



**SUSTAINABLE ENERGY
WEEK 15-19 JUNE 2015**
Take part in shaping Europe's sustainable energy future



The MED Programme, committed to a decarbonized Mediterranean:

**Innovation for Renewable Energy and Energy Efficiency solutions in Mediterranean
regions and cities. An overview of achieved results**

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Renewable energy in the marine- coastal areas ENERCOAST

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Programme cofinancé par le Fonds Européen
de Développement Régional
Programme cofinanced by the European Regional
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THE PROJECT IN A NUTSHELL

MAIN THEME: Renewable energy technologies in the coastal-marine environment of Adriatic – Ionian seas

TARGET GROUPS:

- ✓ Local institutions
- ✓ Public and private providers of transport, recreation and tourism, education and health services

OBJECTIVE:

- ✓ ENERCOAST will deliver solutions on how to overcome the technical and non technical obstacles for the diffusion of RES technologies and the elaboration of shared proposals.

Focus on marine energy



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PARTNERSHIP:

1. Province of Rimini, **Italy** (Leading Partner)
2. Cortea srl, **Italy**
3. Goriška Local Energy Agency Nova Gorica, **Slovenia**
4. University of Zagreb, Faculty of Mechanical Engineering and Naval Architecture, **Croatia**
5. University of the Aegean, Department of Shipping, Trade and Transport, **Greece**

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THE PROJECT STORY

BACKGROUND: WHAT'S THE PROBLEM THE PROJECT FACED?

Intense tourist activity & ports in Adriatic – Ionian Med coastal areas



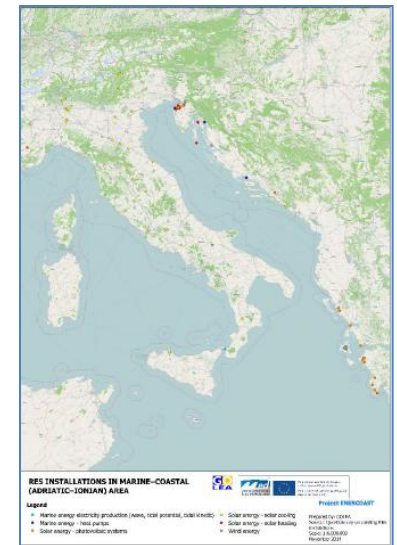
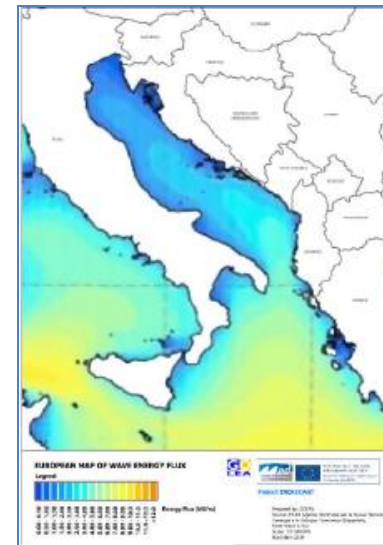
High energy consumption in infrastructures by the sea



Considerable RES potential. However the area is based on conventional energy sources



What is the most suitable RES technologies for implementation?



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ACHIEVED RESULTS

MORE SUITABLE SYSTEMS

- ✓ Solar Energy (PV, solar heating and cooling)
- ✓ Sea Water Heat Pumps
- ✓ On-shore Small Wind Turbines
- ✓ Off shore floating wind turbines

WHY?

- ✓ Mature technologies
- ✓ More Cost – effective
- ✓ Addresses the problem of the great depths (floatable wind turbines)

LESS SUITABLE SYSTEMS

- ✓ Wave energy



WHY?

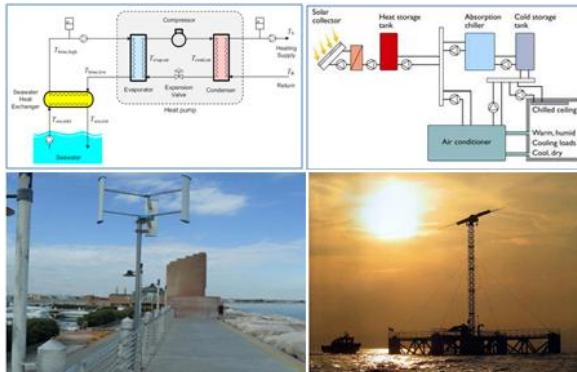
- ✓ Exploitable but needs further research to access the potential
- ✓ Technological immature
- ✓ R&D (among others) to develop technologies suitable for the Med wave climate

POLICY RECOMMENDATIONS

- ✓ Include wave (and generally marine) energy
 - ✓ In the Maritime Spatial Planning (Dir. 2014/89/EU)
 - ✓ In the subsidy schemes

CONSULTATION WITH STAKEHOLDERS

- ✓ They are willing to invest to RES
BUT they need:
 - ✓ Easier permits procedure
 - ✓ Sound and long term incentives and legal system
 - ✓ Concerns about NIMBY syndrome
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Thank you for your kind attention!



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