



4TH SALGEE Training Workshop 2015

MSG LAND SURFACE APPLICATIONS: DROUGHT AND ENVIRONMENTAL RESPONSE

Matera (Italy), Hotel S. Domenico al Piano, 1 - 3 September 2015

PROGRAM

31 August 2015

20:00

Welcome Icebreaker

1 September 2015

Topic 1

EUMETSAT activities in Land Surface Analyses

Chair: Jose Prieto

09:00

09:30

Registration

09:30

09:40

Workshop opening

Nicola Pergola, CNR - IMAA Italy

09:40

10:00

CNR-IMAA satellite activities for Land applications

Nicola Pergola, CNR - IMAA Italy

10:00

10:15

LSA SAF Programme: Status and perspectives for further developments CDOP-3

Luis Pessanha, LSA SAF Portugal

10:15

10:30

SALGEE Project for Land Surface Analyses

Julia Stoyanova, NIMH Bulgaria

10:30

11:00

Break

Topic 2

Drought monitoring from space

2.1. Satellite data and processing

Chair: Luis Pessanha and Julia Stoyanova

11:00

11:30

Short overview of operational LSA SA products: status and developments

Luis Pessanha, LSA SAF Portugal

11:30	12:00	Towards a harmonized LST product. IR and passive microwave techniques for retrieval of LST Sofia Ermida, Univ. Lisbon, Portugal
12:00	12:30	Kalman filter for Simultaneous Retrieval of Emissivity and LST from SEVIRI data Carmine Serio, Univ. Basilicata, Italy
12:30	14:00	Lunch break
14:00	14:30	DUE GlobTemperature Project. Available LST datasets Darren Ghent, Univ. Leicester, UK / Sofia Ermida, Univ. Lisbon, Portugal
14:30	15:00	Integration of Land SAF Products in the TMet Software Package Erdem Erdy, TSMS Turkey

2.2. Drought related applications

Chair: Julia Stoyanova and Luis Pessanha

15:00	15:30	Meteosat information on soil dryness and vegetation evolution Jose Prieto, EUMETSAT
15:30	16:00	Coffee break
16:00	16:30	Soil moisture monitoring by passive microwave sensors Teodosio Lacava, CNR - IMAA, Italy
16:30	17:00	Warning system for agricultural drought assessment: Meteorological approach based on modeling, in situ observations and MSG information Julia Stoyanova, NIMH Bulgaria
17:00	17:20	Operational drought risk assessment using satellite observations and in situ measurements Elena Tarnavsky, Univ. Reading, UK
17:20	18:00	Discussion/ Collaboration perspectives Chair: Jose Prieto, Luis Pessanha, Julia Stoyanova

2 September 2015

Topic 3

Fires-Climate-Ecosystem Interactions

Chair: Nicola Pergola and Valerio Tramutoli

3.1. Fire detection and monitoring

09:00	09:30	Advances on active fire detection by using MSG-SEVIRI Valerio Tramutoli, Univ. Basilicata, Italy
09:30	10:00	Application of new VIIRS active fire data for direct mapping of fire-affected areas and seeding of existing burned area mapping products Wilfrid Schroeder, Univ. Maryland / NOAA, USA
10:00	10:30	LSA SAF Fire Radiative Power Product (capabilities, validation) Martin Wooster, King's College, UK
10:30	11:00	Break
11:00	11:30	Application of satellite active fire data as input to a cutting- edge fire behavior modeling framework Wilfrid Schroeder, Univ. Maryland / NOAA, USA
11:30	12:00	The Fire Risk Mapping (FRM) product of the LSA SAF: its application to forest management Carlos DaCamara/Sofia Ermida, Univ. Lisbon, Portugal
12:00	12:30	Regional scale fire risk assessment and its combined use with LSA SAF Fire Risk Mapping (FRM) product Julia Stoyanova/Mariana Popova, NIMH Bulgaria

12:30 14:00 **Lunch break**

3.2. Ecosystems – Environment – Sustainability

Chair: Martin Wooster and Wilfrid Schroeder

14:00	14:40	LSA SAF Fire Radiative Power Product Application Martin Wooster, King's College, UK
14:40	15:10	LSA SAF products in support to regional climatic applications: Ecosystem Functional Types identification, bioclimate and biomass burning effects

		Julia Stoyanova, NIMH Bulgaria
15:10	15:40	The MODIS GPP/NPP products: assessing the land CO2 sink from space Ana Bastos, LSCE - CEA, France
15:40	16:10	Coffee break
16:10	16:40	Studying vegetation dynamics under disturbance using MODIS products Ana Bastos, LSCE - CEA, France
16:40	17:10	Land degradation and desertification processes using polar orbiting satellites Tiziana Simoniello, CNR - IMAA, Italy
17:10	17:30	Sentinel-3 Mission Martin Wooster, King's College, UK / Darren Ghent, Univ. Leicester, UK
17:30	18:00	Discussion/ Collaboration perspectives Chair: Jose Prieto, Luis Pesanha, Julia Stoyanova
20:30		Social event: Workshop dinner

3 September 2015

Topic 4

Regional Applications

Chair: Jose Prieto, Luis Pesanha, Julia Stoyanova

Reports of NMSs participants

09:00	10:00	- Italy, Univ. Basilicata
		- Bulgaria, NIMH
		- Turkey, TSMS
		- Moldova, NIMH

10:00 10:30 **Break**

10:30 12:30 General Discussion