

INSITE

Influence of
man-made
structures in
the ecosystem

INSITE Science Day 2017

The Kohn Centre,
The Royal Society, London

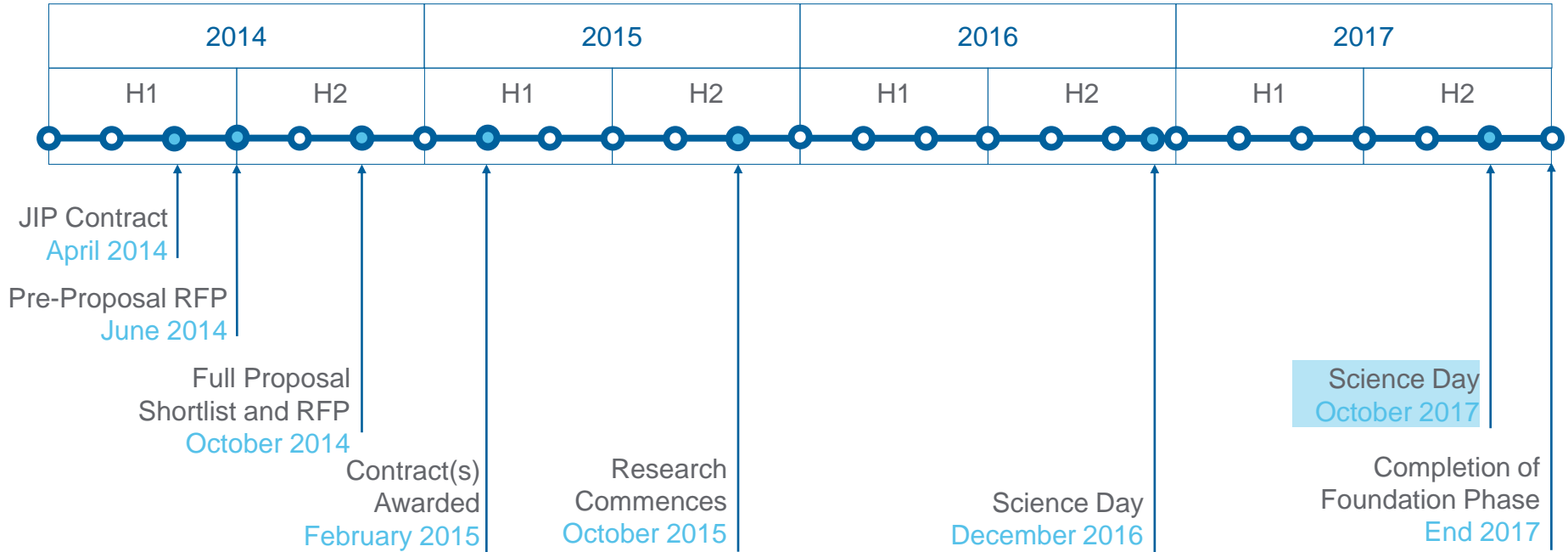
31 October 2017



INSITE	IN fluence of man-made S tructures In T he E cosystem
Funding	8 Sponsoring organisations, made up of oil and gas operators Foundation Phase £2.4M (£1.8M net) over 3 years <i>(BP, Centrica, CNRI, ExxonMobil, Marathon Oil, Shell, Repsol-Sinopec, Total)</i>
Scientific Direction	Independent Scientific Advisory Board (ISAB) Sets objectives and builds the programme to deliver the objectives
Outcomes	Papers and articles published in the scientific media Summary Reports and Science Day Presentations: November 2017 (www.insitenorthsea.org)

INSITE Phase 1 Timeline

INSITE



INSITE Science Day 2017

Time	Item	Lead
08:30	Coffee and Registration	
09:00	Welcome Programme for the Day	Richard Heard, Programme Director Prof Torgeir Bakke, ISAB Chair
09.15	Coupled Spatial Modelling (COSM) – trophic effects due to structures and habitat change in the North Sea	Dr Chris Lynam, CEFAS
09.45	Measuring the shadow effect of artificial structures in the North Sea on the surrounding soft bottom community (Shadow)	Dr Furu Mienis, NIOZ
10:15	Coffee Break	
10.45	Influence of man-made structures in the ecosystem: is there a planktonic signal?	Dr Pierre Heloauet, SAHFOS
11.15	Man-made structures and Apex Predators: Spatial interactions and overlap (MAPS).	Dr Debbie Russell SMRU
11:45	Panel Session – Morning Speakers	
12:15	Buffet Lunch	
13:00	Reef effects of structures in the North Sea: Islands or connections? (RECON)	Prof Dr Han Lindeboom, Wageningen Marine Research
13.30	Understanding the Influence of man-made structures on the Ecosystem functions of the North Sea (UNDINE)	Dr Jennifer Dannheim AWI
14.00	Appraisal of network connectivity between North Sea subsea oil and gas platforms (ANCHor)	Dr Lea-Anne Henry, University of Edinburgh
14:30	Coffee Break	
15.00	Assessing the Ecological Connectivity between man-made structures in the North Sea (EcoConnect)	Dr Kieran Hyder, CEFAS
15:30	Panel Session – Afternoon Speakers	
16.00	ISAB Synthesis and Discussion	ISAB
17:00	Close	

- **Professor Torgeir Bakke (Chair)**, Norwegian Institute for Water Research
- **Professor John Shepherd**, National Oceanography Centre, University of Southampton
- **Professor Jan de Leeuw**, Royal Netherlands Institute for Sea Research and University of Utrecht
- **Professor Karen Wiltshire**, Alfred Wegener Institute and University of Bremen
- **Professor Henk Brinkhuis**, Royal Netherlands Institute for Sea Research and University of Utrecht
- **Professor Steve Thorpe**, School of Ocean Sciences, Bangor University (Retired 2015)

- Chair of ISAB August 2013 - December 2016
- Graham oversaw:
 - Stakeholder engagement 2013
 - Development of the INSITE Objectives and Scope Definition
 - 2014 Request for Proposals
 - Development of the INSITE *Foundation Phase* Programme
- Provided crucial link between academia and industry – the foundation for the success of INSITE



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- Provide scientific leadership to the INSITE Programme:
 - Set and agree Programme objectives with Sponsors
 - Carry out an auditable *Request for Proposal (RFP)* process
 - Build a research programme to deliver the INSITE Objectives based on RFP submissions, within available budget
 - Provide guidance and input to researchers during the research phase
 - Develop scope for further phases of the Programme

Overall:

“To provide stakeholders with the independent scientific evidence-base needed to better understand the influence of man-made structures on the ecosystem of the North Sea”

OBJECTIVE 1: ‘EFFECTS’

Investigate the magnitude of the effects of man-made structures compared to the spatial and temporal variability of the North Sea ecosystem, considered on different time and space scales.

OBJECTIVE 2: ‘CONNECTIVITY’

To what extent, if any, do the man-made structures in the North Sea represent a large inter-connected hard substrate system?

- All PI's have produced a draft final Phase 1 report
- These forms the background for today's presentations
- Basis for the final ISAB report from Phase 1, draft due 1 November 2017

- Final issue of the project reports and ISAB synthesis report publicly available at the end of 2017
- INSITE web-site: www.insitenorthsea.org
- Plan to publish the results of all Phase 1 projects and an ISAB synthesis as separate articles in a special scientific journal issue in autumn 2018.