



DUE GlobTemperature User Consultation Meeting #2 Programme

Wednesday 25th June

Session 1: GlobTemperature Overview

Chair: John Remedios

14:00 Welcome and review of outcomes from UCM #1

[J. Remedios, D. Ghent – U. Leicester, UK]

Presentations by core Project Partners on GlobTemperature activities

14:15 Overview of Project

[D. Ghent – U. Leicester, UK; I. Trigo - IPMA, Portugal; F. Göttsche – KIT, Germany]

- Role of the ILSTE-WG
- Website and Data Portal
- Product Development
- Validation and Intercomparison

14:35 Results from the User Requirements Survey

[C. Bulgin – U. Reading, UK]

14:55 Discussion

15:15 Coffee break

Session 2: User Case Studies

Chair: Frank Göttsche

Presentations by User Case Study Partners on proposed activities

15:45 Surface temperature reconstruction for climate

[E. Good – Met Office Hadley Centre, UK]

16:00 Estimation of evapotranspiration

[C. Prigent- Estellus, France]

16:15 Driving of sea-ice state in a coupled ocean model

[J. Hoyer – DMI, Denmark]

16:30 Soil moisture assessment

[H. Nieto – U. Copenhagen, Denmark]

16:45 Assimilation of LST in NWP

[B. Candy – Met Office, UK]

17:00 – 18:30 Poster session

20:30 Non-hosted dinner

Thursday 26th June

Session 3: User Applications

Chairs: Darren Ghent, Isabel Trigo

Presentations by users of LST data

09:00 Lake surface water temperatures of European Alpine lakes (1989–2013) as observed with the Advanced Very High Resolution Radiometer (AVHRR)

[M. Riffler – University of Bern, Switzerland]

09:15 Application of remote sensing data in global evapotranspiration estimate

[X. Chen – ITC, University of Twente, Netherlands]

09:30 Large-scale monitoring of ground thermal conditions in permafrost areas using satellite-derived LST

[S. Westermann – University of Oslo, Norway]

09:45 Surface Temperature Downscaling of SEVIRI time series using a Genetic Particle Smoother

[R. Mechri - CNES / DGA / CEA – LSCE, France]

10:00 Thermal analysis of volcanoes using IR satellite data: from surface temperature to hot spot and lava flow detection

[M. Musacchio - INGV (Istituto Nazionale di Geofisica e Vulcanologia), Italy]

10:15 Evaluation of land surface temperature patterns in the urban agglomeration of Krakow (Poland) using different satellite data and GIS

[J. Walawender – Inst. of Meteorology and Water Management (IMGW-PIB), Poland]

10:30 Validation of Land Surface Temperature Products with Ground Data Measured along Transects and by an Autonomous System Developed for Permanent Stations in Eastern Spain

[R. Niclos – University of Valencia, Spain]

10:45 Discussion

11:00 Coffee break

Session 4: User Feedback and International Partnerships

Chairs: Chris Merchant, Claire Bulgin

11:30 Discussion of User Requirements and Recommendations

12:30 Lunch

Chair: John Remedios

13:15 Discussion on International Initiatives and links for LST and Emissivity

Session 5: International LST & Emissivity Working Group (ILSTE-WG) Meeting

Chairs: ILSTE-WG Steering Committee

14:00 – 16:00 *ILSTE-WG meeting*

- Introduction
- Terms of Reference
- Harmonised formats
- How the group can support users and respond to their requests
- Working towards an Essential Climate Variable for LST and Emissivity