

Date: 22 and 23 April 2024

Venue: UoS, UK and *Virtual*Note: All times are in UK time**Monday 22 April 2024 (13.30 – 17.30 (UK), 08.30 – 12.30 (US EDT))**

|                       |   |   |
|-----------------------|---|---|
| 13.00 – 13.30         | <b>Registration</b>   |   |
| 13.30 – 13.40         | Welcome addresses   | Dr Craig Donlon, ESA                          |
| 13.40 – 15.00         | <b><i>Experiences of radiometer operators</i></b>                                 |   |
|                       | ISAR UK   | Dr Werenfrid Wimmer, UoS, UK                  |
|                       | M-AERI  | Prof Peter Minnett, University of Miami, USA  |
|                       | TBC   | Dr Andy Jessup, University of Washington, USA |
|                       | SISTeR  | Dr Tim Nightingale, STFC, UK                  |
| 15.00 – 16.00         | <b><i>Ensuring High-Accuracy Measurements</i></b>                                 |   |
|                       | CEOS TIR Radiometer Intercomparison   | Yoshiro Yamada, NPL, UK                       |
|                       | The TRUSTED Project   | Dr Marc Lucas, CLS, France                    |
|                       | ASTeRN: A next generation in-situ radiometer                                      | Dr Dave Smith, STFC, UK                       |
| Coffee break (15 min) |   |   |
| 16.15 – 16.55         | <b><i>SST Data in Practice</i></b>  |   |
|                       | M-AERI validation of SLSTR, MODIS, VIIRS, ABI, and Reanalysis SST <sub>skin</sub> | Prof Peter Minnett, University of Miami, USA  |
|                       | Atmosphere-Ocean CO <sub>2</sub> fluxes   | Prof Jamie Shutler, PML, UK                   |
| 16.55 – 17.15         | <b><i>The ISFRN Network</i></b>   |   |
|                       | Status of the ISFRN and the ships4sst data archive                                | Dr Werenfrid Wimmer, UoS, UK                  |
| 17.15                 | Closing remarks   | Dr Craig Donlon, ESA                          |
| 17.30                 | <b>Close of meeting</b>   |   |
| 17.30                 | <b>Post workshop drinks</b>   |   |
| 19.00                 | <b>Dinner, TBA</b>  |   |

**Tuesday 23 April (08.30 – 12.45 (UK), 15.30 – 19.45 (Beijing), 17.30 – 21.45 (Melbourne))**

|                       |  |   |
|-----------------------|--|---|
| 08.30 – 09.00         | <b>Registration and coffee</b>   |   |
| 09.00 – 09.10         | Welcome Address  | Dr Craig Donlon, ESA                                      |
| 09.10 – 10.10         | <b><i>Experiences of radiometer operators</i></b>                      |   |
|                       | ISAR Australia   | Dr Nicole Morgan / Dr Helen Beggs, CSIRO / BOM, Australia |
|                       | ISAR China   | Prof. Lei Guan, Oceans University China, Qingdao          |
|                       | ISAR Denmark   | Dr Jacob Høyer / Dr Guisella Gacitúa, DMI, Denmark        |
| 10.10 – 10.50         | <b><i>SST Data in Practice</i></b>                                     |   |
|                       | TBC  | TBC   |
|                       | SST Analysis and Trends  | Prof Kyung-Ae, Seoul National University, Korea           |
| Coffee break (15 min) |  |   |
| 11.05 – 11.25         | <b><i>Radiometer performance and uncertainties</i></b>                 |   |
|                       | Radiometer uncertainty models  | Dr Werenfrid Wimmer, UoS, UK                              |
| 11.25 – 12.25         | <b><i>Validation of satellite SST and in situ SST measurements</i></b> |   |
|                       | Using ISAR to validate SLSTR data                                      | Dr Werenfrid Wimmer, UoS, UK                              |
|                       | Comparison with other <i>in situ</i> instruments                       | Dr Gary Corlett, Eumetsat, Germany                        |
|                       | Validation of the ESA SST CCI data using the Met Office SIRDS dataset  | Dr Owen Embury, UoR, UK                                   |
| 12.25                 | Closing remarks  | Dr Craig Donlon, ESA                                      |
| 12.45                 | <b>Close of meeting and lunch</b>                                      |   |