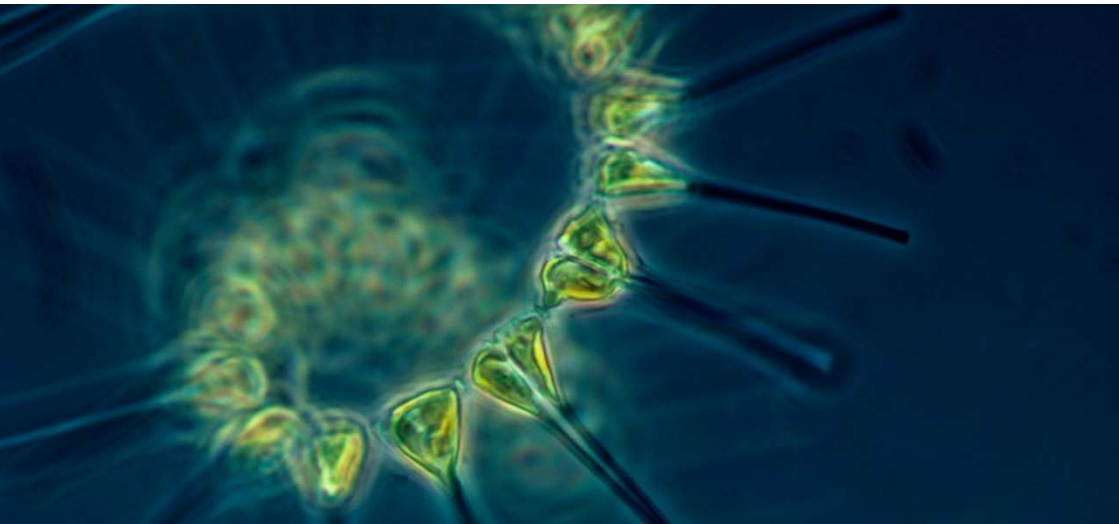




Get started in Responsible Research and Innovation

# MARINE BIOTECHNOLOGIES

## What are the challenges for the future in France?



MARINA Project

13<sup>th</sup> March 2018 - Local Mobilisation and Mutual Learning Workshop Phase 2

Nausicaá, National Sea Centre, Boulogne-sur-mer, France

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# Marine Biotechnologies

Marine biotechnologies use marine living organisms (e.g. algae, sponges or lugworms) as raw material for innovation. Applications seem endless: nutrition, human and animal health, skincare, biofuels etc. Research in marine biotechnologies in France has the potential to lead the Blue Growth revolution in Europe. The purpose of the workshop organized by Nausicaá was to discuss how we can make marine biotechnologies sustainable in France.

23 participants from different stakeholder groups expressed their opinion in this participative workshop:



## Responsible Research and Innovation

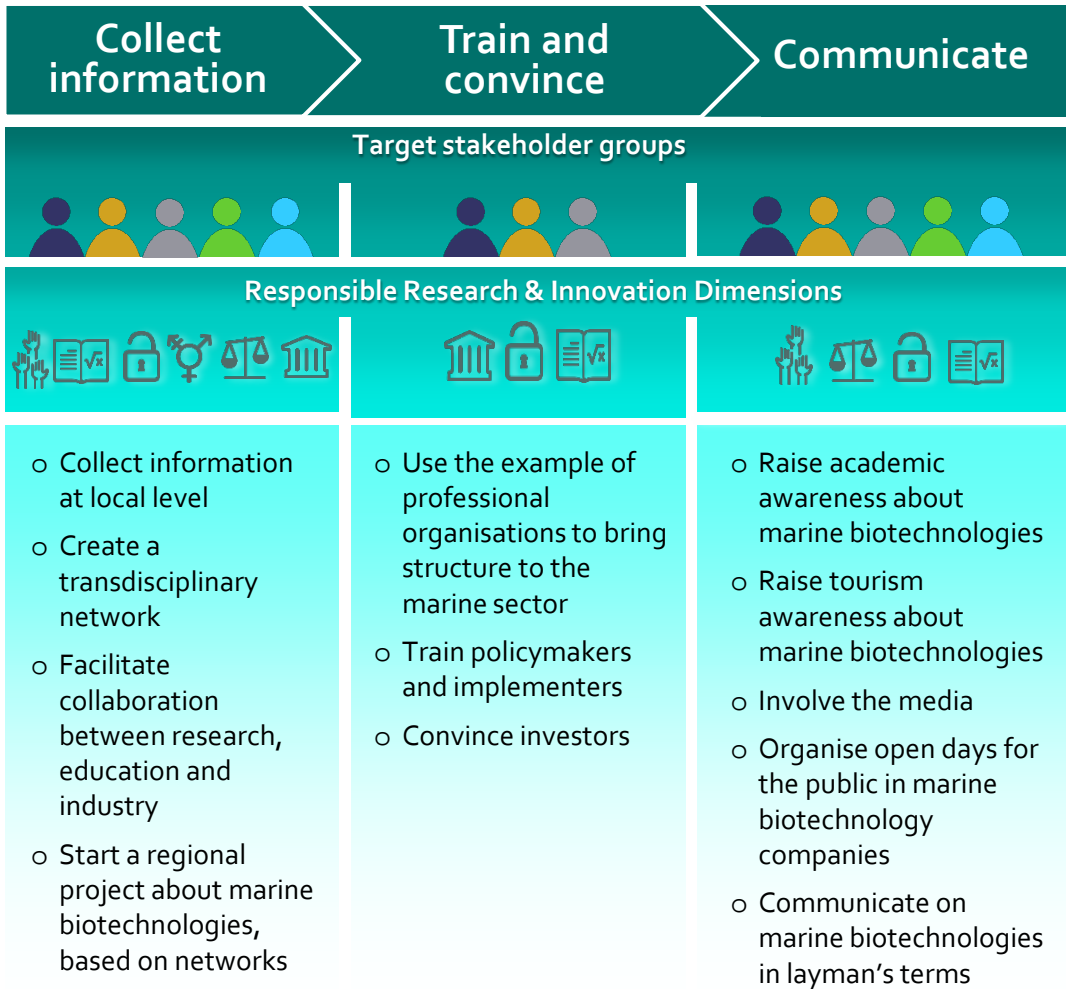
Responsible Research and Innovation (RRI) engages and brings together all stakeholders, creates dialogue and facilitates knowledge-sharing. It ensures the sustainable use of natural resources and makes sure that the needs of citizens and society are integrated into research and innovation. Participants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



# Workshop Outcomes

The participants defined 3 main groups of actions. Each group calls for the combined actions of at least two target groups, which confirms the need for collaboration between stakeholders.

Each action was linked to several RRI dimensions, and **Science Education** and **Open Access** to information were the most important dimensions in this workshop.



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
- Sea transportation
- Pollution caused by human, land and sea pressures

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