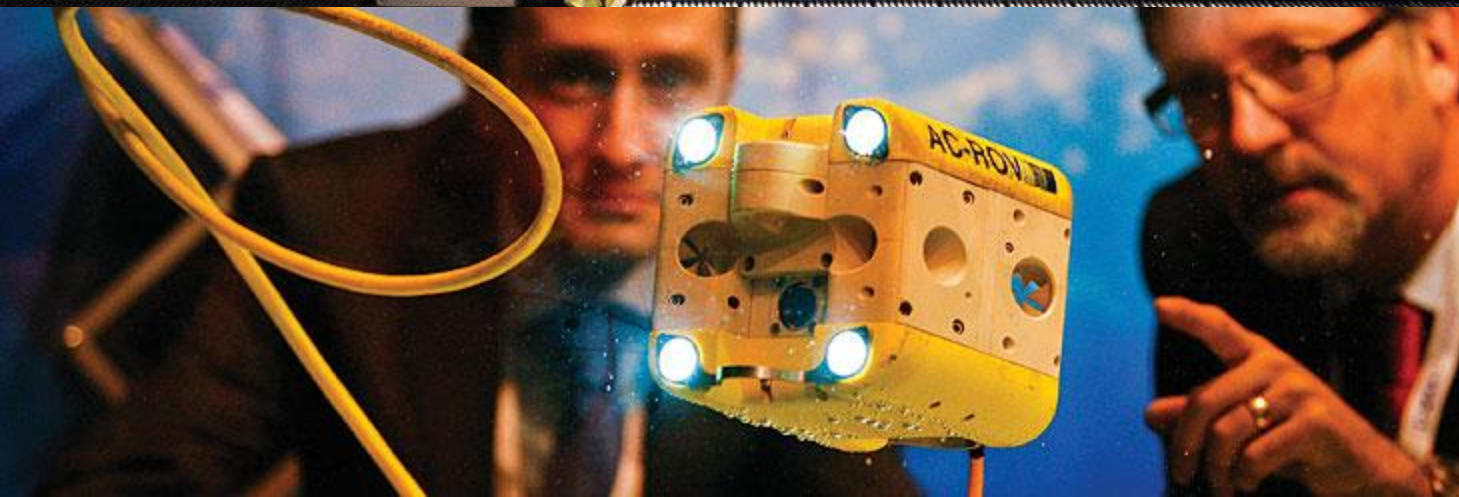




**Marine
Renewable
Energy
Research
and KE
programmes**



**OCEAN
BUSINESS**
at NOC
April 16th ,
2015

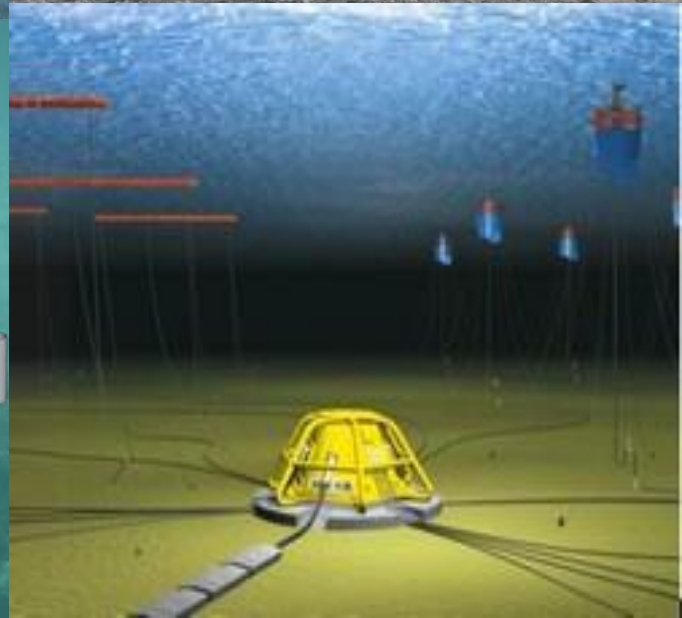
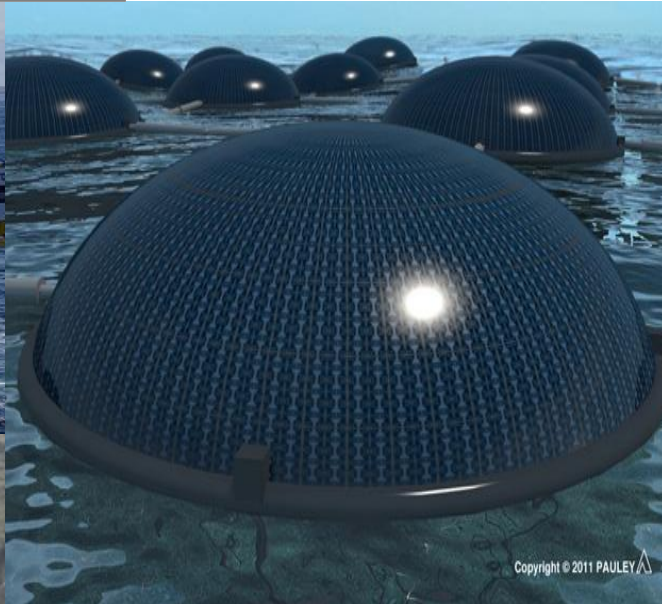


Session to
showcase the
NERC
programmes

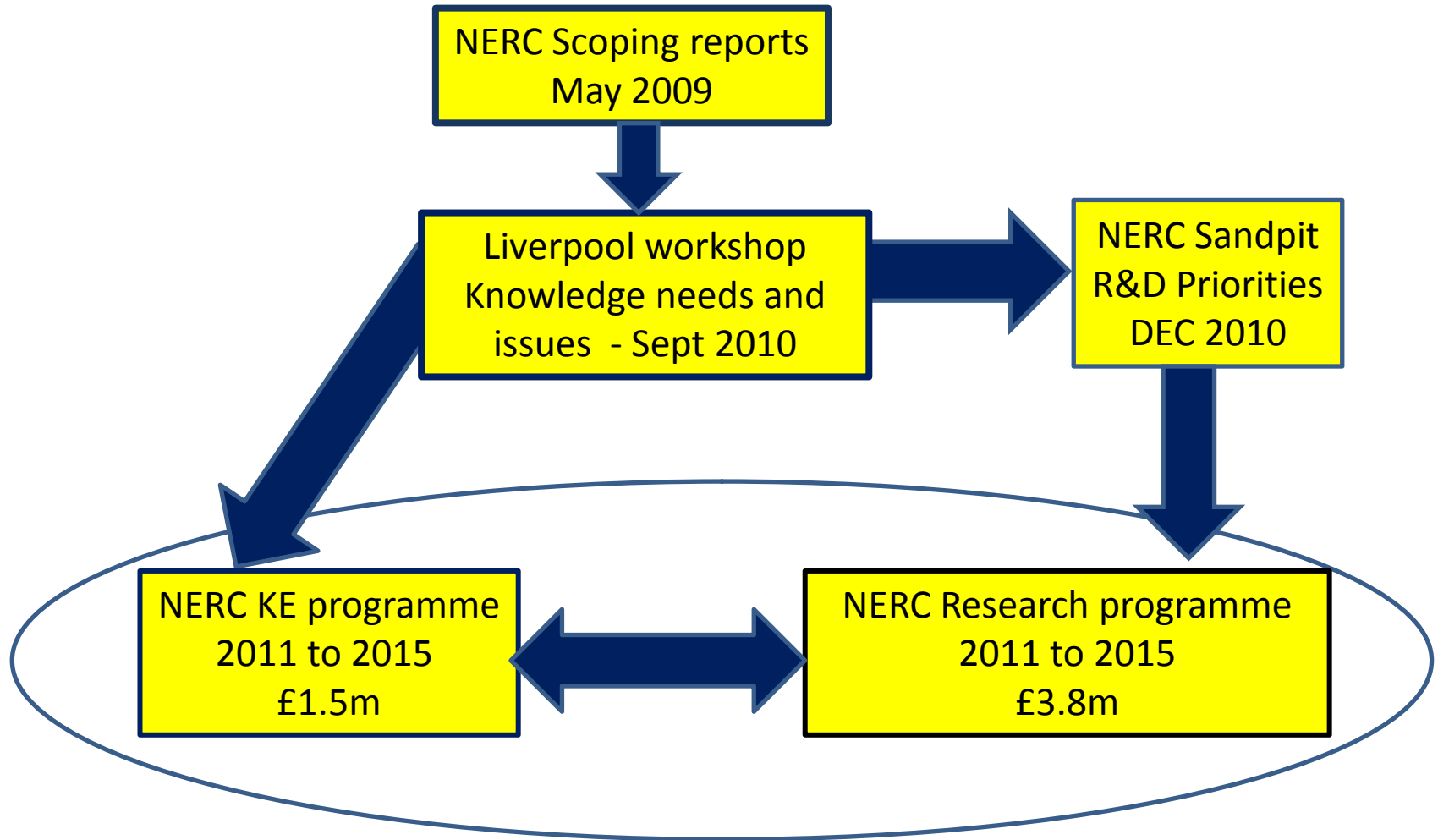
NERC

SCIENCE OF THE ENVIRONMENT

Marine Renewable Energy Programmes



Marine Renewable Energy Programme Development process – highlights



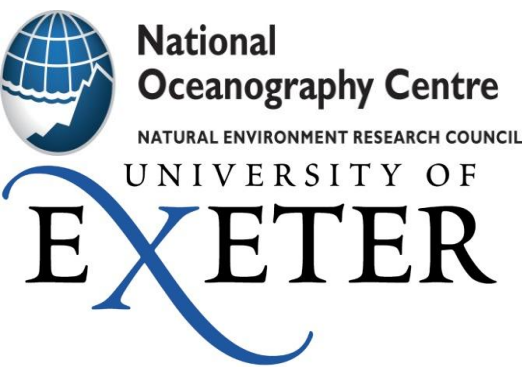
Main Research Programme - four large projects



- FLOWBEC - Flow, Water column and Benthic ecology in 4D
- RESPONSE - do device operations influence habitat use & behaviour ?
- QBEX - Quantifying Benefits and impacts of fishing EXclusion zones
- EBAO - Optimising array design for energy extraction & environmental benefit



THE UNIVERSITY of EDINBURGH



Main objectives :

- to facilitate the uptake of NERC-funded research by relevant businesses, regulators / policy makers,
- to facilitate innovation and translation of knowledge assets to serve the needs of the sector,
- to provide a conduit for feedback from research end users to inform science strategy and investments.

Programme Advisory Group to guide KE programme



Department
for Environment
Food & Rural Affairs

EMEC ORKNEY
The European Marine Energy Centre Ltd

openhydro
— a **DCNS** company

PML | Plymouth Marine
Laboratory

 **BMT** Group

VATTENFALL



marinescotland

Priority science areas :

- Underwater noise
- Data access & management
- Cost effective monitoring
- Cumulative impact assessment
- Risk and uncertainty



SCOTTISHPOWER
RENEWABLES

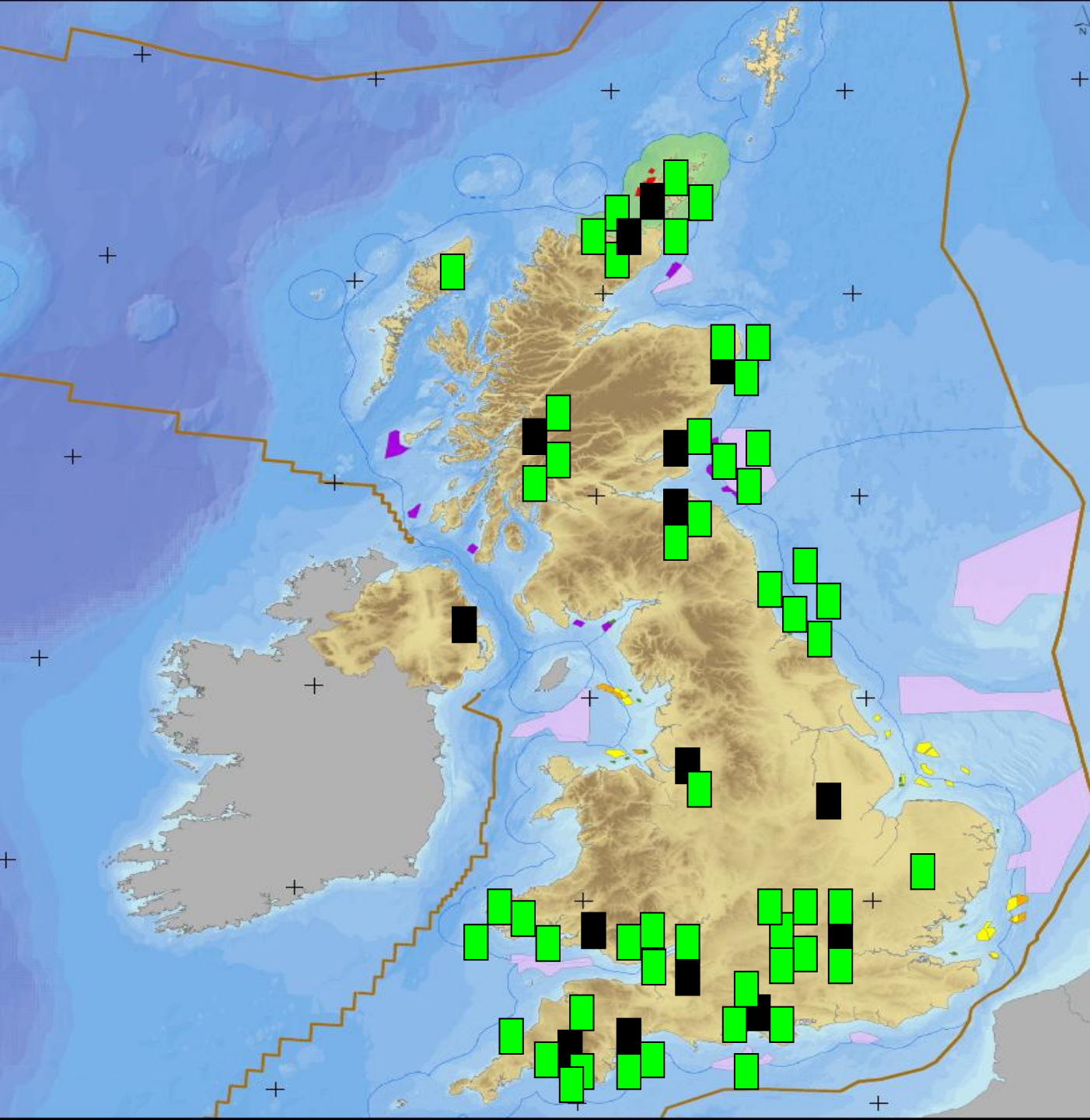
THE CROWN
 **ESTATE**

e.on


**The Scottish
Government**

KE activity / project	Nos
Workshops - Scoping, issues identification, R&D development pathways, R&D update dissemination, consensus building.	12 (8)
Technology translation – includes assessment of application potential of R&D, proof of concept	14
Industry - research fora – does not include business breakfasts or attendance (with stand) at conferences	3
Literature / technology reviews	9
Improved information / data management systems	3
Novel / improved predictive / decision tool	9
Guidance / protocols (includes both peer reviewed and grey literature)	9
internal scoping reports	3
Total	62(70)

NERC : RP partners and KE projects



- NERC RP partners
- NERC KE projects

KE projects, KTPs / CASE awards

