

**Application for berths for Early Career Researchers
on CLASS research cruises**

*Please see* [*prj.noc.ac.uk/class*](file:///C%3A%5CUsers%5Capre%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CINetCache%5CContent.Outlook%5C1EH22V7P%5Cprj.noc.ac.uk%5Cclass)*/sustained-ocean-observations for details of the CLASS cruises, their location and approximate timings.*

*Please contact the Principal Investigators (PI) for the cruises you are interested in before you complete this form. This will allow you time to discuss the feasibility of your ideas in the context of the cruise objectives and plans. We cannot guarantee that we can accommodate all applications.*

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| **Research Cruise** | **Principal Investigators** | **Contact email** |
| Atlantic Meridional Transect (AMT) | Andy Rees | *apre@pml.ac.uk* |
| Porcupine Abyssal Plain (PAP) | Sue Hartman | *S.Hartman@noc.ac.uk* |
| Ellett Array | Stuart Cunningham | *Stuart.Cunningham@sams.ac.uk* |
| 26N GO-SHIP Hydro Section | Alejandra Sanchez-Franks | *alsf@noc.ac.uk* |
| 57N GO-SHIP Hydro Section | Penny Holliday | *Penny.Holliday@noc.ac.uk* |
| Marine Protected Area Fixed Point Observatories (MPA FPO) | Veerle Huvenne | *V.Huvenne@noc.ac.uk* |

*You can make an application for Early Career Researcher (ECR) berths on the CLASS cruises at any time, and deadlines for applications for the* ***2020 CLASS cruises*** *are as follows:*

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| **2020 Cruise** | **Cruise Dates** | **Planning Meeting** | **Application Deadline** |
| 26N GO-SHIP Hydro Section | Jan-Feb 2020 | ~June 2019 | 31 May 2019 |
| PAP site | summer 2020 | ~February 2020 | 31 December 2019 |
| Ellett Array | summer 2020 | ~February 2020 | 31 December 2019 |
| MPA FPO Whittard Canyon | summer 2020 | ~February 2020 | 31 December 2019 |
| AMT30 | ~Sept-Oct 2020 | ~Mar-April 2020 | 31 January 2020 |

**Part 1. About the Applicant**

*Name*:

*Present position and topic of your research*:

*Address, email, phone*

*Which cruise(s) are you requesting a berth for?*

**Part 2. About the role of the Early Career Researcher who will join the cruise**

There are three ways in which an Early Career Researcher (ECR) could be awarded a berth on one of the CLASS cruises. For all of these options you should discuss plans with the cruise PI before submitting this form.

a) A berth funded by the ECR's own project, to collect data and/or samples to carry out research that will enhance CLASS objectives.

b) A berth associated with a CLASS Fellowship or a PhD with a CLASS Principal Investigator

c) A berth as a volunteer for the core science team. Some, but not all, CLASS cruises need volunteers for their core team of people who take samples and process data.

*Please state which of these options you are applying for:*

I*s the berth for you? If not, please give details:*

Please attach a short CV for the participant.

*(please say if you are applying for a berth associated with a role that is yet to be filled)*

*Please provide details here if you would like to request more than one berth*

**Part 2 (Continued): If you selected Option (a) or (b), please complete this section**

*Description of proposed research/activity on board*

*How will the proposed research/activity enhance CLASS research? See* [*prj.noc.ac.uk/class/*](file:///C%3A%5CUsers%5Capre%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CINetCache%5CContent.Outlook%5C1EH22V7P%5Cprj.noc.ac.uk%5Cclass) *for the programme objectives. Have you contacted any CLASS investigators to discuss how you might collaborate or extend their work? What are the intended outcomes / outputs?*

*Preferred sampling strategy, including:*

*i) CTD sampling depths, volume of water and number of stations*

*ii) Additional sampling involving no extra shiptime: what will you sample/measure, how, when? If you have (or are applying for) resources for additional shiptime please detail them here, You must discuss your plans with the PI first.*

*iii) Any onboard ship's instruments you will request to be switched on*

*iv) Please list the data streams you will request access to (eg navigation, CTD profiles, thermosalinograph)*

*Please list the pieces of equipment that you will bring, plus the bench space and any other location requirements, e.g. use of deck incubators, constant temperature rooms, gas lines, proximity to sink, fridges, freezers, fume hoods.*

*If you are thinking of bringing your own lab container or other large pieces of equipment with associated shipping costs and onboard space implications, you must discuss this with the PI at the earliest opportunity and before completing this form.*

*Please list any chemicals or radioactive substances, and also discuss with PI first.*

**Part 2 (Continued): If you selected Option (b) please also complete this section**

*Please provide details of your internship or PhD application including the topic of your research, the name of your CLASS collaborator, the name of centre that you will be working in, and the dates of your intended internship or studentship.*

**Part 2 (Continued): If you selected Option (c) please also complete this section**

*Please provide details of your experience and skills so that we can match them with the requirements for the CLASS core science teams. This will vary from cruise to cruise so please give as much information as you can, including experience in Matlab, previous seagoing experience, experience in handling chemicals or anything you think might be relevant.*

*Do you have a preference to join a particular team or doing a certain kind of work?*

*Have you already made contact with a CLASS scientist or team?*

**Part 3: Acknowledgement of the CLASS programme**

By accepting to join a CLASS cruise you are agreeing to be part of the CLASS ‘team’ on that cruise, working towards the overall goals of the CLASS programme.

In accordance with NERC guidelines, your data collected on the cruise must be submitted to the BODC (British Oceanographic Data Centre) within a relevant timescale and the following wording must be included in all publications arising from work undertaken during CLASS cruises :

*This study is a contribution to the Climate Linked Atlantic Section Science (CLASS) programme and was supported by the UK Natural Environment Research Council National Capability funding.*

Please note that specific acknowledgement for the CLASS project that the cruise is part of will also require additional acknowledgement, and the PI will advise you of that.

Please complete the following table for data you will be collecting during the cruise with suggested timescales of deposition to BODC and release to the CLASS community and into the public domain e.g. real time, 3 months after collection, 1 yr after collection, 1 month after submission PhD. The maximum date to release to the international community is 2 years after the cruise.

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| **Determinand** | **Deposit to BODC, release to CLASS and other collaborators with PI permission** | **Release to public** |
| *Example:* CTD dissolved oxygen | 2 months | 6 month |
| *Example:* Plankton respiration | 6 months | 2 years |
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**Part 4. Requirements for Cruise Participants**

***Please read this section very carefully***

Cruise participants will need a valid passport and visas (if required), seafarers medical (ENG1 or equivalent), evidence of dental fitness, appropriate immunisations, and proof of attendance at a STCW approved personal survival course. These must be arranged and funded by the participant.

Cruise participants will be required to fund their own travel and subsistence costs for joining and leaving the ship (see **Exception** below). *(For AMT cruises, travel will be arranged by PML in which case a purchase order will be requested to cover those and other costs including freight and accommodation - contact Andy Rees apre@pml.ac.uk ).*

Cruise participants will need to contact the Principal Scientist to discuss shipping arrangements and transport costs for their equipment. They will need to pay freight costs to get their equipment to the ship or to NOC/BAS for mobilisation, and for getting their samples and equipment from the ship or from NOC/BAS.

Cruise participants are responsible for the cost and arrangements for getting their samples home if they need specialist transport (e.g. air freight or dry ice / liquid nitrogen). We can help with the logistics but participants must plan this well in advance and discuss arrangements with the Principal Scientist.

Cruise participants will need to pay for the preparation and hire of any extra equipment required e.g. trace metal clean laboratory containers, trace metal clean CTD rosette, radiochemistry container, and to cover the costs of additional ship equipment consumables e.g. specific fume hood filters, gas bottles etc. You must speak to PI about this first.

Cruise participants will need to provide their own safety equipment (hard hat, steel capped boots, overalls, lab coat, safety glasses, wet weather gear) (see **Exception** below).

Students who are bringing hazardous materials and chemicals are required to have a nominated supervisor onboard. We can help you arrange this.

Cruise participants are responsible for appropriate risk assessments, safe working practices and COSHH data sheets submitted by stated dates, and appropriate insurance for both equipment and personal cover.

***Exception****: If cruise participants come as a volunteer member of the core science team we will be able to support travel costs and provide personal safety equipment including hard hat, steel capped boots, overalls, laboratory coat, safety glasses, and wet weather gear.*

Please note that attendance at a pre-cruise planning meeting is recommended. Travel to attend would be funded by the participant, although attendance by video-conference might be possible.

*I agree to abide by the data policy and appropriately acknowledge CLASS and cruise-specific projects (e.g. AMT) in all publications arising from data collected during CLASS fieldwork.*

*I have read and understood the requirements for cruise participants. I have funding to cover my costs as set out in Part 4\*.*

Signature:

Date:

\* Please provide details here:

Please send your completed application form by email to the cruise PI (see page 1 for email addresses) and to Penny Holliday, CLASS Science Coordinator, class@noc.ac.uk.