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Introduction

- SEAWave
- Overall objectives
- Gap analysis
- Critical analysis of management measures
- Next steps
Project Partners

Project Coordinator

Strategic/Policy Expert
- Aquatera

Environmental Experts
- University of Plymouth
- Exeter University

Data Manager
- HIDROMOD

Developers
- CorPower Ocean
- Laminaria
- Wello
- Ocean Energy
Project Objectives
Project objectives

- Comprehensive review and gap analysis
- Innovative research programme
  - emerging sensors and
  - new modelling techniques
- Systematic environmental monitoring process
- Critical Analysis Report
Project objectives

- Employ multiple monitoring methodologies
  - Fish Aggregation Device,
  - artificial reef effects,
  - fisheries displacement,
  - disturbance due to physical presence
- Streamlined, risk-based planning and consenting procedures
- Data dissemination strategy
Work Package Review
Work Packages

- **WP1:** Project Management
  - **WP2:** Gap Analysis and Monitoring Plan
  - **WP3:** Data Collection and Analysis
  - **WP4:** Modelling and Validation
  - **WP5:** Strategic Recommendations
- **WP6:** Communication and Dissemination
Goals of WP 2

- To understand where research should be prioritised
- To inform environmental demonstration strategies
- Reduce the risk of duplication of unsuccessful techniques and methods
- Develop cost effective environmental demonstration strategies
Building on previous work

- ORJIP Ocean Energy Forward Look
- OES Annex IV State of the Science report
Task 2.1 Gap Analysis

- Review of the understanding of potential environmental impacts
- Ongoing work in environmental monitoring
- Prioritisation of consenting risks
  - degree of scientific uncertainty
  - benefit to be realised
  - the potential for significant adverse effects;
  - cost
Task 2.2 Critical analysis

- Critical analysis
  - mitigation, monitoring and other management methodologies used to date
- Provide the industry with an awareness of success stories
- Used to inform monitoring methodologies used in WP3
Knowledge gaps & priority work streams will be validated by the project Steering Group.

Building on the Forward Look and the ORJIP Ocean Energy global Network.

Engage developers, policy makers, regulators, academics, industry partners & SNCBs.
• Consensus on the priority knowledge gaps and consenting issues
• An established European Network of stakeholders and end users
• Refinement of consenting processes for ocean energy deployments
• Environmental monitoring strategies designed to address the key consenting risks
Thank you