

One Minute Poster Presentations

NCEO/CEOI-ST Joint Science
Conference

Sheffield

24th-27th June 2014



**National Centre for
Earth Observation**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Centre for EO Instrumentation
& Space Technology



Wednesday 25th July

One minute poster talks- Wednesday 25th June 10:45-11:00

1. Biological carbon pump through the eyes of underwater and orbital spies, **Jelizaveta Ross**, Plymouth Marine Laboratory
2. Is the mixed-layer carbon pump an important component of the ocean carbon cycle? **Giorgio Dall'Olmo**, Plymouth Marine Laboratory
3. Representing fine-scale deforestation in a global terrestrial carbon cycle data-assimilation system, **Jeff Exbrayat**, University of Edinburgh
4. Carbon Cycling of croplands: A framework for the assimilation of Earth observation data, **Andrew Revill**, University of Edinburgh
5. Improving carbon cycle models using in-situ measurements and satellite observations, **Sylvain Delahaies**, University of Surrey
6. Improving the fit of a land-surface model to data with ADJULES, **Nina Raoult**, University of Exeter

One minute poster talks- Wednesday 25th June 12:45-13:00

1. NCEO Earth Observation Datasets on the CEDA Archive, **Alison Waterfall**, STFC
2. CEDA Data Services and Applications, **Alison Waterfall**, STFC
3. Assessing Methane Wetland Emissions Through the Use of Multiple Models and GOSAT Satellite Observations, **Rob Parker**, University of Leicester
4. How well can we measure the ocean's mean dynamic topography from space? **Rory Bingham**, University of Bristol
5. All-sky assimilation of selected water vapour infrared IASI channels at ECMWF: strategy and initial trials, **Stefano Migliorini**, NCEO/ECMWF
6. Greenhouse Gas Remote Sensing at University of Leicester, **Hartmut Boesch**, University of Leicester
7. NEODAAS Science Application, **Silvia Pardo**, Plymouth Marine Laboratory

One minute poster talks- Wednesday 25th June 15:15-15:30

1. Satellite altimetry in the coastal zone: technical advances and potential for future missions, **Paolo Cipollini**, National Oceanography Centre
2. Assessment of Mesoscale Features using Altimeter Constellations, **Mike Cutter**, Surrey Satellite Technology Ltd
3. SSTL-X-50 TrueColour, **Mike Cutter**, Surrey Satellite Technology Ltd
4. GeoSTARe – geosynchronous SAR hosted payload mission, **Stephen Hobbs**, Cranfield University
5. The NASA-JAXA Global Precipitation Mission: validation of precipitation products over UK, **Alessandro Battaglia**, University of Leicester

One minute poster talks- Wednesday 25th June 17:15-17:30

1. Continuing development of the Optimal Retrieval of Aerosol and Cloud (ORAC), **Adam Povey**, University of Oxford
2. Vertical distribution of volcanic SO₂ retrieved from IASI, **Elisa Carboni**, University of Oxford
3. Videowall for Scientific Data Exploration and Visualization, **Jon Blower**, University of Reading
4. Assimilation of GOCE Mean Dynamic Topography and its Errors into the NEMO Ocean Model, **Keith Haines**, NCEO University of Reading
5. Assimilation of remotely-sensed diffuse attenuation data to improve the simulation of a Marine Ecosystem Model, **Stefano Ciavatta**, Plymouth Marine Laboratory
6. Variable atmospheric and oceanic drag over Arctic sea ice, **Michel Tsamados**, CPOM University of Reading
7. Optimally filtered dynamic topography from GOCE, **Chris Hughes**, NOC Liverpool

Thursday 26th July

One minute poster talks- Thursday 26th June 10:15-10:30

1. ESA Data Assimilation Project Summary, **Zofia Stott**, Assimila Limited
2. Evaluating Coupled Ocean-atmosphere Data Assimilation products, **Oriol Kryeziu**, University of Reading
3. Impact of model error in a Convective Ensemble Prediction System, **Ross Bannister**, University of Reading
4. Estimating Correlated Observation Errors in Ensemble Filter, **Nancy Nichols**, University of Reading
5. Assimilation of Remote Sensing Data into Land Surface Models, **Jose Gomez-Dans**, UCL
6. Satellites help understand the water and energy balance of forests, **Tristan Quaife**, University of Reading
7. Using Carbon Monoxide to Understand Carbon Dioxide Sources and Sinks, **Chris Wilson**, University of Leeds
8. PyOSSE: A numerical toolkit for evaluating impacts of space-based observations, **Liang Feng**, University of Edinburgh
9. The ECMWF Coupled Data Assimilation System, **Eric de Boisseson**, ECMWF

One minute poster talks- Wednesday 25th June 12:45-13:00

1. Wavemill: Interpretation of the airborne proof-of-concept ocean surface current measurements, **Adrien Martin**, National Oceanography Centre
2. Sharing EO mission knowledge through Linked Data: the CHARMe project, **Thomas Lankester**, Airbus Defence and Space
3. GNSS-R: A cost-effective solution for Global Ocean Winds, **Guiseppe Foti**, National Oceanography Centre
4. EO Land Convoy Mission, **Rachel Bird**, Surrey Satellite Technology Ltd
5. PROMPT, **Rachel Bird**, Surrey Satellite Technology Ltd
6. GNSS-R: A cost-effective solution for Global Ocean Winds, **Guiseppe Foti**, National Oceanography Centre

One minute poster talks- Wednesday 25th June 15:15-15:30

1. Integrated air quality measurements for improvement management, **Roland Leigh**, University of Leicester
2. Greenhouse Observations of the Stratosphere and Troposphere (GHOST): a novel shortwave infrared spectrometer developed for the Global Hawk unmanned aerial vehicle, **Neil Humpage**, University of Leicester

One minute poster talks- Wednesday 25th June 17:15-17:30

1. Observed and modelled influences of synoptic meteorology on UK air quality, **Richard Pope**, University of Leeds
2. Methane Isotopologue Retrieval Simulation, **Edward Malina**, UCL Mullard Space Science Laboratory
3. An improved retrieval of tropospheric NO₂ from space over polluted regions using an earthshine reference, **Jasdeep Anand**, University of Leicester
4. RAL IASI CH₄ Retrieval - Algorithm, Updates and Data Products, **Jane Hurley**, STFC RAL Space
5. Limitations of global wetland CH₄ fluxes in land surface models, **Joe McNorton**, University of Leeds
6. Determining age and source for AERONET smoke observations, **Tadis Nikonovas**, Swansea University