

Science Requirements Framework Champions

Role Description

Date: **Mar-24**

1. Introduction

The Future Marine Research Infrastructure (FMRI) programme aims to develop and deliver the Natural Environment Research Council (NERC) strategic investment in the next generation of large-scale, research infrastructure that will provide UK marine scientists with continued access to world leading capabilities. FMRI aspires to deliver a marine research infrastructure that allows us to observe the ocean in greater detail than ever before, enables cutting-edge scientific research and offers solutions for a sustainable planet.

2. The Role

Delivering a future research infrastructure begins with understanding the science requirements. The FMRI Science Requirements Framework (SRF) due to be submitted to the FMRI Board in March 2025 will articulate the science goals and requirements that are needed to design the future infrastructure.

The SRF is structured around 5 marine science Grand Challenges:

- The role of the ocean in a changing climate,
- Protecting biodiversity and ocean health,
- Marine pollution: its sources, distribution and solutions,
- Strengthening resilience to natural hazards and extreme events,
- Sustainable blue economy and ecosystem services.

The SRF process is led by the FMRI Lead Scientist with the support and oversight of an Editorial Group who have been selected by virtue of their existing national roles. FMRI is also appointing SRF Champions who will help to lead the discussion around each of the Grand Challenges.

3. Responsibilities

SRF Champions will:

- Draw on relevant strategies and programmes to frame the Grand Challenge and initial questions for discussion at the FMRI SRF [Roadshow workshops](#).
- Attend at least one of the Roadshow workshops and chair/support breakout discussions.
- Engage with leaders and national forums/initiatives in the community relevant to their Grand Challenge.
- Work in collaboration with their Grand Challenge co-Champions and the Editorial Group to synthesize outcomes contribute to the preparation of the Science Requirements Framework.

4. Other information

SRF Champion roles are not remunerated, but reasonable travel and subsistence expenses for attending roadshow events will be covered within National Oceanography Centre policy limits. Please contact fmri@noc.ac.uk for further details on how expenses are managed.