

Get started in Responsible Research and Innovation

RENEWABLE ENERGY

Renewable energies on coastal environment
and development: what is challenging Italy?



MARINA Project

12th March 2018 - Local Mobilisation and Mutual Learning Workshop Phase 2

CNR Consiglio Nazionale delle Ricerche Via dei Taurini, 19 Roma

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Renewable Energy

Deep geothermal energy, ocean energy, and offshore wind are renewable energy technological solutions, which are not being exploited on in their full potentiality on different value chains. The purpose of the workshop was to discuss how they could contribute to build virtuous practices with impact on the wider socio-economic ecosystem, while incorporating Responsible Research and Innovation (RRI) principles in local economies.

Participants questioned which steps Italy shall undertake in order to unleash the capacity of renewable energy, and to seize all opportunities in terms of industrial sector development and of transition towards a sustainable economy.

49 participants from different stakeholder groups participated to the workshop.

Citizens



Business
representatives



Policymaker



Researchers



Responsible Research and Innovation

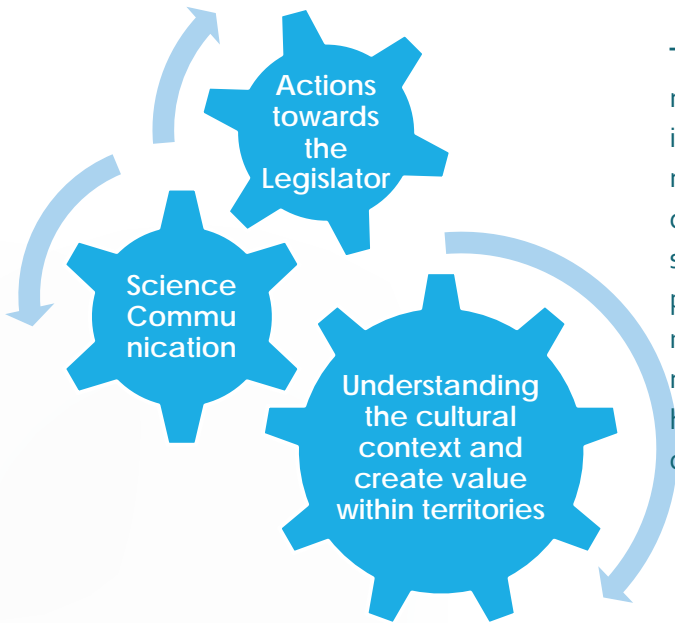
Responsible Research and Innovation (RRI) engages and brings together all stakeholders, creates dialogue and facilitates knowledge-sharing. It ensures the sustainable use of natural resources and makes sure that the needs of citizens and society are integrated into research and innovation. Participants put forth proposals of collective solutions based on the six RRI dimensions:



Workshop Outcomes

The discussion showed how important the Italian potential is in this sector, and how existing drawbacks at the industrial take-up level are attributable to legal framework conditions and low coordination amongst stakeholders.

Potential solutions are available, but there is a need now to leverage on the vitality and creativity of a well-established community of actors from the public and the private sectors, through a set of policies able to support the upscaling of a variety of connected enterprises, sustaining product diversification and opening access to international visibility.



The law system shall be made more agile and conducive for investments and for specific needs with a balance between constraints and environmental sustainability needs. This passes through: making regional law uniform; having a national energy policy; and having a territory compensation policy.

Science Communication and Stakeholder engagement shall be fostered through innovative project designing, to build a shared vision and path towards change, to prevent obstructionism from these communities, and to make citizens aware of how energy plants work and what are their impacts.

Creating and redistributing value within territories shall be a direct outcome of any action, improving socio-economic conditions of local Communities where plants are present, from the economical and environmental point of view. This is also connected to a new way of designing projects, taking into account the social dimension and integrating all available alternative energies.

The MARINA Project is funded by the EU Programme Horizon 2020. 14 partners across Europe are joining forces for a period of 36 months to bring together stakeholders around marine issues and societal challenges and propose RRI driven roadmaps of actions to respond to them.

45 workshops on marine issues in the European Union



-  Marine biotechnologies
-  Climate change
-  Deep-sea mining
-  Tourism and coastal cities
-  Renewable energy
-  Fishing and aquaculture
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