

The EUMETSAT
Network of
Satellite Application
Facilities



Land Surface Analysis (LSA) On Satellite Application Facilities (SAF)

4th User Workshop

Météo France

Toulouse, France

15-17 November, 2010



<u>15th November</u>		
08:30	Registration	
09:30	Opening including general information	Jean-Louis Roujean
09:35	MF welcome	Philippe Bougeault
09:55	EUMETSAT welcome	Lothar Schueller
10:15	EUMETSAT's Network of Satellite Application Facilities	Lothar Schueller
10:40	Overview of the Land SAF	Pedro Viterbo
11:05	Coffee Break	
	Session 1 - FOREST & VEGETATION Chairman: E.Bartholomé / F.Camacho	
11:30	Status of the Land Surface Product Development for U.S. GOES-R Satellite Mission	Y. Yunyue
11:55	Capability of SEVIRI/MSG for large-scale monitoring of vegetation condition	J. Garcia-Haro
12:20	LAI remote sensing products and simulated LAI: an inter-comparison over France	S. Lafont
12:45	Lunch Break	
14:00	The operational MSG/SEVIRI fire radiative power products generated at the Land-SAF	G. Roberts
14:25	Global Fire Emission Monitoring with Fire Radiative Power in the MACC Project	J. Kaiser
14:50	Monitoring of gas flares with MSG active fire data - A new application of the Land SAF FRP Pixel product	K. Peterson
15:15	Use of satellite land surface products for assessment of vegetation fire conditions over Bulgaria	J. Stoyanova
15:40	Tea Break	

Session 2 - SURFACE CARBON & WATER FLUXES Chairman: M.Anderson / F.Bouyssel		
16:10	Remote sensing derived evapotranspiration and comparisons to observations and models over selected hydrological basins.	A. Arboleda
16:35	Mapping Daily Evapotranspiration at Field to Global Scales using Geostationary and Polar Orbiting Satellite Imagery	M. Anderson
17:00	Monitoring soil and vegetation fluxes of carbon and water at the global scale: towards a GMES service	J.-C. Calvet
17:25	Regional evapotranspiration based on MSG-SEVIRI and polar orbiting satellite data	I. Sandholt
17:50	First results of the LAND-SAF project on reference crop evapotranspiration	H. De Bruin
18:15	Poster Session	
19 :00	Cocktail	



<u>16th November</u>		
	Session 3 - APPLICATION OVER AFRICAN CONTINENT	
	Chairman : I.Fofana / A.Boone	
09:30	The AMESD Drought Monitoring System	J. Malherbe
09:55	Opportunité de l'utilisation des données MSG pour un développement durable en Côte d'Ivoire	I. Fofana
10:20	ECOCLIMAP-II/ Africa : a twofold database at 1 km resolution of ecosystems and land surface parameters for meteorological applications	A. Kaptué
10:45	Coffee Break	
11:10	ALMIP-II	A. Boone
11:35	Assessing the use of LSA SAF VEGA data for environmental monitoring in Africa: Fractional cover and natural vegetation condition assessment	E. Bartholomé
12:00	Comparison of MSG-SEVIRI and SPOT-VEGETATION data for Fraction of Vegetation Cover (FVC) monitoring over Africa	B. Lacaze
12:25	Detecting canopy water stress using shortwave infrared geostationary MSG-SEVIRI data	R. Fensholt
12:50	Lunch Break	
	Session 4 - SURFACE RADIATION BUDGET	
	Chairman : C. Schaaf / I.Trigo	
14:00	Land Surface Temperature, Emissivity and Long-wave Downward Fluxes from MSG Observations: Current Status and way forward	I. Trigo
14:25	Assessment of Met Office Forecasting Models Using SEVIRI Land Surface Temperatures	J. Edwards

14:50	Assimilation of low-level SEVIRI IR observations over land to better constrain atmospheric analyses in meso scale models	S. Guedj
15:15	Snow cover mapping using Metop/AVHRR data	N. Siljamo
15:40	Tea Break	
16:10	Operational derivation of surface albedo and downwelling short-wave radiation based on MSG observations	J.L. Roujean
16:35	MODIS Albedo and Reflectance Anisotropy: The First Decade	C. Schaaf
17:00	ESA GlobAlbedo - Preliminary products	G. López-Saldaña
17:25	Assimilation of LandSAF albedo product in limited area NWP model	J. Cedilnik
17:50	Poster Session (follow-on)	
18:30	Adjourn	
20:00	Group Dinner	



<i>17th November</i>		
Working group discussions; drafting of recommendations / user requirements		
<i>09:30</i>	Introduction to Working Groups	Pedro Viterbo
<i>09:45</i>	Working Groups Discussion (WGD)	
<i>10:45</i>	<i>Coffee Break</i>	
<i>11:15</i>	Working Groups Discussion (WGD)	
<i>12:30</i>	<i>Lunch Break</i>	
<i>13:45</i>	<i>Plenary session / Report on WGD</i>	
<i>16:00</i>	<i>Adjourn</i>	



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Started on 15th November and posted during the whole meeting

Poster Presentations

P_1	LAND SAF - Satellite Application Facility on Land Surface Analysis	Land-SAF Team
P_2	A Multi-Sensor Approach to Land Surface Temperature	s. Freitas
P_3	Assimilation of CYCLOPES Leaf Area Index into the ISBA-A-gs land surface model over France	A. Barbu
P_4	Daily NDVI Product Derived from MSG SEVIRI	A.G. Erturk
P_5	Estimation of downward longwave radiation flux LW using MSG/SEVIRI data	T. Zapadka
P_6	Land Surface Temperature - Towards the Ideal Dataset	E. Comyn-Platt
P_7	Detecting drought related stress with field spectroradiometric measurements of natural grass savanna	S. Huber
P_8	Assessment of Land-SAF FVC and LAI products over Africa	F. Camacho
P_9	Application of LSA SAF vegetation parameters to improve the spatial and temporal resolution of ECOCLIMAP over Africa	J. García-Haro
P_10	Earth radiative fluxes evaluation at a regional scale	V. Telesca
P_11	Evaluating the effectiveness of producing BRDF models from SEVIRI surface reflectance data.	S. Proud
P_12	Land cover and Land use Monitoring using Remote Sensing and GIS from parts of south India: Implications to Natural resources assessment	N. Jayaraju
P_13	Directional Effects on Land Surface Temperature Estimation from MSG-SEVIRI	M. Rasmussen
P_14	Land surface albedo and down-welling short-wave radiation retrievals: toward merged products between MSG geostationary satellite and the polar system Metop	D. Carrer
P_15	Influence of algorithm and angular configuration on LAI, FVC and FAPAR estimates from SEVIRI/Meteosat	A. Verger

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Poster Presentations

P_16	ECOCLIMAP-II / Europe : A Characterization of land surface parameters for Meteorological and Climate models based on SPOT/VEGETATION	S. Faroux
P_17	Adaptation of LSA SAF products for crop monitoring	J.Bojanowski
P_18	Canopy resistance retrieval using Land SAF LST and Net Radiation in view to the LSA- SAF ET improvement in drought areas	G. Sepulcre
P_19	(TBC)	P. Przeniczny
P_20	CEOS Working Group on Calibration and Validation: Land Product Validation Subgroup	C. Schaaf
P_21	Validation results for Land-Surface-Temperature	F. Olesen
P_22	Characterisation of permanent LST validation sites with field surveys and an unmanned aerial vehicle (UAV)	F. Olesen
P_23	Geoland2 - Towards an operational GMES Land Monitoring Core Service: Monitoring the Land Surface at global scale	R. Lacaze
P_24	Using the MSG Fire Radiative Power PIXEL Product to monitor gas flaring	M. Pajek
P_25	Remote Sensing of the Annual Heat Storage Change in Lake Tana, Ethiopia	B. Tesfaye
P_26	METEOSAT Second Generation Data for Assessment of Daily Vegetation Condition Status over the Brazilian Amazon	H. Barbosa



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