

ESA CCI Research Fellowship Update

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- ESA CCI Research Fellowships are open to early career scientists in ESA member states pursuing a scientific career in Earth Observation, Earth System or Climate Science
- 2-year co-funded fellowship
- Exploiting Essential Climate Variable (ECV) products from CCI for improved understanding of climate change.
- Examining Cross-ECV consistency and multiple ECV use (those under the CCI Programme in particular).
- Enhancing interactions between CCI members and other laboratories/universities involved in climate research activities.

Goal of the ESA CCI Research Fellowship:

Undertake scientific research with ESA CCI data
to demonstrate the value of the ESA CCI programme

11 selected Research Fellows:

Stephen Chuter (UK) – Fingerprinting approach for regional sea level budgets

Rebecca Dell (UK) – Synoptic controls on surface meltwater across Antarctic ice shelves

Nina Raoult (FR) – Drydown Evaluation: SSM and LST

Giulia Bonino (IT) – Marine heat wave events

Christin Abel (DK) – AridLand

Alexandra Runge (DE) – Permafrost Vulnerability

Elisa Calamita (CH) – Climate change related ecosystem shifts in Lakes

Agostino Meroni (IT) – Global and local atmospheric response to the underlying coupled ocean

Bennet Juhls (DE) – Organic Matter runoff and its fate in a warming Arctic

Richard Pope (UK) – Tropospheric Ozone and Climate Interactions

Nicolas Labrière (FR) – Carbon emissions and uptake from vegetation change in the tropics

More info on CCI Research Fellowships at <https://climate.esa.int/en/esa-climate/esa-cci/fellowships/>

Bold indicates ongoing projects

7 selected Research Fellows:

Kristoffer Aalstad (NO) – Probabilistic Reanalysis of the Terrestrial Cryosphere by History-matching using Evidence from Satellites (PATCHES)

Esteban Alonso Gonzalez (ES) – SnowHotspots: Assessing climate change impacts in the Southern European snow hydrological hotspots

Mickaël Lalande (CA) – Snow cover heterogeneity and its impact on the Climate and Carbon cycle of Arctic regions (SnowC2)

Baptiste Vandecrux (DK) – Water Under Snow Cover: multi-frequency microwave observations of liquid water within Greenland ice sheet snow cover and its relation to runoff and supraglacial lakes

Bethan Harris (UK) – Subseasonal-to-seasonal drought and heatwave evolution via land-atmosphere interactions (SUBDROUGHT)

Francisco José Cuesta-Valero (DE) – Ground Heat Flux Estimates from Earth Observations and Hybrid Artificial Neural Networks (AI4GHEObs)

Luisa von Albedyll (DE) – UnrAveling the thermodynamic and dynamic contributions to sea ice thickness change using multiple climate data records and climate models (ACCURATE)

Present this week at ESA CCI Colocation 13