

MEMBER COUNTRY: United Kingdom
National Report to SCAR For year : 2018

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Standing Scientific Groups						
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AntClim21						
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Standing Committees						
SCADM (Standing Committee on Antarctic Data Management)						
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SCATS (Standing Committee on the Antarctic Treaty System)						
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Expert Group ABI (Antarctic Biodiversity Informatics)						
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ACCE (Advisory Group on Antarctic Climate Change and the Environment)						
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ADMAP (Antarctic Digital Magnetic Anomaly Project) Expert Group						
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ASPECT (Antarctic Sea-ice processes and climate) Expert Group						
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CGG (Connecting Geophysics with Geology Action Group)						
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FRISP (Forum for Research into Ice-Shelf Processes)						
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ICED (Co-sponsored group on Integrating Climate and Ecosystem Dynamics in the Southern Ocean)						
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IPICS (International Partnership in Ice Core Sciences) Expert Group						
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Summary of scientific highlights from the past year:

SOOS

- The 1st Workshop of the SOOS West Antarctic Peninsula Regional Working Group was held at British Antarctic Survey in May 2017, over 80 participants attended from 13 different countries.

ANT-ECO

- ANT-ECO led two papers that were published in Nature and Nature Climate Change involving cross-disciplinary collaborations on Antarctic climate change impacts, both had UK authors. (Griffiths, H. J., A. J. S. Meijers, and T. J. Bracegirdle, 2017: More losers than winners in a century of future Southern Ocean seafloor warming. Nature Climate Change, 7, 749-754. Lee, J. R., B. Raymond, T. J. Bracegirdle, I. Chades, R. A. Fuller, J. D. Shaw, and A. Terauds, 2017: Climate change drives expansion of Antarctic ice-free habitat. Nature, 547, 49-54.)
- A collaboration between BAS/ SCAR brought a 3 month placement for a student to visit BAS and conduct a MPA review of the region, to be reported to CCAMLR and published in CCAMLR Science.
- UK scientists contributed to the SCAR Biology Symposium in Leuven, Belgium during May 2017.

AntClim21

- A workshop called the #GreatAntarcticClimateHack was held at Scripps Institution of Oceanography, San Diego in October 2017. This was a ground-breaking event that brought together 40 online participants with 40 on-site participants. The overall goal was to empower a multi-disciplinary cross-section of the Antarctic science community to access and use climate data. SCAR research programme AntClim21 (Antarctic Climate Change in the 21st century) provided the bulk of the funding, UK scientists participated as session chairs and speakers.

SERCE

- UK scientists co-organised a workshop on Glacial Isostatic Adjustment and Earth Deformation in September 2017 (Reykjavik, Iceland) funds were used to provide travel support to earth career researchers and researchers from countries with emerging Antarctic programs.

PAIS

- UK scientists are participating in the IODP (International Ocean Discovery Program) Expedition 374 to the Ross Sea and the UK-IODP Site Survey Investigation cruise on RRS Discovery.