

Agenda for SEA-SWALLOWS Engineering Tool Launch

Date: 23 June 2025, 11:30 – 15:30 UK time

Venue: Building 1W, Room 1W2.101, University of Bath

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Meeting ID: 375 756 923 770 0

Passcode: 3JP9Dq6i

Time	Items	Speakers
11:30-12:15	Registration and lunch	
12:15-12:40	Chair: Prof. Jun Zang, University of Bath	
12:15	Welcome	Prof. Chris Bowen, Associate Dean, University of Bath
12:20 – 12:35	Overview of Sea-Swallows project and the development of Sea-Swallows engineering tool	Prof. Jun Zang, University of Bath
12:35 – 12:40	Remarks by EPSRC Representative	Dr. Jim Fleming, UKRI (slides)
12:40 – 13:30	Chair: Prof. Thomas Adcock, University of Oxford	
12:40 – 13:00	The structure of the Sea-Swallows modelling: Beyond Morison loading – Stokes expansions, symmetry and wave groups	Prof. Paul Taylor, University of Western Australia (Chair of project advisory board)
13:00 – 13:05	Remarks by Supergen ORE Hub Director	Prof. Deborah Greaves, OBE FEng, University of Plymouth (online)
13:05 – 13:10	Remarks by Industry Representative	Dr. RV (Ahilan) Ahilan FEng, ABL Group
13:10 – 13:30	Extreme wave load on monopiles: overview of experimental activities within the Sea-Swallows consortium	Dr. Saishuai Dai University of Strathclyde
13:30 – 13:45	Coffee break	
13:45 – 15:25	Chair: Dr. Saishuai Dai, University of Strathclyde	
13:45 – 14:05	Impact of non-linear wave models on offshore wind turbine design	Prof. Thomas Adcock University of Oxford
14:05 – 14:25	Nonlinear wave loads and structural response	Dr. Thobani Hlophe University of Oxford
14:25 – 15:25	Sea-Swallows Engineering Tool (SeaSwallowsTool) and Methodology	Dr. Haoyu Ding University of Bath
15:25 – 15:30	Closing remarks: Prof. Thomas Adcock, University of Oxford	