

# The effect of decommissioned oil and gas platforms on sedimentary 'Blue Carbon' storage

Hugo Woodward-Rowe<sup>1</sup>, Franck Dal-Molin<sup>2</sup>,  
Ben Gregson<sup>1</sup>, Ruth Parker<sup>2</sup>, Natalie Hicks<sup>1</sup>

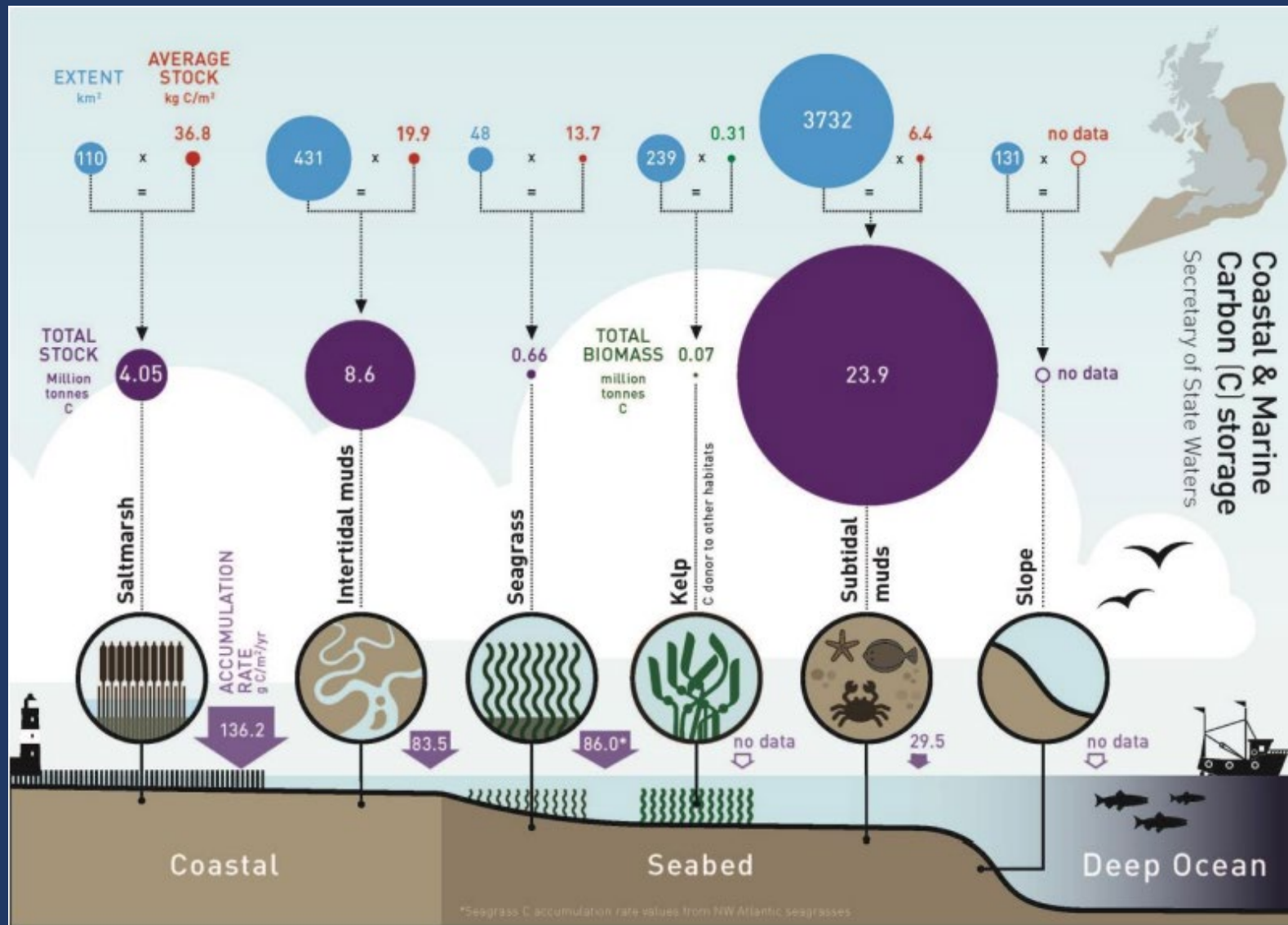
<sup>1</sup> School of Life Sciences, University of Essex, Colchester,  
CO4 3SQ, United Kingdom –  
[h.woodwardrowe@essex.ac.uk](mailto:h.woodwardrowe@essex.ac.uk)

<sup>2</sup> Centre for Environment, Fisheries and Aquaculture  
Science, Lowestoft, NR33 0HT, United Kingdom

Email: [h.woodwardrowe@essex.ac.uk](mailto:h.woodwardrowe@essex.ac.uk)  
Twitter: @WoodwardRowe







Ruth Parker, Lisa Benson, Carolyn Graves, Silke Kröger, Rui Vieira (2021) Carbon stocks and accumulation analysis for Secretary of State (SoS) region, Cefas Report for Defra project ME5439, 42 pp.



University of Essex



The National Decommissioning Centre

Innovation through Partnership



Cefas

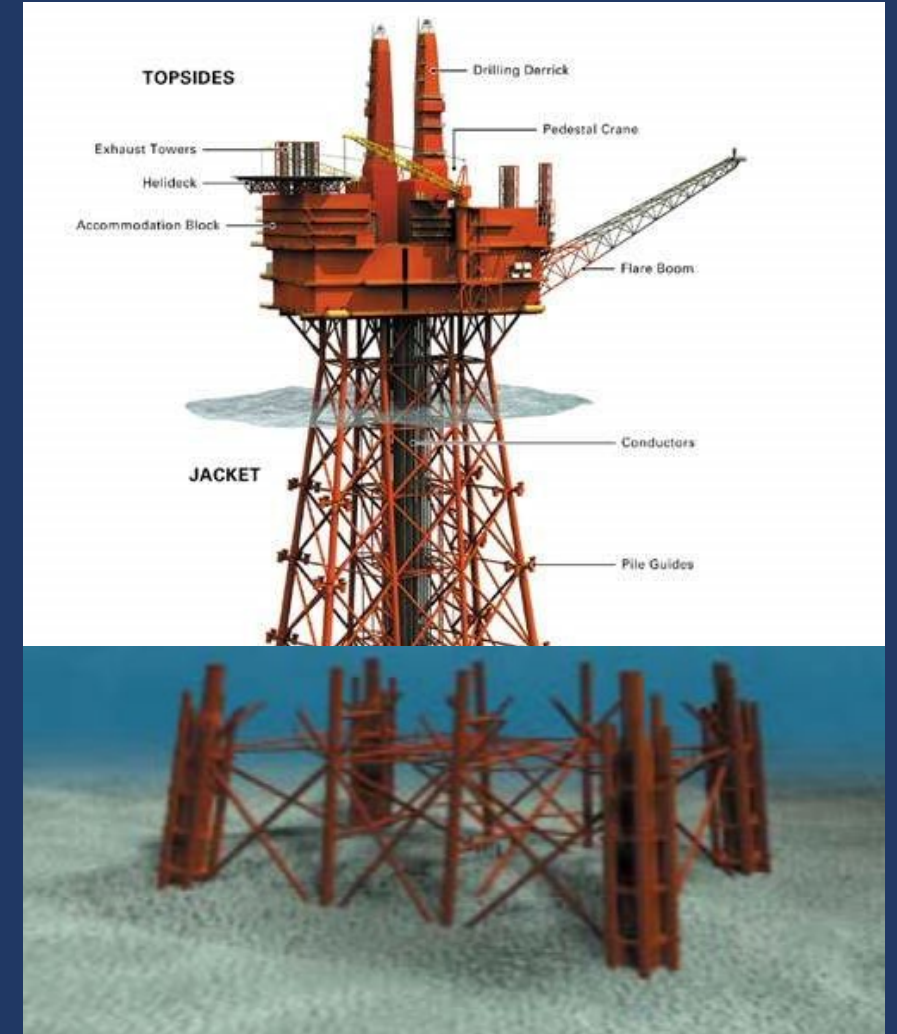
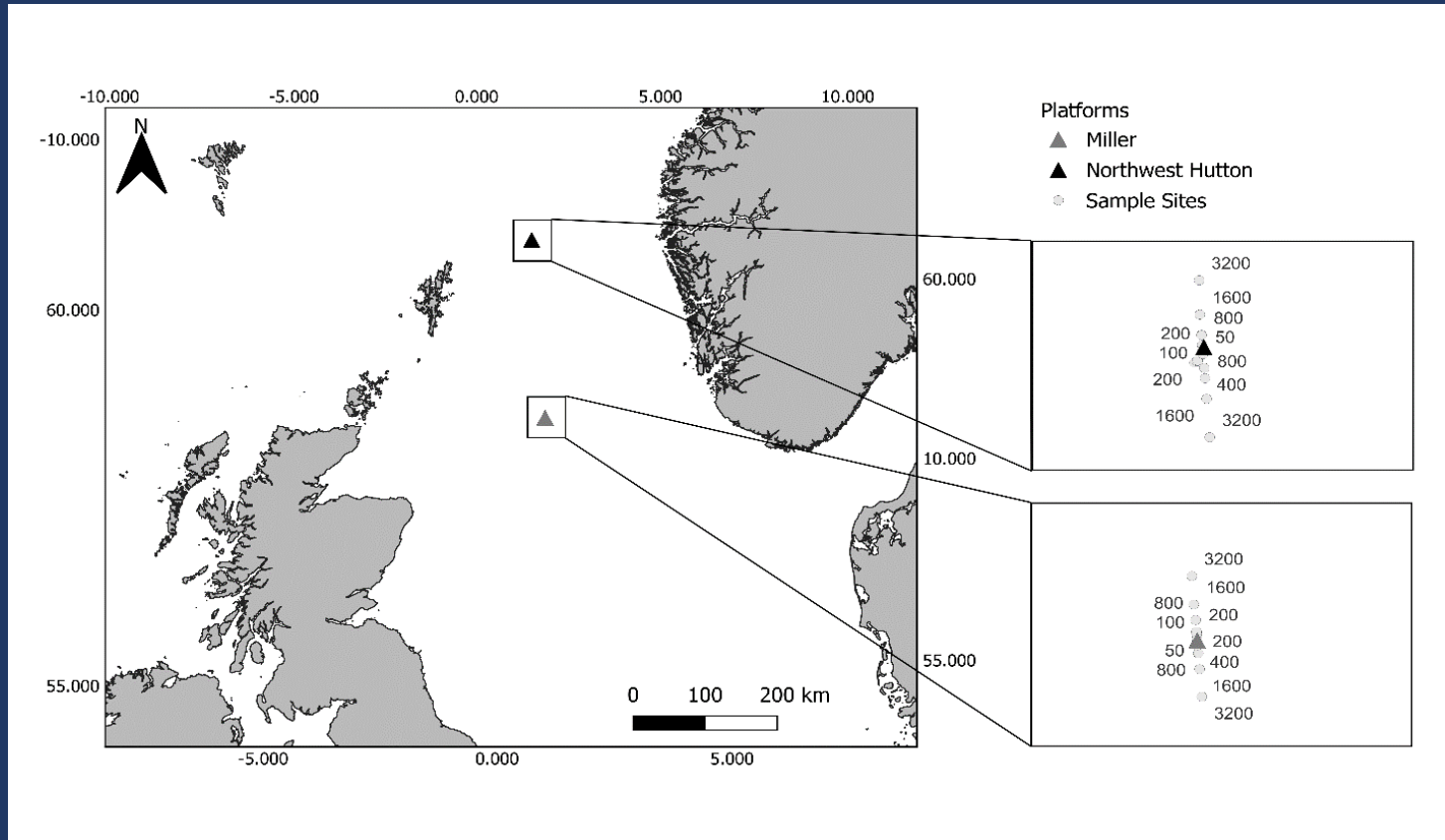
INSITE



UK Research and Innovation



# Oil and gas platforms



University of Essex



The National Decommissioning Centre

Innovation through Partnership



Cefas

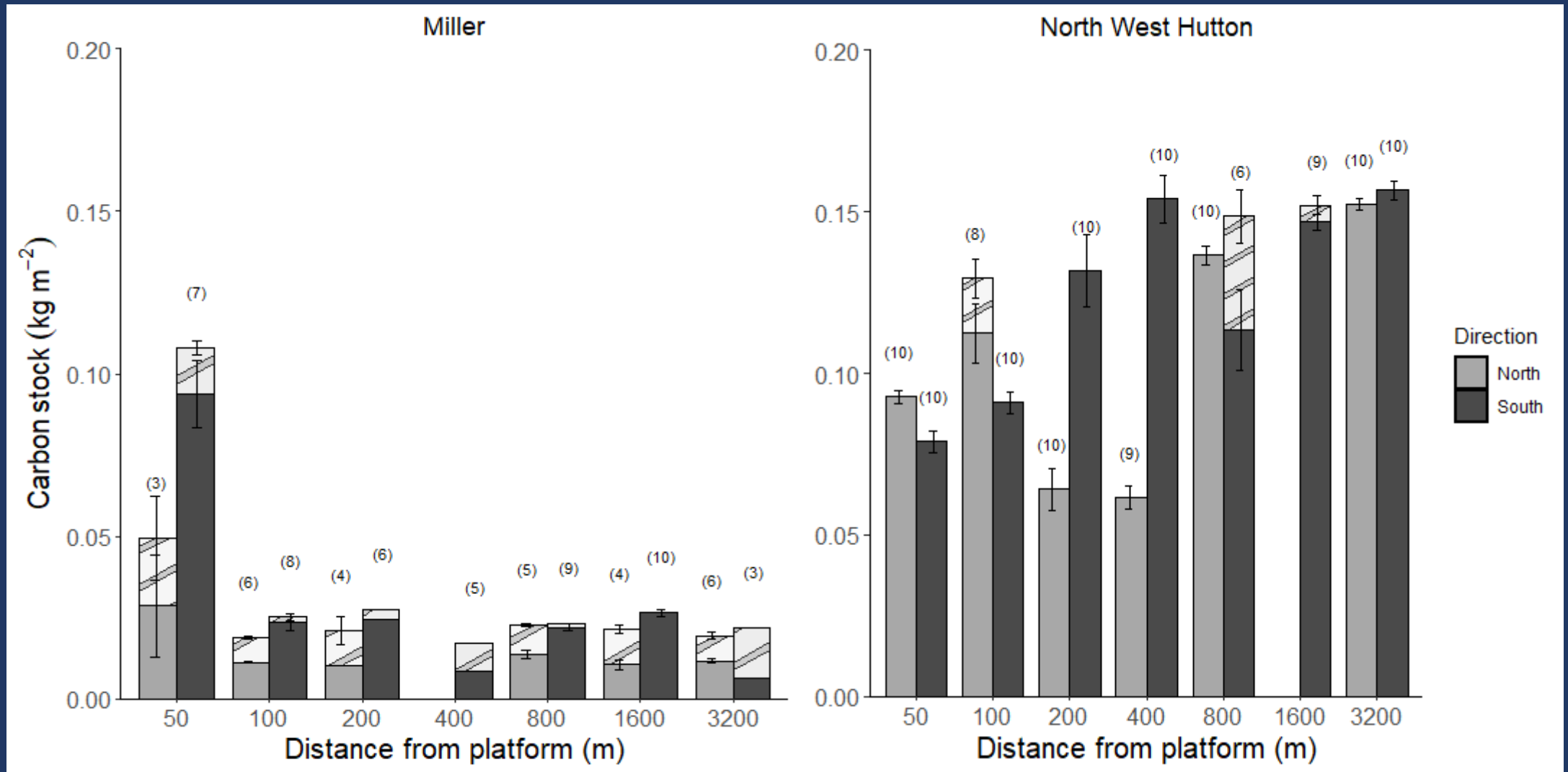
INSITE



UK Research and Innovation



# Organic carbon stock



University of Essex



The National  
Decommissioning  
Centre

Innovation through Partnership



Cefas

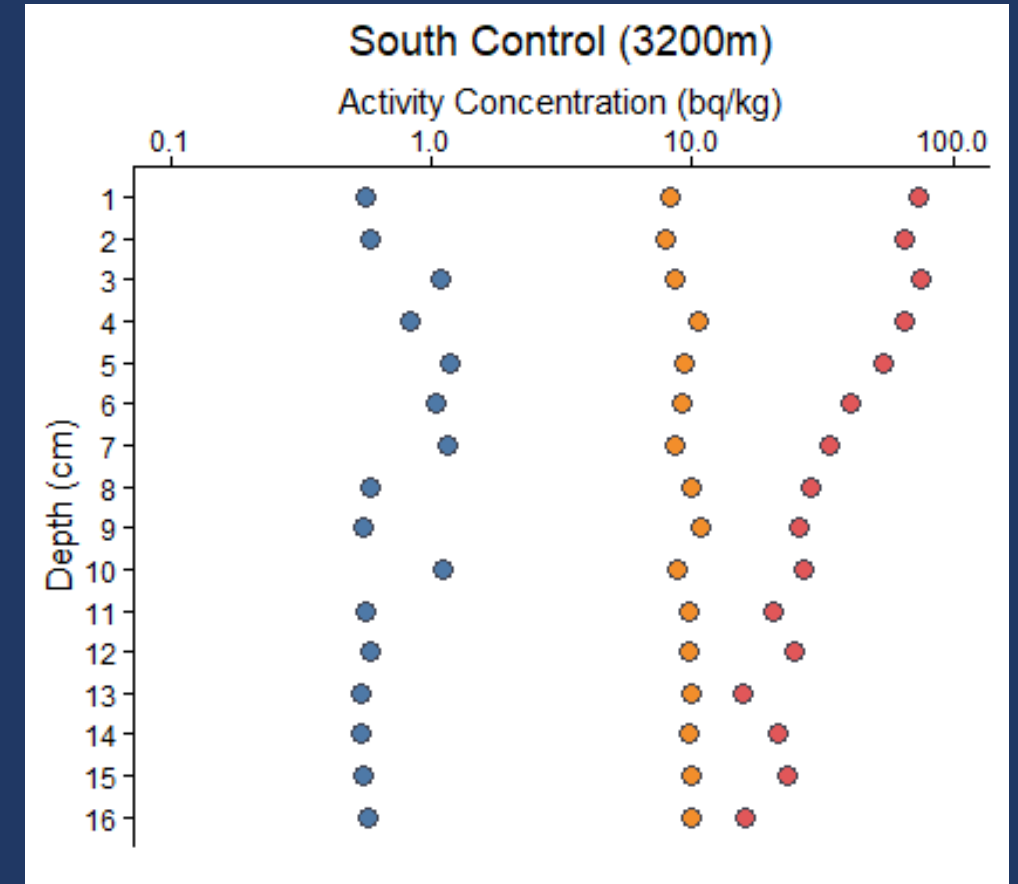
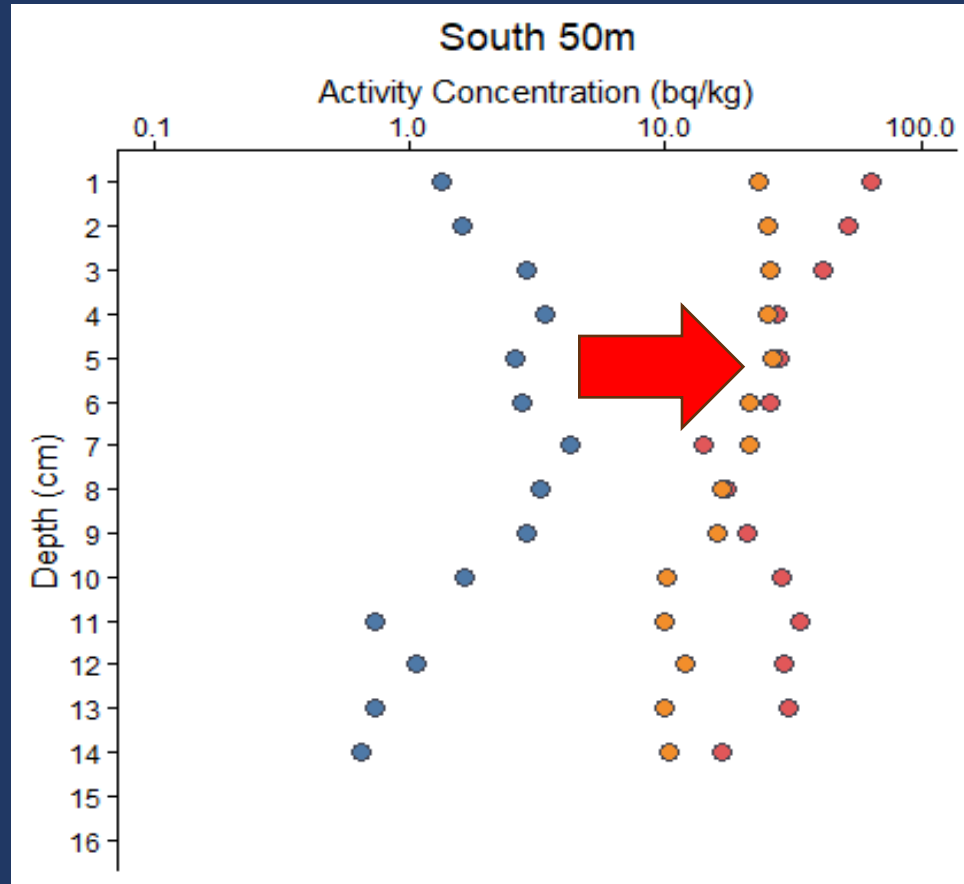
INSITE



UK Research  
and Innovation



# Carbon accumulation rates



Radionuclide ● Cs-137 ● Total Pb-210 ● Total Ra-226



University of Essex



The National  
Decommissioning  
Centre

Innovation through Partnership



Cefas

INSITE

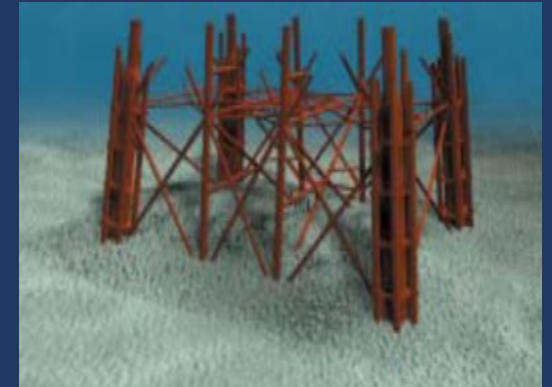
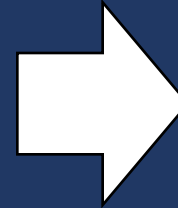
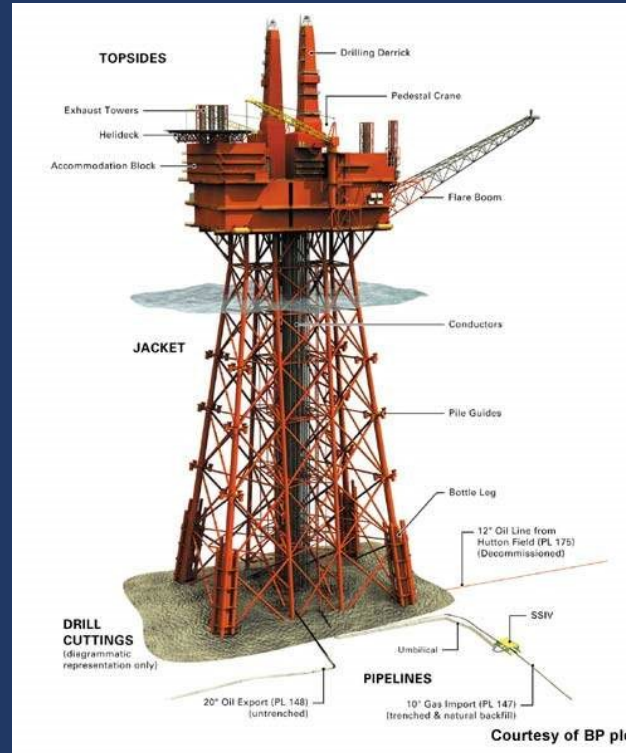
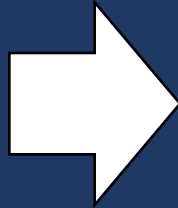


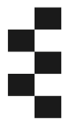
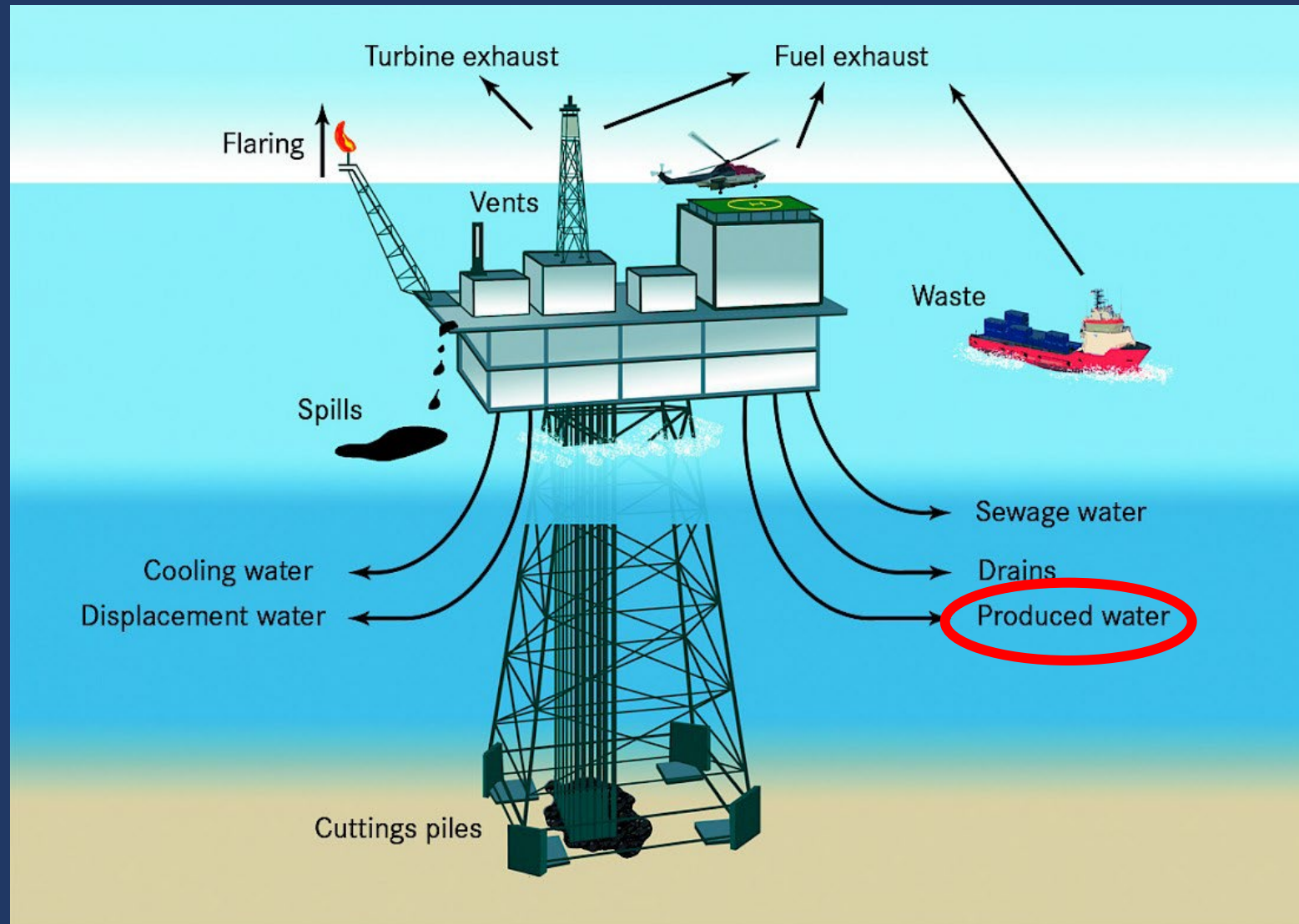
UK Research  
and Innovation





# Industry applications





University of Essex



The National  
Decommissioning  
Centre

Innovation through Partnership



Cefas

INSITE



UK Research  
and Innovation



# Next steps



Windfarm  
analysis

# Contact



SCAN ME



University of Essex



The  
National  
Decommissioning  
Centre

Innovation through Partnership



Cefas

INSITE



UK Research  
and Innovation

