



CORE-CLIMAX Capacity Building Workshop

Date: 19 – 20 March 2014

Venue: Finish Meteorological Institute (FMI), Helsinki, Finland

Workshop Programme

Day 1, Wednesday 19 March

08:00 – 08:45 hrs: Registration

08:45 – 09:00 hrs: Opening and welcome by Prof. Petteri Taalas, Director General FMI

09:00 – 09:05 hrs: Opening words from organizers Bob Su and Hilppa Gregow

Chair: Dr. Hilppa Gregow, Head of Unit Climate Service Centre FMI

User friendly products for climate services

09:05 – 10:00 hrs: Lecture and discussion “Requirements on data sets for climate research and climate services - survey results”, Dr. Kirsti Jylhä / M.Sc. Hanna Mäkelä, FMI

10:00 – 10:30 hrs: Case study “Combining reanalysis, in situ and impact data in a storm-related climate service”, Pauli Jokinen, FMI

10:30 – 11:00 hrs: Coffeebreak

11:00 – 11:30 hrs: Case study “Analyzing deep low pressures with combined in situ and model-based datasets for climate change service”, Matti Kämäräinen, FMI

11:30 – 12:00 hrs: Case study “Lightning location data usage in operational weather monitoring and climatological studies”, Dr. Antti Mäkelä, FMI

12:00 – 12:30 hrs: Case study “Gridded historical temperature datasets and time series analysis in climate change detection”, Dr. Santtu Mikkonen, UEF / M.Sc. Hanna Mäkelä, FMI

12:30 – 14:00 hrs: Lunch break

Reanalyses products and data assimilation for Climate Services

14:00 – 15:00 hrs: Lecture, Dr. David Tan, ECMWF.

15:00 – 15:30 hrs: Introduction practical, Dr. David Tan, ECMWF.

15:30 – 16:00 hrs: Coffeebreak

16:00 – 17:30 hrs: Practical/group-work, Dr. David Tan, ECMWF.

18:00 – 20:00 hrs: Dinner

Day 2, Thursday 20 March

Chair: Prof. Dr. Zhongbo Su, Head of Water Resources Dept., ITC, University of Twente

Suitability of climate datasets for applications

- 09:00 – 10:00 hrs: Lecture “Which data are suitable for your application? - Support tools & info to make choices”, Dr. Viju John, EUMETSAT.
- 10:00 – 10:30 hrs: Introduction practical “Which data are suitable for your application? - Support tools & info to make choices”, Dr. Viju John, EUMETSAT.
- 10:30 – 11:00 hrs: Coffeebreak
- 11:00 – 11:30 hrs: Practical “Which data are suitable for your application? - Support tools & info to make choices”, Dr. Viju John, EUMETSAT.
- 11:30 – 12:00 hrs: Lecture/practical “Introduction to CM SAF climate datasets and their ordering system, Dr. Aku Riihelä & Dr. Terhikki Manninen, FMI
- 12:00 – 12:30 hrs: Lecture/practical “Introduction to Copernicus and ESA climate datasets”, Dr. Kari Luojus, FMI
- 12:30 – 14:00 hrs: Lunch break

Validation of satellite products

- 14:00 – 14:45 hrs: Lecture “Validation principles of land products”, Dr. Jean-Christophe Calvet, Meteo-France
- 14:45 – 15:30 hrs: Lecture/practical “Some case studies in validation strategies”, Mr. Tanis Cemal Melih FMI
- 15:30 – 16:00 hrs: Coffeebreak
- 16:00 – 16:45 hrs: Lecture/practical “Challenges of surface albedo validation, Examples of European products: GlobAlbedo (ESA-CCI) and CLARA-A1-SAL (CM-SAF)”, Dr. Terhikki Manninen, Dr. Aku Riihelä, FMI
- 16:45 – 17:30 hrs: Lecture/practical “Aerosol-CCI products, validation practices and results”, Dr. Gerrit de Leeuw, Dr. Larisa Sogacheva, FMI
- 17:30 – 18:00 hrs: Wrap-up and final discussion, Prof Z. Su, ITC-UT