NCEO and CEOI Earth Observation Conference 2019

Posters

Wednesday 04 September

Clifton Teaching and Learning Building, Lecture Room 04

No	Name	Title
1	Steve Donegan	CEDA and JASMIN Services
2	Antonio Di Noia	Greenhouse gas retrievals from GOSAT for the Copernicus Climate Change Service (C3S)
3	Dr Simon Preval	Mind the gap, please: Challenges in detecting low-altitude precipitation and clouds, and future solutions
4	Adam Povey	A new perspective on satellite data
5	Kelvin, Choi Tsz Hei (PhD supervisor: Dr Helen Brindley)	Spectrally Resolved DNI for Solar Energy Applications from Earth Observations
6	Javier Amezcua	Iterative methods in compartmental systems with unknown parameters.
7	Natalie Douglas	Assimilating MODIS white-sky and black-sky albedos for LAI and model parameter retrieval.
8	Nancy Nichols	The impact of using reconditioned correlated observation error covariance matrices in the Met Office 1D-Var system
9	Richard Allan	Global and regional evaluation of current changes in water vapour, precipitation and Earth's energy budget.
10	Anthony J Illingworth	WIVERN: A Spaceborne 94GHz Scanning Radar to Provide Global In-Cloud Winds, Precipitation and Cloud Properties
11	Dr Corwin Wright	Do the Gravity Waves Generated by Tropical Cyclones, Hurricanes and Typhoons Matter?
12	Laura Warwick	Improved retrieval of upper tropospheric water vapour by measurement of far-infrared radiance
13	Bo Dong	Global heat and water flux data sets from EO data
14	Dr.Ranjini Swaminathan	Using the ESMValTool and Observation Data Sets for Evaluating Land-Atmosphere interactions with Vegetation in Earth System Models
15	Chris Wilson	Quantifying long-term South American emissions of CH4 using a 4D-Var inverse model and remote sensing observations from GOSAT
16	David Moore	IASI observations of pyrogenic species during the 2017 Canadian boreal wildfire season
17	Antonio Giovanni Bruno	Observations and modelling of hydrogen cyanide in the atmosphere
18	Maggie Marvin	Characterizing fine particulate matter over Southeast Asia using the GEOS-Chem atmospheric chemistry transport model and Earth Observation datasets: Preliminary results
19	Alex Cornelius	"Microclimate Temperature Modelling - a Novel Tool for Integrated Pest Management Services
20	Clare Rumsey	Community Earth Observation Intelligence Service: Prototyping for Deployment at Scale
21	Dr Eoghan Darbyshire	Monitoring conflict related environmental damage in Libya using EO
22	Gomez- Dans, F Yin and P Lewis	University College London, National Centre for Earth Observation
23	Daniel Fisher	Top down particulate matter estimation for extreme fires in SE Asia
24	Lucinda King	Opportunities and Challenges of GNSS Reflectometry in Back-scatter Mode: Investigation Using TDS 1 Raw Data Collections
25	Stephen Goult	The Massive GPU cluster for Earth Observation: Supporting Artificial Intelligence research
26	Michael Perry	Validation of simultaneous retrievals of LST and LSE from ASTER
27	N. Kalaitzi, H. Boesch, R. J. Parker, Alex Webb1,2	A high-resolution modelling framework for estimating CO2 emissions of megacities from satellites
28	Giorgio Dall'Olmo, Shubha Sathyendranath	Biological Pump and Carbon Exchange Processes (BICEP)
29	Neil Humpage	Testing an automated enclosure system for a ground-based greenhouse gas remote sensing spectrometer

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30	Joao Carreiras	Maximizing synergies between optical and radar satellite data to improve discrimination of land cover classes and detection of change in Kenya
31	Dongxu Yang	New results of TanSat XCO2 retrieval
32	Wilfred Calder-Potts	The Effect of CO2 Concentration on Solar Induced Fluorescence
33	Dr Chris Banks	CryoSat-2 in the open ocean - ongoing cal/val and oceanographic studies from pole to equator
34	Adam Jagoe-Williams (Undergraduate)	Green Propellant and Mars Extraction Rover (MER)
35	Cathie Wells (Undergraduate)	The route to more sustainable flight
36	Francesca Morris (Undergraduate)	Fast Linear Retrievals with IASI
37	Kate Page (Undergraduate)	Great Walls of Fire: An investigation of trace gases released into the atmosphere from Boreal wildfires
38	Tasmin Sarkany (Undergraduate)	Exploration of Cloud Droplet Number Concentration in ORAC data
39	Sophie Hebden and Paul Fisher	ESA Climate Change Initiative
40	Emma Dodd	Space
41	Sandip Dhomse	Microphysically-consistent Volcanic Aerosol Datasets For Agung, El Chichon and Pinatubo Eruptions
42	Loreena Jaouen	Quantification of Birch and Bracken Encroachment on Heathland using Airborne Hyperspectral Imagery and Sentinel-2 Satellite Imagery
43	Betsabe de la Barreda	The use of Copernicus programme to support Peatlands restoration in Southeast Asia
44	Alison Waterfall	How to archive your NCEO data at CEDA
45	William Jay	Airborne Remote Sensing Capability available within NCEO
46	Anu Dudhia	The Reference Forward Model (RFM)
47	Petros Kalogeras	A comparison study between microphysical and dynamical properties of polar region cold cloud
48	James Brennan	Towards consistent burned area products from multiple sensors
49	Vincent Faure	Heat and salt content anomalies in Mozambique Channel Eddies using In Situ and satellite altimetry data
50	Rose Fenwick	Machine Learning for Earth and Space Observation

Exhibitors

NCEO	National Centre for Earth Observation
CEDA	The Centre for Environmental Data Analysis (CEDA) supports environmental scientists via the provision of two key services: * JASMIN – a data intensive supercomputer * CEDA Archive – a long term data archive for atmosphere and earth observation Come and chat to the team about environmental data, big data analysis, training materials and much more!
NEODAAS	The NERC Earth Observation Data Acquisition and Analysis Service (NEODAAS)
FSF	The Field Spectroscopy Facility
RAL Space	RAL Space is an integral part of the Science and Technology Facilities Council (STFC). It is the UK national laboratory set-up to advance the exploration of space and the environment. With over 50 years of experience in space programme, RAL Space is unique in the UK in its positioning between industry and academia. Its strength lies in the broad mix of its highly trained staff, and activities from research, development and facilities, to data curation and analysis, programme management, and the provision of strategic advice to external partners. RAL Space scientists contribute to and underpin UK and international programmes in space science, Earth observation, ground-based astronomy and other non-space sectors.