

## BIANNUAL ACHIEVEMENTS REPORT



### BIANNUAL ACHIEVEMENTS REPORT REQUEST – RESEARCH GRANTS

**Reporting Period:** Q4, 2018/19

Dear Colleague

Please find attached a template to report on the outcomes and impacts of the NERC Highlight Topic or Discovery Science Large grant for which you are the lead Principal Investigator. Please email your completed report to [reporting@nerc.ukri.org](mailto:reporting@nerc.ukri.org).

Please provide narrative under the following headings:

- *Key achievements (please try to keep within 200 words each)*
- *Overall progress with the project (100-200 words as a guide)*
- *Any notable issues encountered (if any and remedial actions undertaken, if needed)*
- *Any newsworthy activity planned or known about in the next 6-9 months*

This reporting process is intended to be high-level, light touch and flexible. Please try to be concise. Ideally, the whole report should not exceed one side.

Between reports, if there are any significant good news stories, delays or issues affecting the grant, please let us know as soon as possible at [researchgrants@nerc.ukri.org](mailto:researchgrants@nerc.ukri.org).

If you require further help in completing the report, please do not hesitate to contact us [reporting@nerc.ukri.org](mailto:reporting@nerc.ukri.org).

## BIANNUAL ACHIEVEMENTS REPORT

Research Grant Reference	NE/K010948/1, NE/K010875/1, NE/K010972/1, NE/K010700/1		
Grant Title	The UK Overturning in the Subpolar North Atlantic Program (UK-OSNAP)		
Completed by	Penny Holliday	Date	29 April 2019

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### Key achievements

Major OSNAP paper published in *Science*, stimulating a good amount of media interest (Lozier et al, 2019, *Science* <https://science.sciencemag.org/content/363/6426/516>)

UK OSNAP at SAMS has recruited a postdoc, started Jan 2019

UK OSNAP mooring data (and underpinning CLASS mooring and glider data) recovered in 2018 have been processed, quality controlled and delivered to the OSNAP data hub (Duke University) ahead of the community-set deadline. Second set of overturning metrics data expected to be finalised in autumn 2019.

Four new high quality papers have been published in this period, and more submitted

In Jan 2019. NOC hosted a visit to the UK by overall OSNAP PI Prof. Susan Lozier. Lozier and Holliday presented a review of the OSNAP programme aims, challenges, successes and future plans to the RAPID/OSNAP International Review Panel (commissioned by NERC).

### Overall progress

- Overall progress is **very good**

- The OSNAP programme to date has generated 23 published or accepted-online papers, with 7 more submitted for review.

- OSNAP has moved to full recovery of the array every 2 years, meaning there are no cruises planned for 2019. Cruise plans are in place for 2020.

### Notable issues (if any)

No issues identified in present programme. The major concern of the PIs at the moment is securing funding for the OSNAP array to achieve a full 10 years of data. All international partners are committed to seeking further funding.

### Upcoming newsworthy activities

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