

Wave Energy Centre (WavEC) - An integral vision on Marine Renewables

Alex Raventos
alex@wavec.org

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Call-topic:
Multi-use
offshore
platforms

The Wave Energy Centre in Portugal



Wave Energy Centre - WaVEC

Non-profit association, founded in 2003

- ✓ Development and promotion of Marine Renewables
- ✓ Technical & strategic support (field experience)
- ✓ International collaboration outside Portugal; and attract international partners to Portugal
- ✓ Coordination or participation in R&D projects to support the development of ocean energy on national and international level
- ✓ ASSOCIATES: **EDP, Galp, Martifer, Efacec, ...**
- ✓ Major reinforcement of capacities planned (Offshore Energy Institute within the Competitiveness Cluster "EnergyIN")



ENERGYIN

WavEC | Main areas of activities

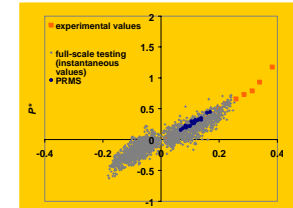
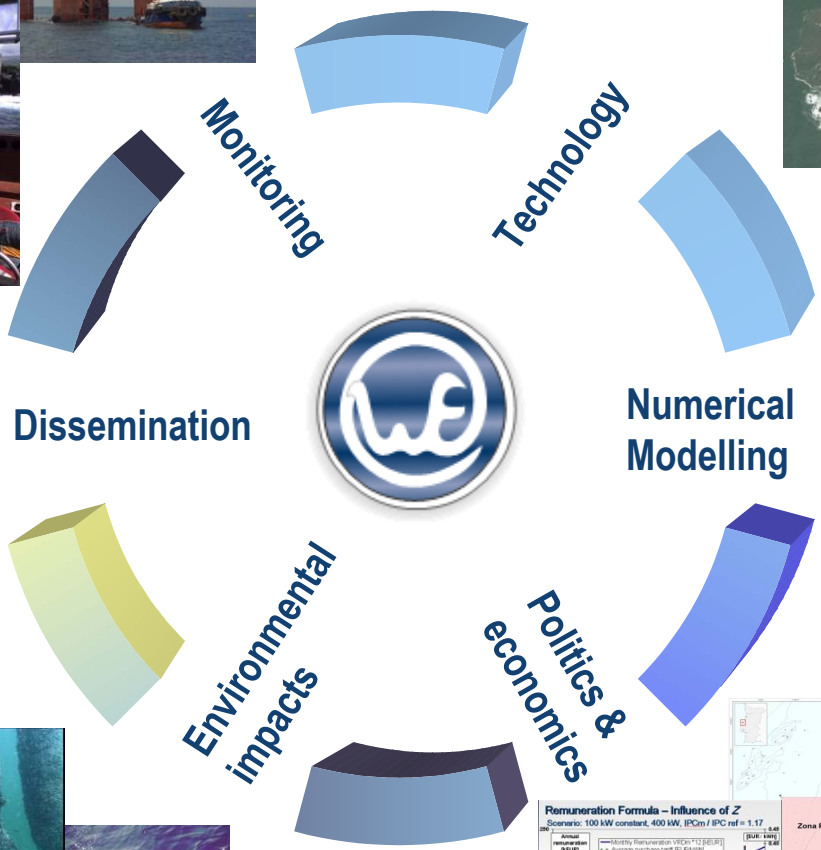


Due Diligence; Benchmark reports;
Potential & Feasibility Studies

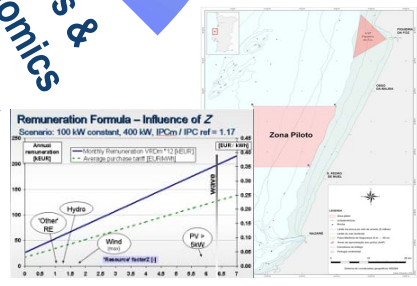
Pico OWC;
AWS pilot plant;
...

OES-IA; Technical support of seminars;
EC-funded projects: Waveplam, AquaRET

EC-funded project EQUIMAR;
Pilot Zone Proposal



Pico & Douro OWCs;
EC-funded project CORES



R&D on tariff & socio-economics;
initiative for Pilot Zone activities

Marine Renewables in Portugal



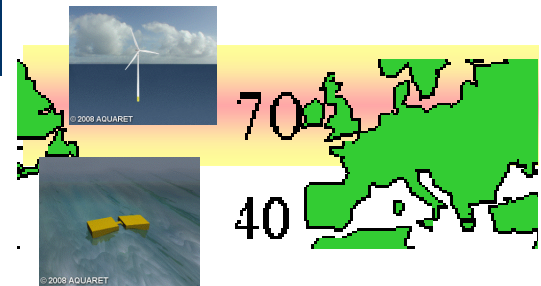
Long exposed coastline with medium-high resource; steep bathymetry

Ideal for wave energy, less for offshore wind (unless floating)

Traditionally strong political support for wave energy

Significant R&D and field experience exists

Strong political support for Marine RE



- ✓ Since the beginning, WavEC called attention for environmental issues, conflicts of uses and balanced socio-economic view
- ✓ Promoting both technical integration of wave and offshore wind energy, and integrated space use of marine RE and aquaculture
- ✓ Ocean space surveillance can be significantly improved by (floating) multi-use offshore platforms to reasonable extent (incl. R&D)
- ✓ Balanced and flexible Ocean Spatial Planning is vital ; philosophy: away from the “unilateral lobbying” towards inter-sectorial collaboration