

Discussion 2: Introduction to NPOP and Challenger SIG groups

Piyali: National Partnership for Ocean prediction

NPOP waves activity group have quarterly meetings, with science talks. Shared information about relevant events and other meetings. They ran a workshop in November last year on the future of wave waves group for the UK. Identify suitable calls to focus / work on wave science. Members in organizations like NOC, Met Office, Cefas cannot host students – so NPOP is trying to identify superior teams and build connections around future EPSRC/DPTs.

Lucy: Challenger Waves SIG

Waves SIG is a UK group of scientists studying waves. It meets roughly every 2 years, started by Judith Wolf as a mainly academic group. But has grown and I now have about 100 people on the 'mailing list. I would like to be inclusive, covering work done in commercial / consultancy, and forecasting centres. As well as covering Universities / research institutes and inviting new PhD students to join the group.

Discussed overlap with the two groups, and how they complement one another. Growing strategic partnerships and identifying where wave science is being done in the UK.

Best route for sharing info / communications in this group?

Raphael: links and overlaps with the UK Fluids Network. But the waves SIG is a unique group with kind of industrial partners, which can be hard to find when working solely in university. Beneficial to make those connections

Lucy: I can use the waves SIG mailing list to share material that might be relevant for the SIG. e.g. Internal grant / call for industrial partners / Studentships. Email newsletter? With brief bullets / info on meetings/ calls of interest.

Upcoming calls / collaboration ideas

Breo: new Flood-CTD is a new programme to join industry and research. First cohort of students start this summer, running for 4 years.

[Flood-CDT Projects | National Oceanography Centre \(noc.ac.uk\)](http://www.noc.ac.uk)

Maybe can't do a solely waves focussed call. Rather embed the waves science into for example): Risks to infrastructure, contribution to coastal or hazards, improving climate models.

Tomorrow's engineering research challenges. EPSRC:

<https://www.ukri.org/opportunity/epsrc-network-plus-tomorrows-engineering-research-challenges/>

What funders: NERC / EPSRC /Horizons Europe?

Special issue / paper collection

"Ocean Wave Modelling and Climate Impacts: Advances and Future Directions" Joint Special Issue in Ocean Engineering & Ocean Modelling:

<https://www.sciencedirect.com/journal/ocean-engineering/about/call-for-papers#ocean-wave-modelling-and-climate-impacts-advances-and-future-directions>

Bahareh: call for a COST action. Currently there is no cost on anything related to ocean science or engineering or sea state modeling or anything related to that. This could be a good opportunity to gather people who are working in that area to form a group and we can apply for funding to support networking. We can consider forming a cost action on a topic like "sea state modelling and climate change impact".

<https://www.cost.eu/funding/open-call-a-simple-one-step-application-process/>

Interface between EPSRC and NERC, wave cover both fields. How to span this space without falling between the gaps. Innovation research? Develop calls based around instruments / new tech. not just the frontiers science

Lucy Wyatt: Yes, has bid to COST-actions in the past

Breo: Met Office/Env Agency need to increase capability (e.g. new model developments) will not be funded through strategic calls. Better connections throughout this group to know where there are existing skills and expertise in wave work ongoing. Appropriate networking systems in place so you know people are aware of your skills.

Repository of expertise

Is this a good route to know who does what (on the SIG project page)? Could add some more information / science interests to the Wave SIG members page here:

<https://projects.noc.ac.uk/windwavesSIG/members>

Next meetings?

Main Challenger Society meeting in Oban September 2024

Next wave SIG in 1 or 2 years? Possibly co-ordinate this around the UK Coastal Research Conference (UKCRC) in Liverpool 2025?