



## POLAR VIEW IN THE ANTARCTIC

Polar View will deliver near real time information to assist ship navigation in Antarctic sea ice. Provision of timely and accurate data from satellite observations will contribute to safe and efficient ship operations. These services are aimed at national science programmes, tour ships and other vessels operating in the Southern Ocean. Given the very wide area of operations for vessels working in the Antarctic, satellite observations provide the best source of information about current sea ice extent, concentration and movement.

Polar View in the Antarctic will initially deliver three information services based on multiple satellite observations.

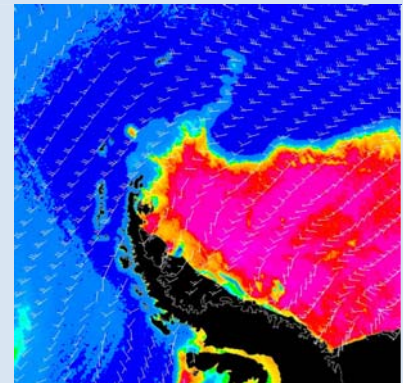


### High-Resolution Sea Ice Information

Targeted acquisitions of Envisat radar imagery will provide detailed, cloud free information about sea ice extent and distribution. To ensure accurate and timely information, delivery of this data is planned to be within only a few hours of image acquisition.

### Global Sea Ice Information

This service aims to provide information on sea ice extent, concentration and drift across the entire Southern Ocean. Drawing multiple datasets together into one service will ensure a comprehensive and up to date view of sea ice conditions. Although relatively low resolution, this information is updated on a daily basis.



### Iceberg Monitoring

The iceberg service established in the northern hemisphere has been extended to the Antarctic. This service supports safe shipping and offshore operations by providing near real-time detection of icebergs based on satellite synthetic aperture radar (SAR) imagery.

Polar View is funded by the joint European Space Agency as part of the Global Monitoring for Environment and Security (GMES) programme. The overall Polar View programme operates in the north and south, delivering a range of polar environmental information services. For further information on the Polar View programme please visit either the Antarctic network website [www.polarview.aq](http://www.polarview.aq) or the Polar View programme website [www.polarview.org](http://www.polarview.org). The British Antarctic Survey manages Polar View in the Antarctic. You can contact Andrew Fleming at [Andrew.Fleming@polarview.org](mailto:Andrew.Fleming@polarview.org) or on +44 (0)1223 221451.