

Thursday 3 April 2025, 13.00 – 16.30 (UK), 08.00 – 12.30 (US EDT)

13.00 – 13.10	Session 1: Welcome address	Dr Craig Donlon, ESA
13.10 – 14.10	Session 2: Experiences of radiometer operators	
	ISAR UK	Dr Werenfrid Wimmer, UoS, UK
	Update on the M-AERI deployments.	Prof Peter Minnett, UoM, USA
	Advances in Measuring Ocean Surface Skin Temperature using the InfraRed Instrument for Sea Surface Temperature (IRISS)	Dr Andy Jessup, University of Washington, USA
14.10– 14.30	Session 3: The ISFRN network	
	Status of the ISFRN and the ships4sst data archive	Dr Werenfrid Wimmer, UoS, UK
Coffee break (15 min)		
14.45 – 15.25	Session 4: Ensuring high-accuracy measurements	
	ASTeRN: A next generation in-situ radiometer	Dr Dave Smith, STFC, UK
	The TRUSTED Project	Dr Marc Lucas, CLS, France
15.25 – 16.25	Session 5: SST Data in practice	
	The new evidence of the importance of sea surface temperature measurements for constraining global carbon budgets	Prof Jamie Shutler, University of Exeter, UK
	Response of Ocean Skin Temperature to Rain: Observations and Implications for Parameterization of Rain-Induced Fluxes	Carson Witte, Columbia University, NY, USA
	Mid and Thermal Infrared Validation using the JPL Radiometer Network with a focus on the Lake Tahoe and Salton Sea Sites	Dr Simon Hook, JPL, USA
16.25 – 16.30	Closing remarks	Dr Craig Donlon, ESA

Friday 4 April 2025, 9.00 – 12.00 (UK), 17.00- 20.00 (Korea KST), 19:00 – 22.00 (Melbourne)

09.00 – 09.10	Welcome Address	Dr Craig Donlon, ESA
09.10 – 9.50	Session 6: Experiences of radiometer operators	
	Advancing Sea Surface Temperature Validation: Insights from In-Situ Observations in the Nordic Sea and Arctic	Dr Guisella Gacitúa, DMI, Denmark
	SISTeR	Dr Tim Nightingale, STFC, UK
9.50 – 10.10	Session 7: SST Data in practice	
	ISAR Korea: Observations of Skin-Bulk SSTs and Air-Sea Interactions in the Northwest Pacific during Pronounced Marine Heat Wave Events	Prof Kyung-Ae, Seoul National University, Korea
10.10 – 10.30	Session 8: Radiometer performance and uncertainties	
	Radiometer uncertainty models	Dr Werenfrid Wimmer, UoS, UK
Coffee break (15 min)		
10.45 – 11.45	Session 9: Validation of satellite SST and in situ SST measurements	
	Sentinel-3 SLSTR SST Validation using Fiducial Reference Measurements (FRM).	Dr Werenfrid Wimmer, UoS, UK
	Comparison (of shipborne radiometers) with other <i>in situ</i> instruments	Dr Gary Corlett, Eumetsat, Germany
	Status and evolution of EUMETSAT SST/IST Multi-Mission Matchup Database (MMDB)	Dr Igor Tomazic, Eumetsat, Germany
11.45 – 12.00	Closing remarks	Dr Craig Donlon, ESA