

BAS Advanced Training Short Course

Safe and Effective Fieldwork in the Polar Regions

Provisional course dates: 22 August—5 September 2018*

Closing date for applications extended: 4pm, Monday 15 January 2018

Do you know the science theory but are unsure of how to apply it on the ice? Then this training course could be just for you! Here's a unique chance for PhD students and Early Career Researchers to gain practical skills of working safely and effectively in the polar regions. Using leading polar experts, participants will learn how to translate exciting scientific ideas into safe, achievable and effective field plans. The course consists of three days theoretical and practical work at BAS, Cambridge and five days of practical training exercises on the ice and at sea in the Arctic.

You'll be working with some of the UK's leading Scientists and Operations Managers and looking at all aspects of polar science, including:

- **Fieldwork planning in remote regions: how to develop a comprehensive, achievable field plan; legal, political and environmental obligations; risk assessment; shipping equipment; financial planning and budgeting. BAS Operations Managers will give practical examples of project planning from their extensive experience in both polar regions.**
- **Remote sensing options and use of topographical maps: use of a GPS and GIS; aerial photographs and satellite images. Members of the BAS Mapping and Geographic Information Centre (MAGIC) will demonstrate some of the latest state of the art techniques.**
- **A series of tasks and practical exercises to help you develop your skills in polar leadership, practical planning and how to work efficiently in remote regions. Can you think on your feet and lead a small team? Can you change a field programme at short notice in challenging weather conditions?**



The skills learnt in Cambridge will be transferred into a full five days of active fieldwork (weather permitting) at the NERC Arctic Station in Ny-Ålesund. You will work on the Midrelovenbreen Glacier and carry out a radar survey of ice structure. But these skills will apply equally to many types of glaciological fieldwork. Similarly, you will work on offshore biological sampling but develop general skills in small boat survey work. You'll be asked to help plan each day and take turns at leading the team.



The cost of the course will be approximately £1750 per person. Some possible funding sources are listed below.

Still interested? Then submit your application **no later than 15 January 2018** to Ali Teague—alag@bas.ac.uk confirming:

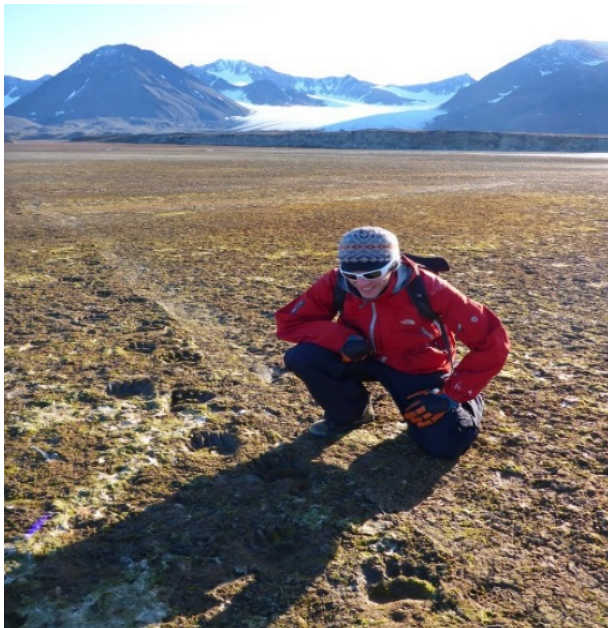
- **you are a UK-registered PhD student or ECR working in a sector aligned to NERC's Science remit (see <http://www.nerc.ac.uk/research/portfolio/remit/>)**
- **your institute will provide Arctic travel and Arctic fieldwork insurance**
- **you have a current passport valid until at least 31 January 2019**
- **you are able to attend the course between 22 August—5 September 2018**
- **you will be able to raise the costs of ~£1750.**

You must:

- complete an application form
- submit a full CV
- provide an email from your home institute supervisor or departmental manager confirming their support and that you are covered by insurance for Arctic travel and Arctic fieldwork.

This course is for PhD and ECRs registered with a UK academic institution. NERC-funded Doctoral Training Partnership students are particularly encouraged to apply, but other UK based RCUK PhD students and ECRs may also apply.

Numbers will be strictly limited to 16 participants with the Arctic field component being run with two consecutive teams of eight.



***Important. Please note:**

Course dates for the Arctic fieldwork will be confirmed in due course.

Indicative timetable:-

All participants training in Cambridge

22 – 24 Aug.

Group 1 Fieldwork 25 Aug – 1 Sept.

Group 2 Fieldwork 1 – 5 Sept.

Potential funding sources:

Antarctic Science International Bursary:

<http://www.antarcticsciencebursary.org.uk/apply-for-an-asi-bursary/>

Closing date: 16 March 2018

Trans-Antarctic Association Grants

<http://www.transantarctic.org.uk/grant-application-procedure/>

Closing date: 31 January 2018

<http://www.clivar.org/ecs/travel-grants>

<http://www.rsc.org/ScienceAndTechnology/Funding/division-travel-grants/>

<https://www.reading.ac.uk/internal/researchstaff/funding/rstaff-travelgrantsandfellowships.aspx>