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Type: **Talk**

Lessons learnt from Observing System reviews and perspectives on next steps

Wednesday 19 July 2023 09:10 (15 minutes)

In the early 2000s while we were building the sustained observing system (out of WOCE and TOGA), the global community was focused on filling in the dots on the map. Once we had a basic global ocean observing system the focus had had to become more nuanced of augmenting, reviewing and evolving the observing system, while there is a continued need to provide guidance on priorities for investment. We need to continually demonstrate that we are observing the ocean smarter and delivering more for investment particularly in light of a) a system primarily funded by research, and b) expanding observation requirements. This talk will draw on;

- * Experiences in planning and prioritising a system from scratch (IMOS),
- * International planning through GCOS and GOOS
- * Lessons from other observing system reviews (e.g. TPOS 2020 and other regional reviews) –what worked/didn't work (consideration of multiplatform design, links to models, associated needs for process studies/pilots to evolve design and improve models).
- * Experience in engaging with G7 (and other) funders.
- * UK future planning –Future Marine Research Infrastructure.
- * Key messages: recommendations and next steps. Framing/designing observing system reviews, what triggers a review, shaping actionable recommendations.

Presenter: HILL, Katy (NOC)

Session Classification: Roadmap for future AMOC observing