 10 MW

TOTAL POWER 22,5 MW

Annual production 29.250 MWh

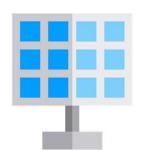






Establishment of local energy cooperative





Total installed capacity = 500 kW



Total investment costs = 460.000 €





tra New projects



















Project co-financed by the European Regional Development Fund







- Steering Committee
- Transition coordinator = OTRA
- Tranistion manager



Lessons learned



- Started with no previous experience
- Transition led by a local team, trusted by stakeholders
- Strong support from the public sector
- Economical sustainability of the transition team
- Members of the team involved in other local development projects
- Collaboration with other islands (national and international)









10 REDUCED INEQUALITIES































