

BLUE ENERGY

Blue Energy refers to the energy carried by waves, tides, salinity, and marine temperature differences. This energy can be harnessed to generate clean electricity. However, there are many barriers to Blue Energy investments in the Adriatic Sea: environmental sustainability issues caused by the sensitivity of the marine environment, uncertainties about the actual energy potentials and feasible technologies, inadequate legislative frameworks.

COASTAL ENERGY HUB

A **Coastal Energy Hub** is a network of key actors including public authorities, enterprises, research institutions, associations, and citizens, who will cooperate to set up strategies and projects in the Blue Energy sector along the Italian and Croatian coasts of the Adriatic Sea. Coastal Energy Hubs will be established by COASTENERGY in both Italy and Croatia in order to foster the development of Blue Energy projects in the Adriatic Sea.



LEAD PARTNER



PARTNERS



COASTENERGY

Blue Energy in ports and coastal urban areas

THE PROJECT

January 2019

Start



June 2021

End



Total Budget
1,827,670.00 €

EU Contribution
1,553,519.50 €

Increasing energy production from renewable sources is essential to reduce global emissions.

However, the development of renewable energy production plants can come into conflict with other land use needs and environmental issues.

The **COASTENERGY** project addresses this topic with a special focus on the exploitation of marine energy in port and seafront areas (Blue Energy), investigating possible conflicts and opportunities through the involvement of local and transnational stakeholders from both sides of the Adriatic Sea.

COASTENERGY is co-financed by the European Regional Development Fund through the Interreg Italy-Croatia Programme.

OBJECTIVES

- 1** Implementing a comprehensive survey of regulations, technologies, funding opportunities and barriers concerning the development of marine energy plants in the Adriatic region. A geodatabase will be developed based on this information and published through a specific web mapping application, intended as a decision support tool for public authorities, enterprises, and research institutions.
- 2** Triggering cross-border cooperation on Blue Energy across the two sides of the Adriatic Sea, through the establishment of networks ("Coastal Energy Hubs") that will work to define a roadmap for improving regulations, facilitate information sharing and innovation transfer, carry out training, participatory design and tutoring activities, plan concrete initiatives, and create the path for innovative start-ups and clusters.
- 3** Assessing the feasibility of Blue Energy pilot projects in coastal areas, with the involvement of key local actors such as public authorities, enterprises, research institutions, and associations, who will contribute to the definition of the best technological and environmental solutions.

EXPECTED RESULTS



Geographic database on Blue Energy potential in coastal areas of the Adriatic region, as far as technological, environmental, and legislative aspects are concerned, supporting stakeholders in the assessment of investment opportunities.



Improved cooperation and knowledge transfer among key actors involved in the Blue Energy sector: public authorities, research institutions, enterprises, associations and citizens.



Feasibility studies for Blue Energy projects in coastal areas, resulting from participatory design processes carried out within local workshops involving key actors.

Italy - Croatia Programme Area

