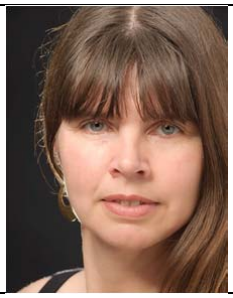

Dr Helen Snaith

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Background

Helen Snaith graduated from Durham University in 1987, with an honours degree in Geology. In 1988 she achieved a Master degree in Oceanography from Southampton University, where she went on to receive a PhD in Physical Oceanography in 1993, with a thesis entitled 'A Study of Currents in the Southern Ocean Using Satellite Altimeter and Model Data'. Since then, she has worked within the National Oceanography Centre, and its precursor institutes, and has more than 20 years experience in the realm of remote sensing oceanography, specialising in satellite altimetry.
She is currently a member of the British Oceanographic Data Centre, within the National Oceanography Centre, with a remit for development of new products and services in support of oceanographic research. She has a particular interest in data access services.
Helen is currently a participant in a number of ESA projects, including: the eSurge project (http://www.storm-surge.info), providing access to a wide range of remote sensed data in support of storm surge forecasting, including further development of coastal altimetry processing, primarily developed under COASTALT (development of COASTal ALTimetry - http://www.coastalt.eu); Cryosat Plus for Oceans, developing processors and validating Cryosat SAR products over the coeans; GlobWave (http://www.globwave.info), promoting the use of satellite-derived wave parameters, specifically the use of remote sensed data in regional validation of wave model data; GUT (GOCE user toolbox), providing validation expertise for the ESA toolbox, aiding oceanographers in use of the geodetic products from GOCE; SMOS validation activities.

Activities in education

Helen has regularly lectured within the University of Southampton School of Ocean and Earth Science, providing specialist courses in satellite altimetry and data management to a range of undergraduate and masters students. Recently, she has also presented lecture course in satellite altimetry as part of an African Operational Oceanography Workshop in Cape Town and a previous DRAGON-2 workshop.

Distinctions / Memberships

Co-I on the ESA CRYOSAT-2, SMOS, GOCE and ENVISAT missions.
Member of the Peer review committees for NEODAAS (NERC Earth Observation Data Acquisition and Analysis Service), Space Geodesy Facility and the British Isles continuous GNSS Facility.

Selected Publications

Banks, C.J., Gommenginger, C.P., Srokosz, M.A. and Snaith, H.M. (2012) Validating SMOS ocean surface salinity in the Atlantic with Argo and operational ocean model data. IEEE Transactions on Geoscience and Remote Sensing, **50**, (5), 1688-1702. (doi:10.1109/TGRS.2011.2167340).

Snaith, H.M. and Scharroo, R. (2011) Coastal challenges for altimeter data dissemination and services. In, Vignudelli, Stefano, Kostianoy, Andrey G., Cipollini, Paolo and Benveniste, Jerome (eds.) Coastal Altimetry. Berlin, DE, Springer, 247-257

Snaith, H. M. (2011). ENVISAT Coastal Altimetry Product Handbook: Issue 2, NOC.

Latham, S.E., Cramer, R., Grant, M., Kershaw, P., Lawrence, B.N., Lowry, R., Lowe, D., O'Neill, K., Miller, P., Pascoe, S., Pritchard, M., Snaith, H. and Woolf, A. (2009) The NERC DataGrid services. Philosophical Transactions of The Royal Society A, 367, (1890), 1015-1019. (doi:10.1098/rsta.2008.0237).