

NOC Association of Marine Science National Capability Beneficiaries (NOCA)

13th Annual Meeting 3rd – 4th June 2024

Virtual Meeting



Professor Mark Inall and the membership of the [NOCA Steering Board](#) look forward to joining colleagues from member institutes of the [NOC Association of Marine Science National Capability Beneficiaries \(NOCA\)](#), the [Marine Alliance Science for Science and Technology for Scotland \(MASTS\)](#) and the [Challenger Society](#) at the 2024 AGM of the NOCA. You don't have to be a member of these groups to participate – anyone with an interest in the marine environment is welcome.

Timings for this free, on-line event, to be conducted by Zoom, are:

Monday 3rd June 2024: 10:30 – 12:30

Tuesday 4th June 2024: 10:15 – 12:30

Items planned for the agenda, (below), will include updates from the [Future of Marine Research Infrastructure \(FMRI\) initiative](#) with discussion around potential gaps in the technology landscape. We look forward to welcoming Professor Gideon Henderson FRS, Defra Chief Scientific Advisor, who will talk briefly about COAST (Coastal Ocean Applied Systems Thinking), a cross government CSA committee, and discuss the challenges of delivering strong scientific evidence for policy decision making. A session is also planned around new stakeholder groups proposed for the [British Oceanographic Data Centre](#) and the [NERC Environmental Data Service](#).

Registration: To participate in the 13th NOCA AGM please [register](#) here.

**13th Annual Meeting of the NOC Association of Marine Science National
Capability Beneficiaries**

UK Marine Science 2024: Challenges, current and future

Monday 3 June 2024

10:15 Delegates invited to log on by this time

10:30 Welcome from Professor Mark Inall, Chair

10:35 Item One: Introducing Future Marine Research Infrastructure (FMRI) Programme and the Science Requirements Framework – Dr Katy Hill

Dr Hill will present an overview of the FMRI Programme, the Science Requirements Framework, Community consultation to date, opportunities for further engagement and timeline.

10:50 Item Two: Key Messages from Science Requirements framework Grand Challenge Discussions – Dr Katy Hill and Alycia Smith.

Overview of key discussion points from each Grand Challenge: Knowledge gaps, research infrastructure gaps and looking forward to needs by 2040.

11:15 Break

11:25 Item Three: Cross cutting challenges/opportunities from Grand Challenges so far – Dr Katy Hill to introduce each of the three challenges/opportunities. Mark Inall, or NOCA Steering Board member, to facilitate the ensuing discussion.

How to realistically frame requirements for measuring across variables, and particularly spatial and temporal scales

Recognising that the ocean will always be under-sampled, and we can't 'measure everything everywhere all the time', how do we realistically frame the cascade of observational scales required? How do we use this as an opportunity to strengthen integration across, among other things – satellite/in situ observations and model capabilities etc?

Leveraging observational platforms and their combined strengths to meet range of requirements

How can we leverage platforms to collocate multidisciplinary observations and maximise synergies and interdependencies between observation/platform types to maximise information value.

How might developments in data sciences and digital tools help to address all science requirements?

While we are seeing developments in in observational technologies, there are also rapid developments in data sciences and digital infrastructure which FMRI can capitalise on to 'maximise science impact and information value' for investment and particularly glean new insights into the data collected. This includes, among other things, next generation models, AI/ML tools, development of digital twins, etc.

12:25 Summary and wrap up – Prof. Mark Inall

12:30 Close of day one

Tuesday 4 June 2024

10:00 Delegates invited to log on by this time

10:15 Welcome from Professor Mark Inall, Chair

10:20 Item Four: Currently funded FMRI projects – updates from leaders
Introduction - Dr Kristian Thaller

10:25 Wireless Interrogation of Seabed Pressure Arrays (WISPA)
Professor Mark Inall

10:35 The BIO-Carbon Project – Dr Adrian Martin

10:45 Questions

10:50 Item Five: The NOC Association – Dr John Siddorn
Initial thoughts on the future direction of the NOC Association

11:00 BREAK

11:15 Item Six: New stakeholder groups proposed for the [British Oceanographic Data Centre](#) and the [NERC Environmental Data Service](#).
Dr Jon Blower

11:25 Questions

11:30 **Item Seven: Update on the objectives and research themes of AtlantIS (the continuation of CLASS), and how the community can engage - Professor Penny Holliday**

11:45 Questions

12:00 **Item Eight: COAST & National Capability – Professor Gideon Henderson FRS**

Professor Henderson will talk about Coastal Ocean Applied Systems Thinking (COAST), a cross-Government forum, chaired by Defra and this session will focus on the challenges of delivering strong scientific evidence for policy decision making. Professor Henderson is keen to hear your views about the issues that Government needs to consider, from the ocean/marine point of view.

12:20 Questions

12:30 End of the 13th AGM of the NOC Association