



I N T E L L I G E N T E N E R G Y
E U R O P E 

Strategic Initiative for Ocean Energy

SI OCEAN



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Background



This project aims to unite the wave and tidal industry behind a common agenda for commercialisation – paving the way for exponential market growth from 2020 to 2050

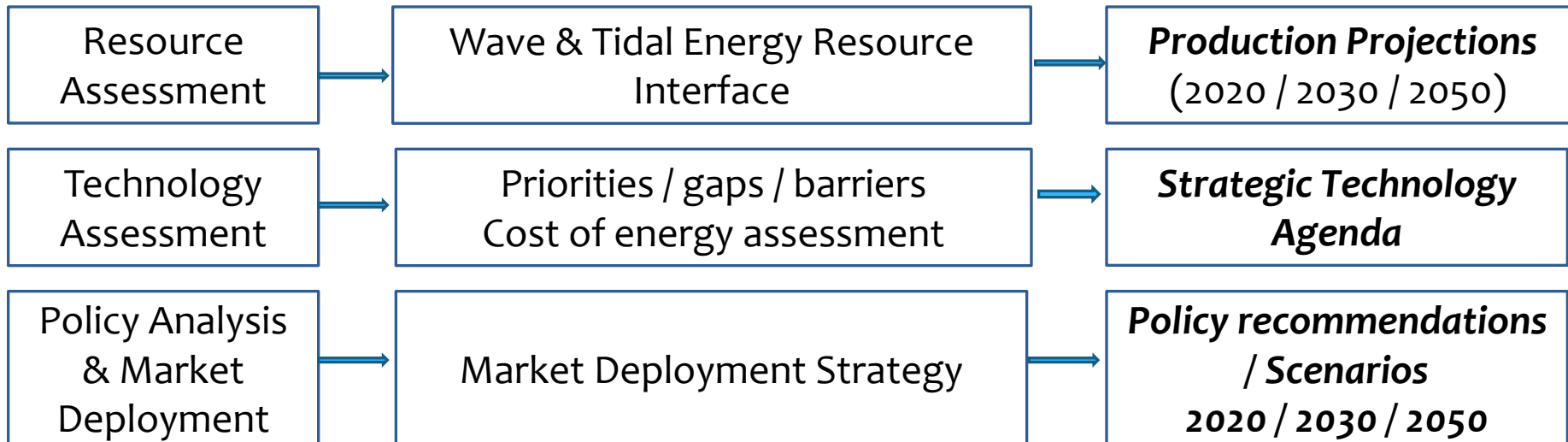
- ***Potential contribution of wave & tidal energy to EU energy needs?***
- ***Resource location and production potential?***
- ***Technology priorities of the sector?***
- ***Commercial competitiveness?***
- ***Status of policy and market conditions?***
- ***Deployment & commercialisation?***

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Key tasks



To reach the European target of 1.9 GW installed wave and tidal energy by 2020 – as outlined by Member States in their 2010 Renewable Energy Action Plans – an aggressive deployment trajectory is required.



Resource Assessment



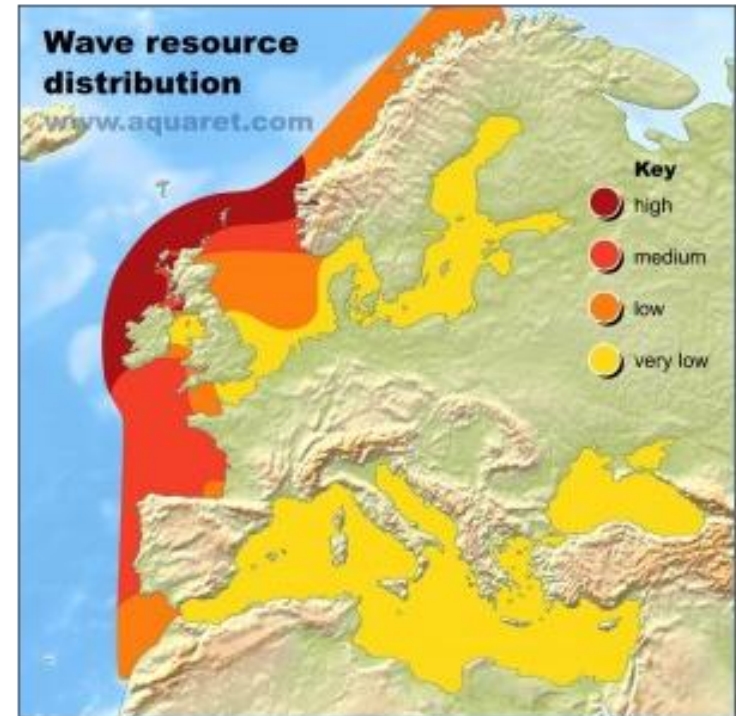
Objective

To estimate the practically extractable wave and tidal energy resource across the Atlantic Arc region and to understand the potential contribution of wave and tidal energy to EU energy needs.

Key outputs

- Pan-European wave and tidal energy resource map
- Wave and tidal energy resource and production interface
- Wave and tidal energy production projections for 2020 – 2050

Atlantic Arc Resource



Resource Assessment



UPCOMING CONSULTATION PROCESS

Technical consultation with industry stakeholders about resource assessment exercise

- **Workshop: 27 November 2012 in Lisbon, Portugal**
- **Post-workshop public consultation online**

For information, please visit: www.si-ocean.eu

Technology Assessment



Objective

Analyze current technical priorities for wave and tidal devices and establish action areas that will lead wave and tidal energy technologies towards commercial competitiveness.

Key output

The **Strategic Technology Agenda** will recommend actions to overcome barriers and support the growth of the industry in Europe.

Policy Analysis & Market Deployment



Objective

Identify policy barriers inhibiting growth of the sector and opportunities for accelerating the deployment of wave and tidal devices.

Key outputs

- Policy Analysis Framework Report (Atlantic Arc)
- Market Deployment Strategy

Benefits for Europe



Short term

- Strengthening networks across W&T sector
- Increasing collaboration
- Knowledge transfer

Longer term

- Enhanced energy security
- Low carbon energy source
- Employment and skills (Supply Chain)

Partners & Contact



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