

Wave Energy and People Power In North Mayo

To IEA Meeting Galway,
Sept 29th 2010
James Ryan.

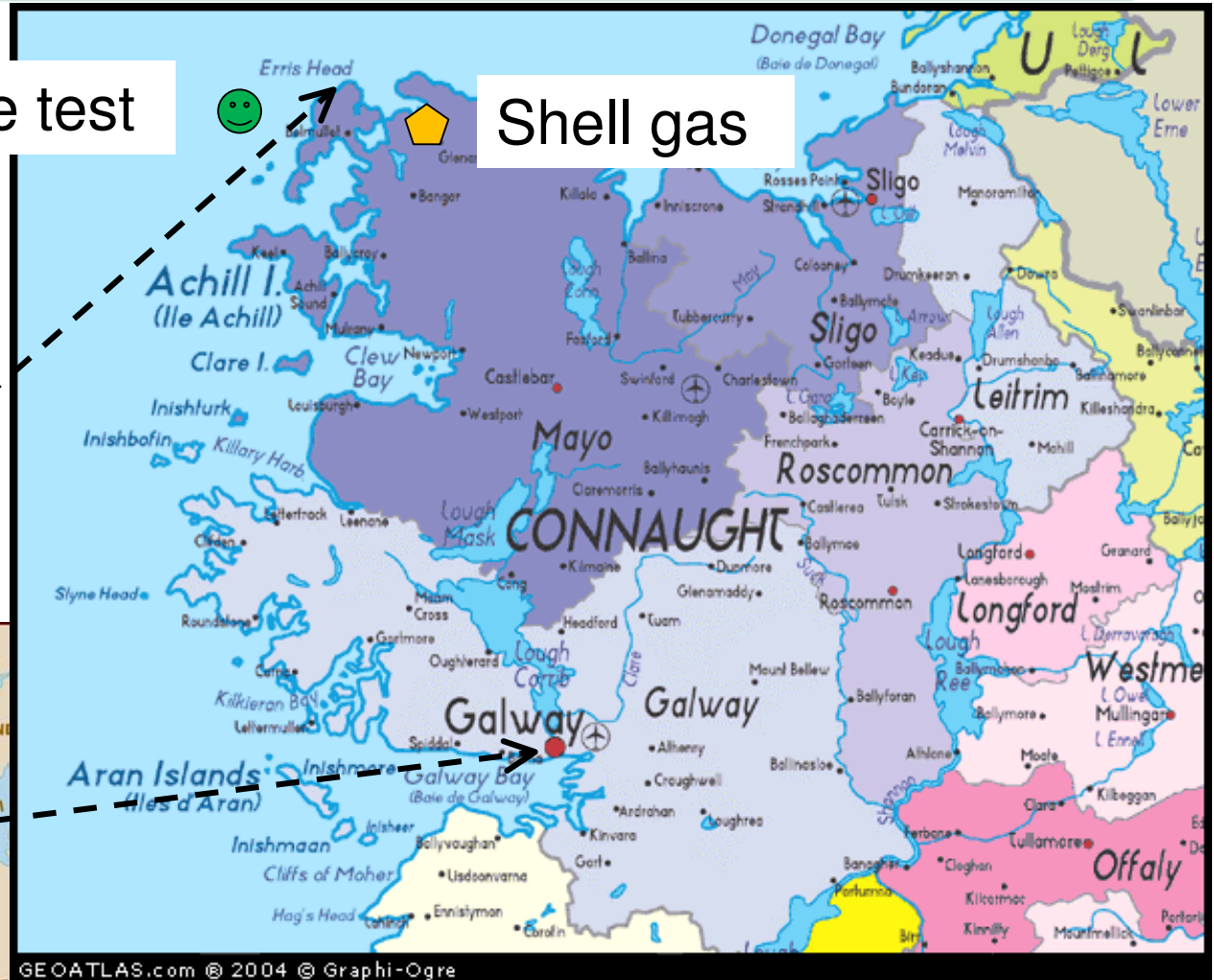


Where is North Mayo?

Wave test



Shell gas





People Power in North Mayo





SHELL OUT



18/08/2010

Topics

- **Atlantic Marine Energy Test Site (AMETS) – project summary**
- **The Erris Community Consultation Plan**
- **Activities to date**
- **Ongoing**
- **Next**

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Project team for the
Wave Energy Test Site - Belmullet



Engineering Services

Developer Input

Marine Data Collection

Local & Developer
Liaison

Project Management

Site Investigations
Licensing
Electrical Cable
Design
Cable Route Design
Substation Design
Environmental Impact
Statement

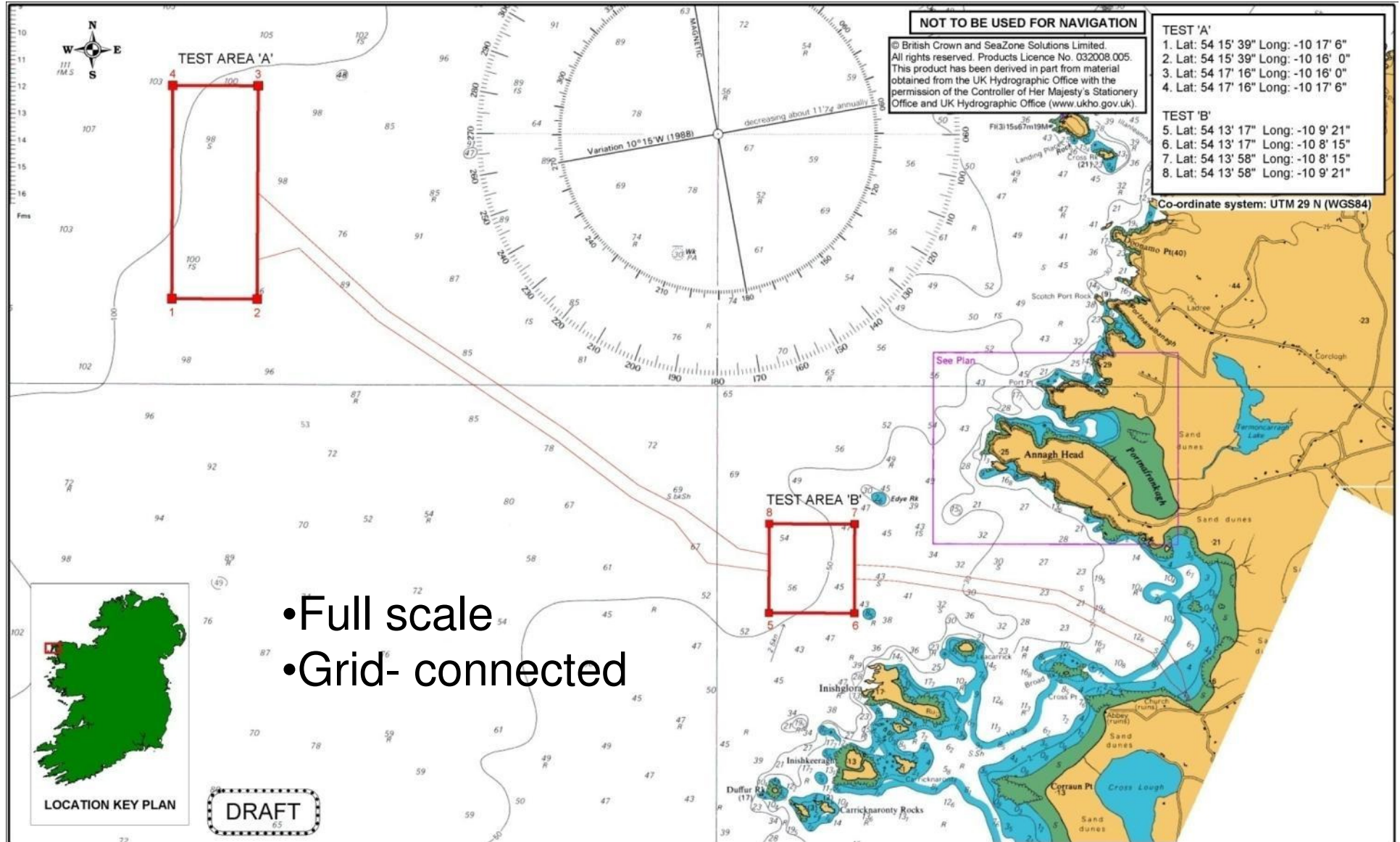
Site Operating Plan
Environmental
Surveys

Offshore Surveys
Weather Buoys

Developer Contact
Belmullet Office
Local liaison

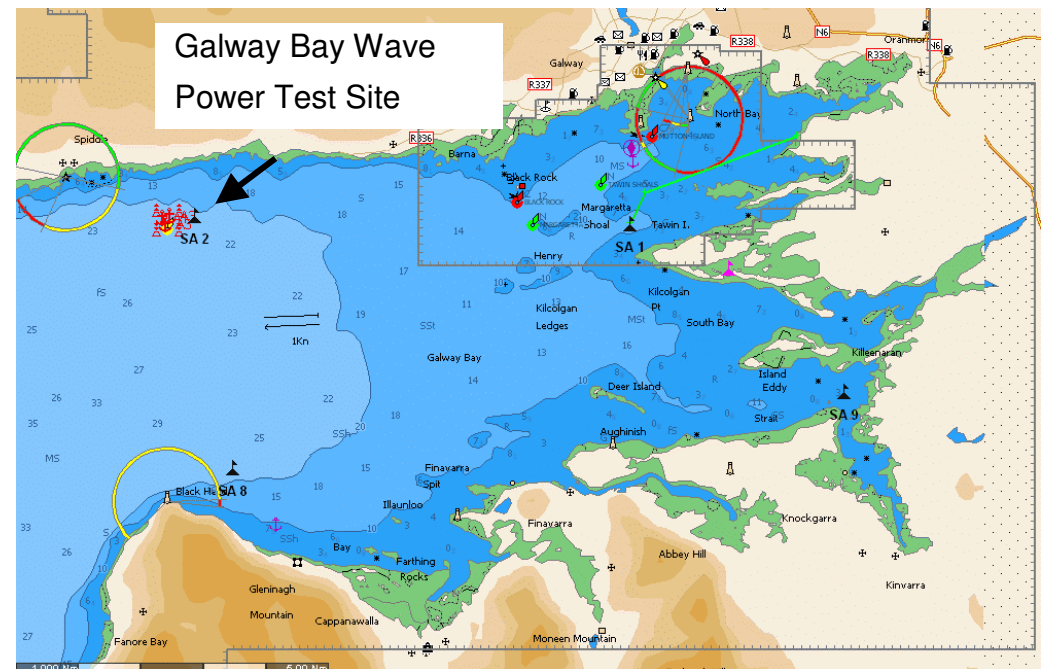
Navigation Studies
Slipway Design
Subsea Electrical
connection options

Proposed offshore test areas

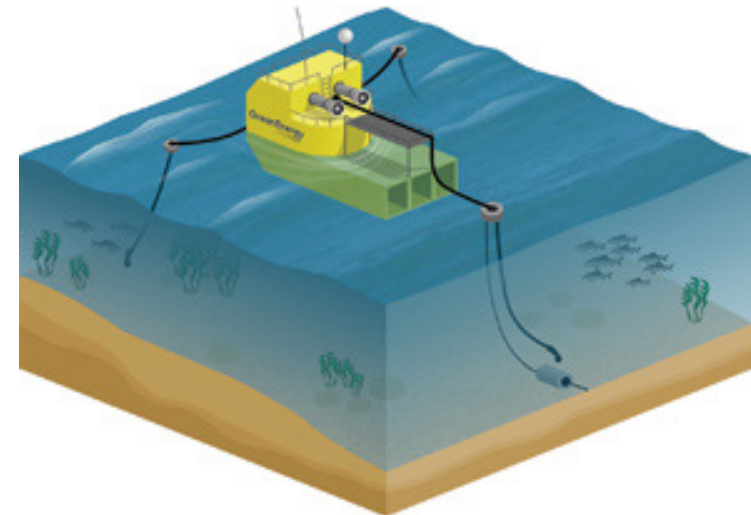


- Tank testing facilities UCC
- Other Specialised facilities at:

University of Limerick
Queens University
NUI Maynooth



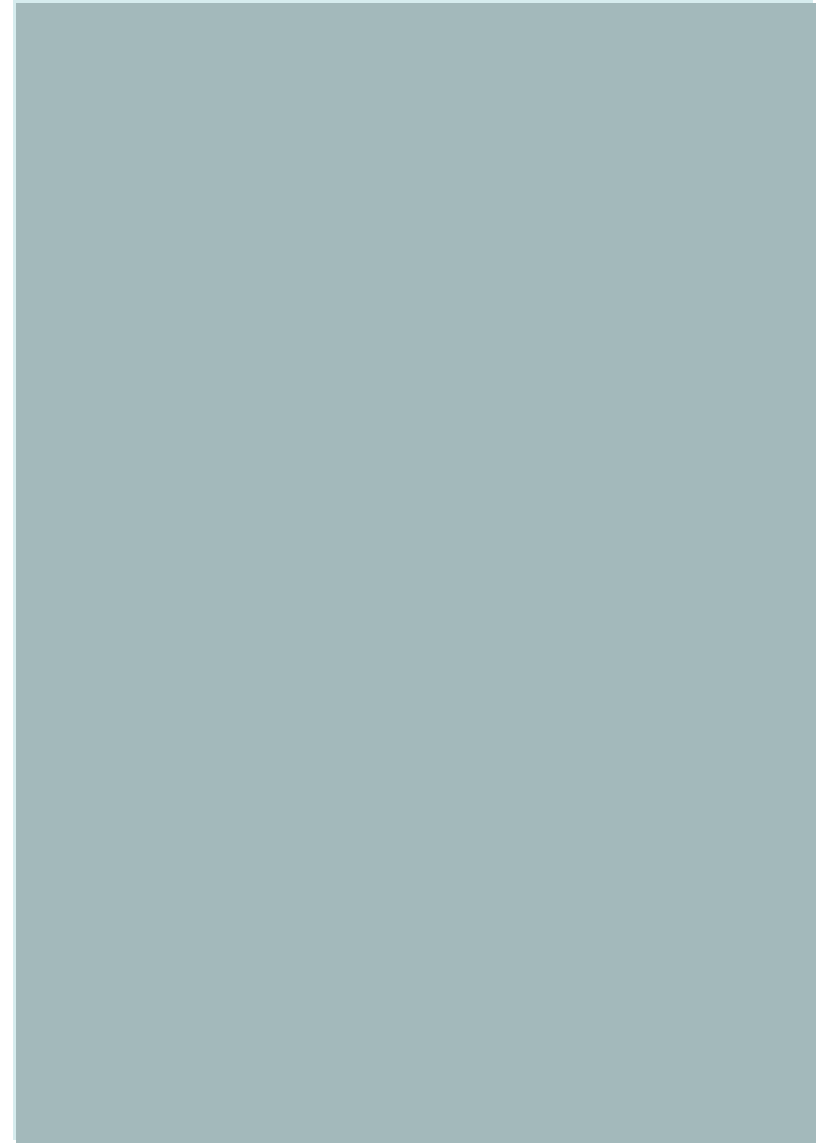
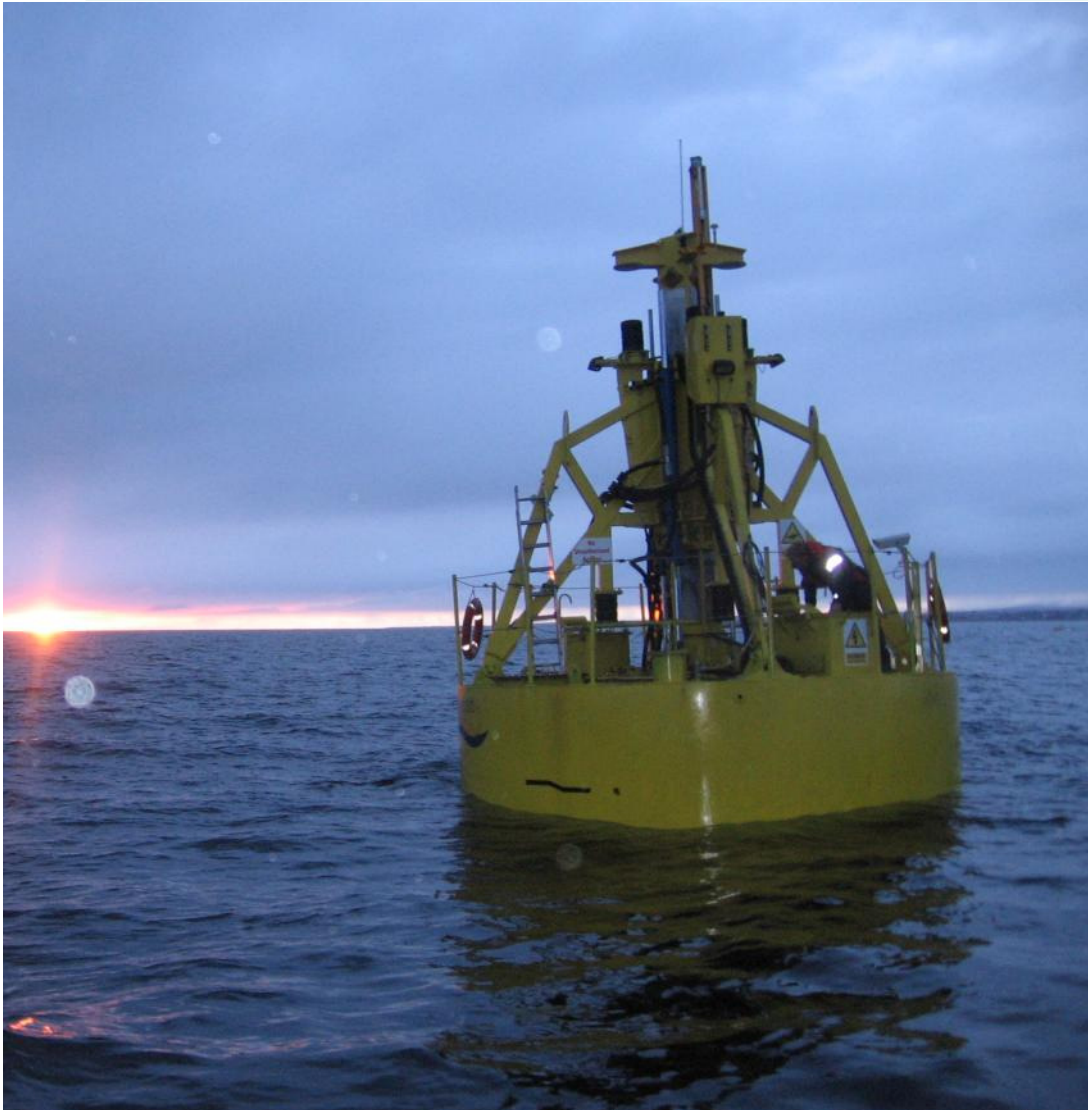
• 1/4 scale test site



**1 Megawatt = 1,000kW =
1,000 homes**

1/4 Scale prototype \approx 20kW

Irish Device – Wavebob



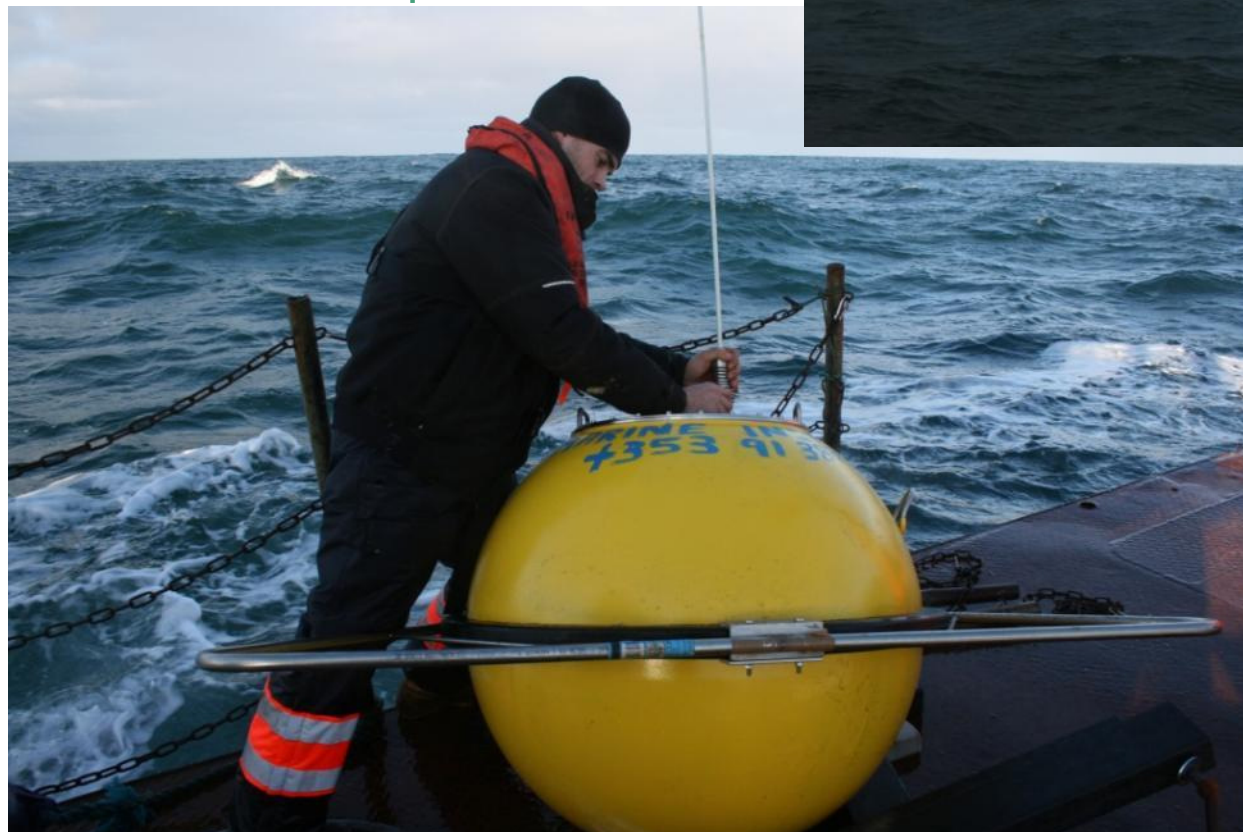
Full Scale Wave Power Device Pelamis



Wave buoy: 2 miles out

54° 13.85N; 10° 8.77W

150m of line and bungee cord
in 50m water depth



Live data on
www.marine.ie



Wave and Weather
Buoy 7 miles out

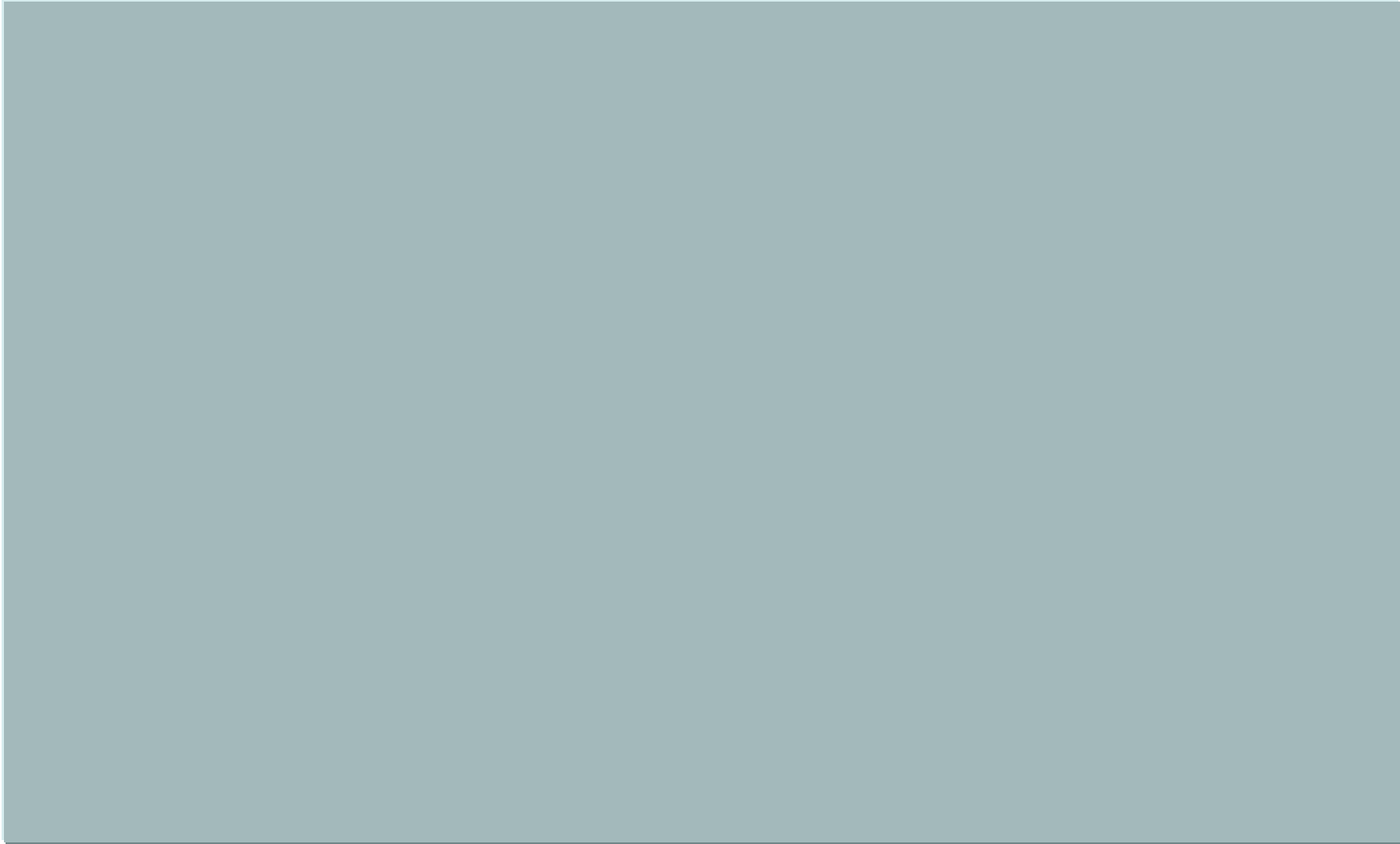
54° 17.14'N; 10° 16.98'W

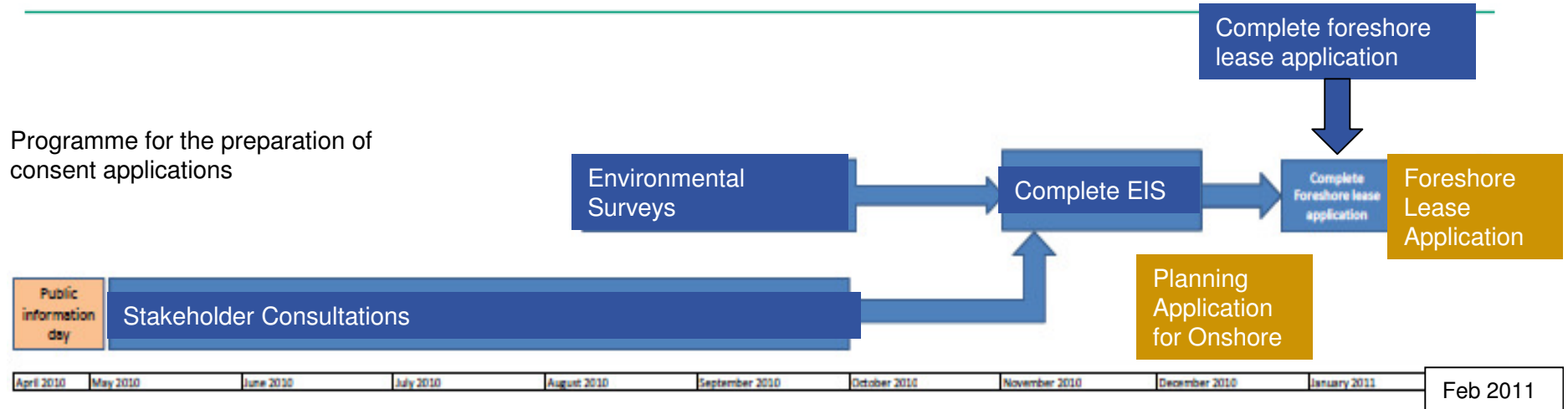


Wind farming:

- **is spatially inflexible** – the wind resources define where wind turbines are to be placed.
- **attracts the human eye** with the movement of the blades and therefore has the tendency to become the centre of attention.
- **adds a technical element into the landscape** that doesn't suit our traditional notions of harmonic landscapes.
- **Landscape is a complex term and is experienced individually with varying connotations to identity or history. Objective criteria are therefore difficult to define.**
- **occupies large areas in open landscapes** – but untouched landscapes appear to be more and more rare.

Proposed offshore test areas





Programme to completion



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Objective

- Ensure that the Belmullet and Mullet Peninsula communities are kept fully informed, in timely fashion, of plans and developments for the Wave Energy Test Site.
- Ensure that they understand that they have a say in how developments proceed, both through the statutory process and through consultation.

Consultation Framework

- Publicise consultation activities
- Communicate the national Ocean Energy strategy
- Set out the proposed project and timeline
- State potential impacts
- Receive comments/queries from public and stakeholders and respond accordingly. Adjust project design as appropriate. (
- Communicate consultation outcomes to the public
- Evaluate efficacy of consultation
- Update public and stakeholders as required on progress of development

<http://www.monaghancdb.ie/forum.shtml>

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Target Grouping)	Action	When	Who (<u>owner</u> <u>underlined</u>)
Fishing Associations	Info and Consultation Meetings	Started 2008 ongoing as required	<u>James</u> , Julie, Paddy
	Frenchport pierworks consultations	as required	<u>James/Julie</u>
	Updates on survey and monitoring activities at sea	as required	<u>James</u>
Marine Leisure Groups	Info and Consultation Meetings	Last meeting 2009. Next meeting August '10	<u>James</u> , Julie, Paddy
Coastguard and RNLI	Info and Consultation Meetings	Last meeting 2009. Next meeting August '10August	<u>James</u> , Julie, Paddy
Landowners Belderra, Annagh	Info and Consultation	Ongoing since 2009. Formal meetings Sept '10	<u>James</u> , Paddy
Local Groups	Distribute Environmental Scoping Doc	July	<u>James</u>
	Offer to meet groups if they wish	July to September	<u>James</u>
	React to queries	July/August	<u>Paddy/Mark</u>
Local Schools	Visits by SEAI	September, October	James, <u>Marcom SEAI</u>
The public	One article per local paper, one programme on MWR	July to September	<u>James</u> , Drury
	Newsletter by post	September	James, Julie, Paddy, <u>Marcom SEAI</u>
Focus Group	Meetings to monitor and improve efficacy of consultation process	July, September	<u>James</u>

Project office in community building in centre of town



Info Day, April 2010



“Publicise consultation activities”

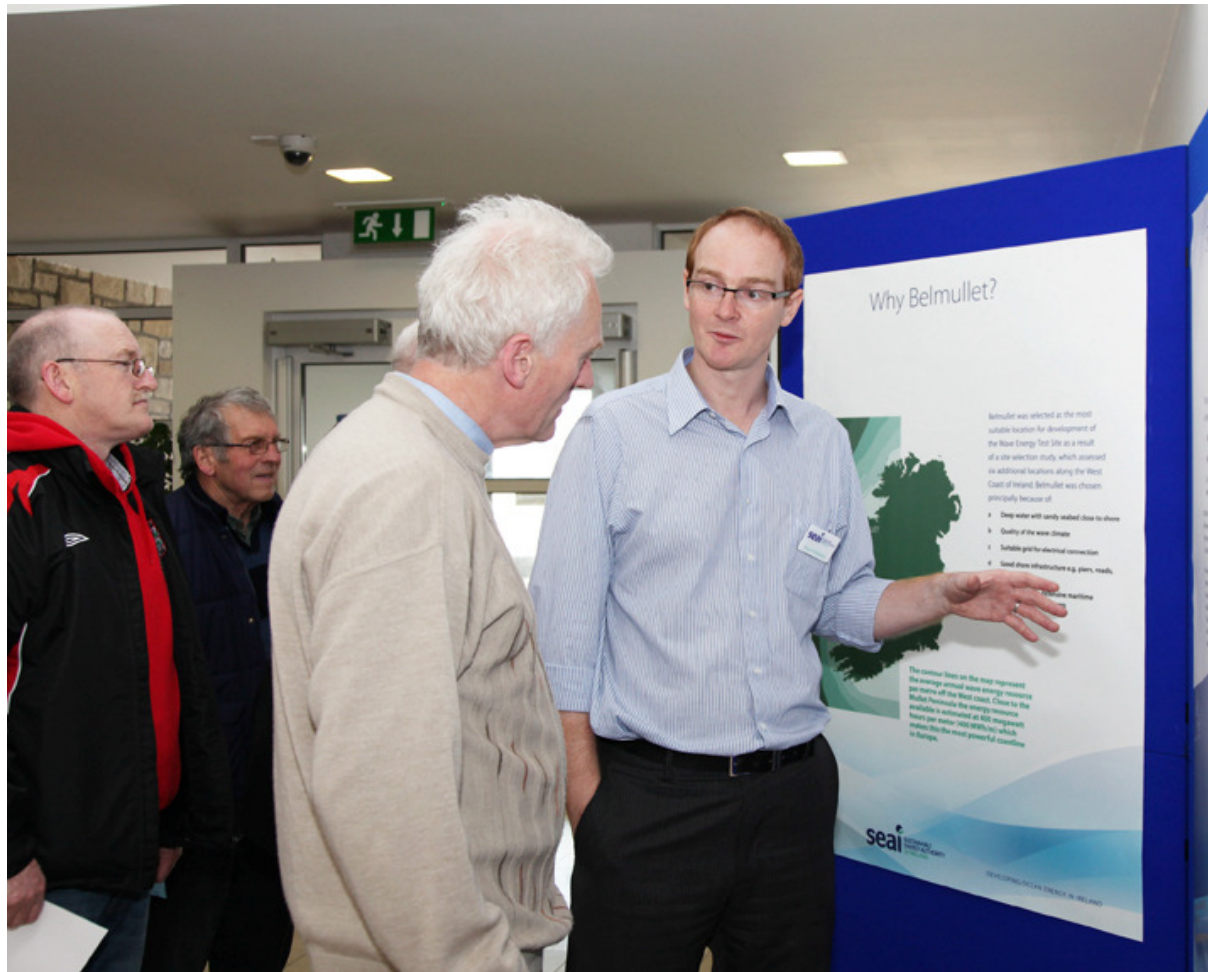
- Invitation flyers to every house
- Interviews on 2 radio stations, MWR, R na G
- Notices in local papers

Activities to date

Info Day, April 2010



Info Day, April 2010



Activities to date

Info Day, April 2010 (Movie)



Activities to date

Info Day, April 2010 (Movie)



ORKNEY RENEWABLES – *making the difference*

SKILLS & EXPERIENCE

WILLOW RESEARCHER
AGRONOMY RESEARCHER
AGRONOMY TECHNICIAN
ACCOUNTANT
BUSINESS BANKER
FINANCE ADVISOR
PLANNER
FERRY OPERATOR
PILOT
CONSERVATION CONSULTANT
SURVEY MANAGER
BOOKKEEPER
TECHNOLOGY CONSULTANT
SUSTAINABLE ENERGY CONSULTANT
MARINE BIOLOGIST
EIA CONSULTANT
ORNITHOLOGIST
WEBSITE ADMINISTRATOR
WEBSITE DESIGNER
ECOLOGIST
ADMINISTRATOR
SAFETY SYSTEMS
SALES
ELECTRICAL ENGINEER
ENERGY CONSULTANT
MARINE SERVICES SUPPLIER
COMMUNICATIONS ENGINEER
PROJECT MANAGER
OPERATIONS MANAGER
PERMITTING MANAGER
HYDRODYNAMISIST
RESEARCH MANAGER
STRATEGIC ADVISOR
COMMERCIAL DIRECTOR
RENEWABLES TECHNICIAN
MARINE OPERATIONS DIRECTOR
LANDOWNER
BIRD CONSERVATION ADVISOR
SUPPLY BASE MANAGER
CONSERVATION MANAGER
ECONOMIC DEVELOPMENT DIRECTOR
COUNCILLOR
CHAIR OF PLANNING
CHAIR OF DEVELOPMENT
CHAIR OF TRANSPORT
CONVENOR
VICE CONVENOR
RENEWABLES DEVELOPMENT OFFICER
GEOGRAPHIC INFORMATION
SYSTEM SPECIALIST



SKILLS & EXPERIENCE

ENVIRONMENTAL MODELLER
FISHERIES SCIENTIST
ENVIRONMENTAL ECONOMIST
ENERGY TECHNOLOGY RESEARCHER
ACADEMIC STUDY MANAGER
RESEARCH PROGRAMME MANAGER
CONSULTATION ADVISOR
MEMBER OF HOUSE OF LORDS
GEOLOGIST
TEACHER
COMMUNITY ENERGY ADVISOR
ROV PILOT
ENERGY INVESTOR
EQUIPMENT PURCHASE
VESSEL CAPTAIN
MARINE SERVICES MANAGER
FERRY SERVICES MANAGER
HARBOUR FACILITIES ENGINEER
MARINE SERVICES DIRECTOR
VESSEL TRAFFIC SERVICES OFFICER
ENVIRONMENTAL ENGINEER
TOXICOLOGIST
ENVIRONMENTAL CHEMIST
ARCHAEOLOGIST
COLLEGE MANAGER
NAVIGATION SCHOOL MANAGER
WIND FARM DESIGNER
DECK HAND
VESSEL ENGINEER
VESSEL SKIPPER
CIVIL ENGINEER
STRUCTURAL ENGINEER
FLUID DYNAMICS SPECIALIST
ELECTRONICS ENGINEER
INVENTOR
TECHNOLOGY DEVELOPMENT MANAGER
MSc STUDENT
PCH STUDENT
SCIENTIFIC DIVER
DIVER
ADCP DEPLOYMENT SPECIALIST
SURVEY TECHNOLOGY SPECIALIST
INDIVIDUAL ENERGY ENTHUSIAST
MP AT WESTMINSTER
MSP AT HOLYROOD
BIOGAS ENGINEER
ECONOMICS CONSULTANT
TECHNOLOGY DEVELOPER
STRUCTURAL ENGINEERING RESEARCHER
COMMUNICATIONS CONSULTANT

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Ongoing Activities

- Extensive distribution of environmental scoping document to local groups – low response.
- Followed up by phone calls and invitation to meet and discuss.
- Local radio interviews, press articles (where possible)

Main Stakeholders - Fishermen

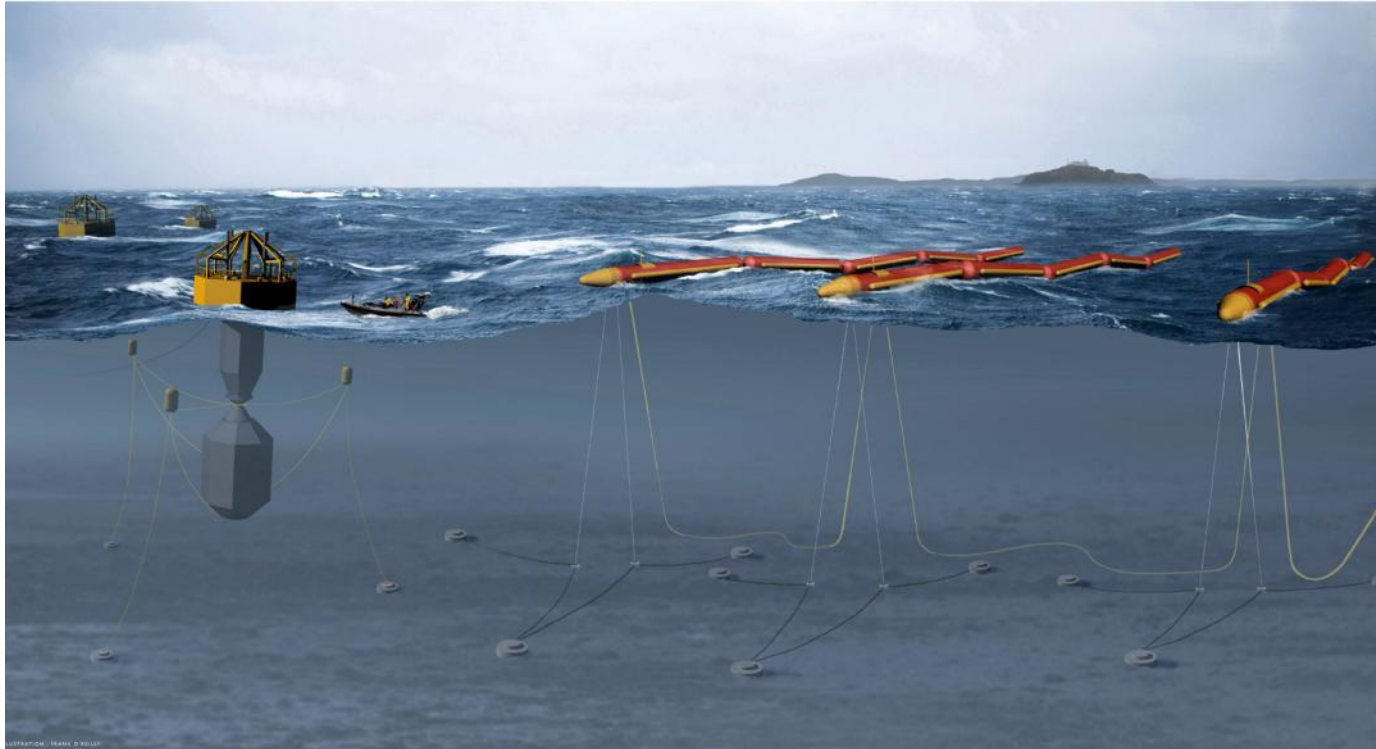
- Fishing intensity map
- Economic study
- Frenchport pier improvement proposal
- Maximising benefits of project for fishermen
- Compensation?

- Local school visits by SEAI re sustainable energy and AMETS
- Opinion formers sponsored visit to Orkney
- Information Day 2:
 - Display EIS findings e.g. Data buoys, archaeological, land and sea birds, marine mammals
 - Project plan update
- News letter, December
- Consultation never stops – will continue throughout construction and operation

What I would do differently

- Start local consultation earlier , perhaps at site selection stage (e.g Spirit of Ireland) – communities should feel that they have to win projects
- Document potential benefits for local community at the start - consultation must not be an after thought, but an integral part of the plan, at the same level as site selection or engineering design
- More resources to consultation programme from the start

Thank you



Ireland's EU Structural Funds
Programmes 2007 - 2013

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