



**WavEC**  
*Offshore Renewables*

**WAVEC ANNUAL SEMINAR:**  
BLUE ECONOMY – OFFSHORE PLATFORMS AND OPPORTUNITIES

MUSEU DA ELECTRICIDADE, LISBON, 26/11/2012

# **MARINE ENVIRONMENT**

## **TEAM, SERVICES & PROJECTS OVERVIEW**

Teresa Simas

# MARINE ENVIRONMENT COMPETENCES / SERVICES

- Environmental monitoring
  - Habitats mapping and characterisation
  - Colonisation of marine renewable equipment
  - Acoustic characterisation
- Licensing procedures and EIA requirements
  - Knowledge on licensing procedures across Europe
  - Advice on EIA process
  - Development of monitoring plans
- Public awareness and consultation
  - Public sessions
  - Workshops
  - Training courses



# MARINE ENVIRONMENT

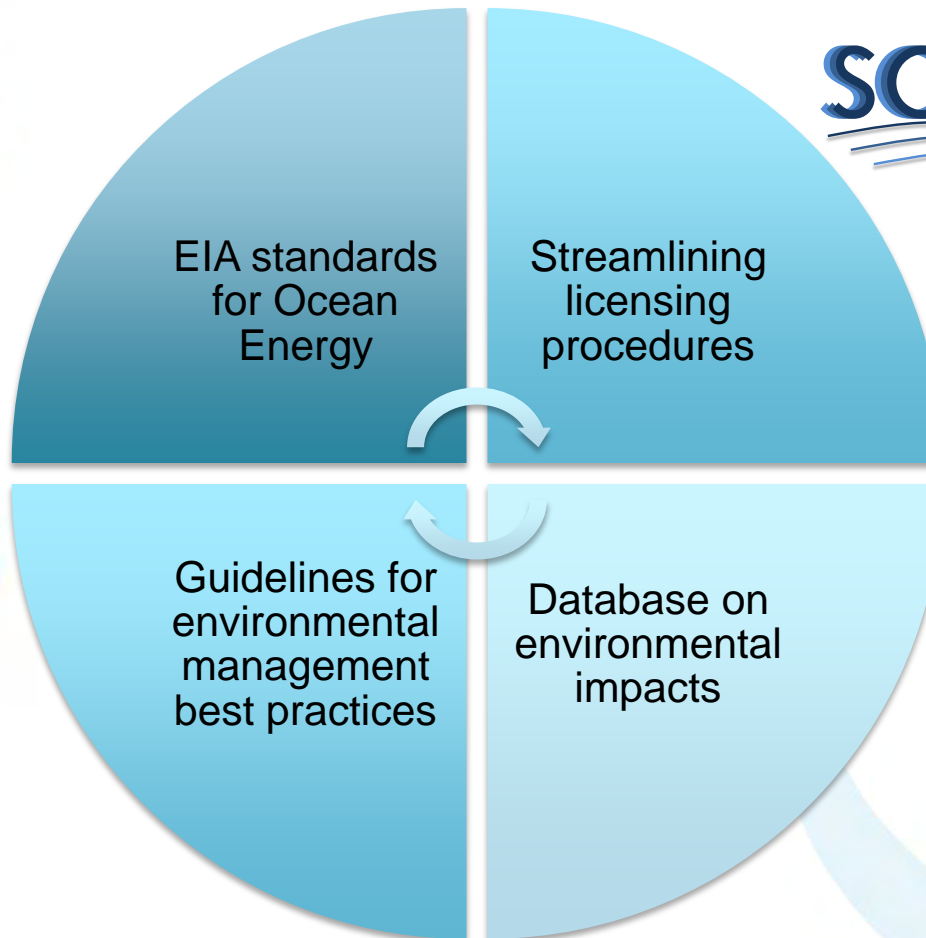
## LEADING R&D PROJECTS



2008 - 2011  
*Equitable Testing and Evaluation  
of Marine Energy Extraction  
Devices in terms of Performance,  
Cost and Environmental Impact*



2009 - 2012  
*Future of the Atlantic Marine  
Environment*



2012-2013  
*Streamlining of Ocean Wave  
Farms Impact Assessment*



2011-2012  
*OES Annex IV database on MHK  
environmental impacts*

# MARINE ENVIRONMENT

## INNOVATION PROJECTS

Offshore Test Station – KIC InnoEnergy  
(CC Iberia)

Ability to connect other sensors to  
increase the number of parameters  
acquired autonomously

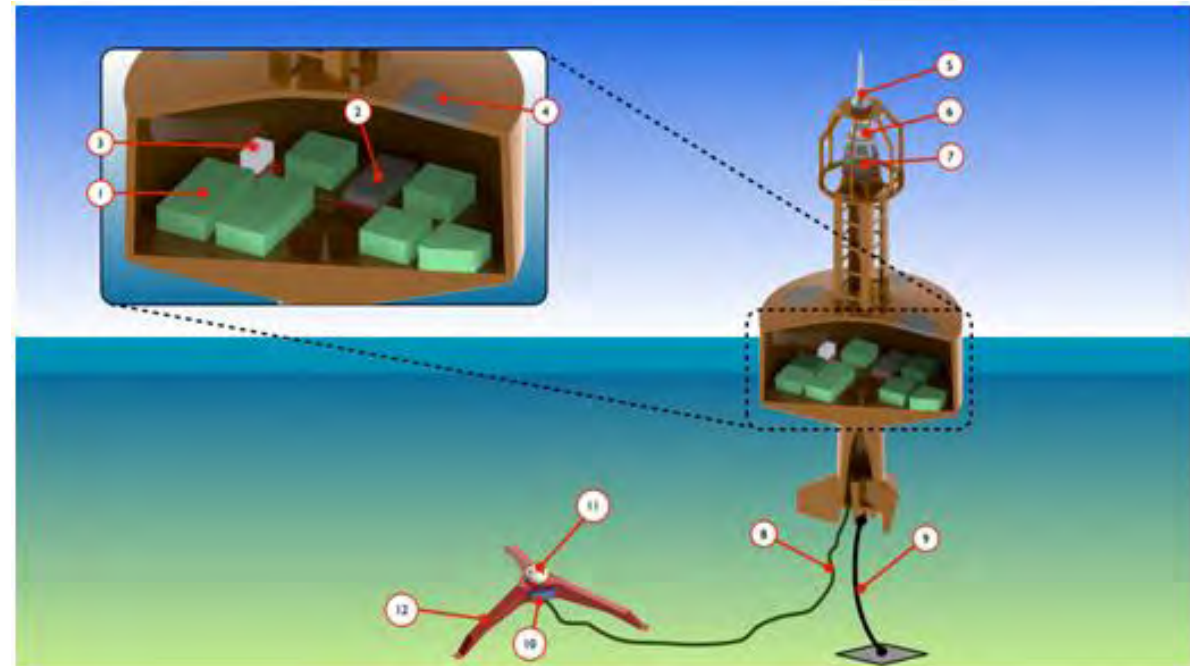
Prototype build up and testing

2012 Components purchase

2013 Prototype assemblage an  
testing

2014 Testing in real ocean conditions  
(Sötenas wave farm, Sweden)

**Autonomous monitoring device for  
acoustic data acquisition**



[Movie](#)