

MONDAY 9 NOVEMBER 2009

0900-0920 *Registration and coffee*

0920-0925 *Erland Källén (ECMWF) Welcome and Opening*

SESSION 1: LAND SURFACE MODELLING AND APPLICATIONS

0930-1000 *Gianpaolo Balsamo (ECMWF) Land surface modelling in NWP at ECMWF*

1005-1035 *Philippe Peylin and Philippe Ciais (LSCE, France) Land carbon and vegetation models at LSCE*

1040-1100 *Tea/coffee*

1100-1125 *Poster session I: Modelling*

Eleanor Blyth (CEH) Benchmarking the JULES model for assessment of performance at the global scale

Imtiaz Dharssi (MetOffice) New soil physical properties implemented in the Unified Model

Emmanuel Dutra (Univ Lisbon) Snow modelling in EC-EARTH

Michael Ek (NCEP/EMC) Land-Hydrology Modeling at NCEP

Young-Hee Lee (KNU Korea) The improvement of phenology module for summer green tree in CLM3.5-DGVM using MODIS LAI

Aude Lemonsu (Météo-France) TEB : an urban canopy model for meteorological applications and weather forecasting

Nicola Loggisci (ARPA) Soil freezing in a SVAT

Gabriel Rooney (MetOffice) Coupling the lake model FLAKE to CLM

Anne Verhoef (Univ Reading) Land surface - atmosphere coupling strength in GCMs: the impact of soil physics

Jean-Luc Widlowsky (JRC) Radiative transfer model intercomparison for PILPS

1125-1155 *Aaron Boone (Météo-France) The ALMIP experience: implications for land - atmosphere coupled systems*

1200-1230 *Richard Essery (Univ Edinburgh) The SNOW-MIP2 experience: implications for NWP snow schemes*

1230-1330 *Lunch*

9-12 November 2009

- 1330-1400 *Florian Pappenberger (ECMWF)River rooting models to support NWP verification*
- 1405-1435 *David Gochis (NCAR)The role of terrestrial routing processes and shallow groundwater in land-atmosphere coupling*
- 1440-1510 *Sue Grimmond (King's College)The PILPS-Urban experience: implications for introducing a urban tile in NWP models*
- 1515-1545 *Martin Best (MetOffice)Land surface models benchmarking: offline validation and verification in NWP*
- 1545-1605 *Tea/coffee*

SESSION 2: LAND SURFACE DATA ASSIMILATION

- 1605-1635 *Patricia de Rosnay (ECMWF)Advances in land data assimilation at ECMWF*
- 1640-1710 *Jean-François Mahfouf (Météo-France) Advances in land data assimilation at Météo-France*
- 1715-1745 *Andrew Slater (NSIDC)Snow data assimilation system with Kalman filtering*
- 1745-1830 *Cocktail party*

TUESDAY 10 NOVEMBER 2009

- 0910-0940 *Rolf Reichle (NASA)Advances in land data assimilation at NASA*
- 0945-1015 *Stéphane Bélair (CMC)Advances in land data assimilation at Environment Canada*
- 1015-1035 *Tea/coffee*
- 1035-1100 *Poster session II – Data Assimilation and Systems*
- Filipe Aires (CNRS/IPSL).....A global analysis of the soil moisture using model, multi-spectral satellite data, and in situ observations*
- Rasmus Houborg (NASA GSFC).....The Global Land Data Assimilation System*
- Carlos Jimenez (LSCE)A comparison of land surface temperatures to observations*
- Sujay Kumar (NASA GSFC).....Use of inverse modeling and posterior inference tools for land surface modeling and data assimilation within the NASA Land Information System (LIS)*
- Sujay Kumar (NASA GSFC).....Role of subsurface soil moisture physics in the assimilation of surface soil moisture observations*

9-12 November 2009

Joaquín Muñoz Sabater (ECMWF)ECMWF contribution to SMOS

*Catherine Ottlé and C. Bacour (LSCE) Coupled assimilation of in situ flux
measurements and satellite FAPAR time series
within the Orchidee biosphere model:
constraints and potentials*

*Sam Pullen (Met Office)Using satellite-derived snow cover data to
implement a snow analysis in the Met Office
global NWP model*

*Marc Ridler (U Copenhagen).....Data Assimilation in a soil-vegetation-
atmosphere transfer model using a filtering
framework*

*Joe Santanello (NASA GSFC):Land-atmosphere coupling studies using the LIS-
WRF system*

*Linying Tong and Stephane Belair (Environment Canada): Vancouver 2010 Winter
Olympics Land Surface Forecast System*

1100-1130 *Souhail Boussetta (ECMWF) and Toshio Koike (U Tokyo) Development of LDAS
Coupled with Atmospheric Models by CEOP*

SESSION 3: OBSERVATIONS FOR TERRESTRIAL SURFACES

1135-1205 *Matthias Drusch and Mark Drinkwater (ESA) ESA's Living Planet Programme and
Earth Explorer 7 Candidates*

1210-1240 *Pedro Viterbo (IM)Land surface observations: requirements for
operational NWP in data assimilation and
verification*

1240-1340 *Lunch*

1340-1410 *Matthias Drusch (ESA)Satellite data products suitable for land surface
analyses*

1415-1445 *Yann Kerr (CESBIO)The SMOS satellite mission*

1450-1520 *Debbie Clifford (NCEO/U Reading) ..Snow products for assimilation and verification*

1520-1540 *Tea/coffee*

1540-1605 *Poster session II - Data Assimilation and Systems (continued)*

1605-1635 *Carlos Jimenez (LERMA) and Catherine Prigent (LSCE)The LANDFLUX project*

1640-1710 *Nuno Carvalhais and Markus Reichstein (MPI-BGC Jena) Use of eddy covariance
data from FLUXNET for parameter estimation
and model evaluation*

WEDNESDAY 11 NOVEMBER 2009

SESSION 4: CONTRIBUTION OF LAND SURFACE TO PREDICTABILITY

0910-0940	<i>Antje Weisheimer (ECMWF) The contribution of the land surface to predictability in the ECMWF seasonal prediction system: The European summer 2003 case</i>
0945-1015	<i>Randy Koster (GSFC) The GLACE-2 experiment</i>
1015-1035	<i>Tea/coffee</i>
1035-1100	<i>Poster session III – Predictability and carbon</i>
	<i>Jean-Christophe Calvet (CNRM) Monitoring soil and vegetation fluxes of carbon and water at the global scale: the land carbon core information service of geoland2</i>
	<i>Sébastien Lafont (CNRM)..... A 13-y high-resolution climatology of biophysical variables over France with the ISBA-A-gs model</i>
	<i>Ryan Teuling (ETH)..... Brightening and Dimming?</i>
	<i>Bart van den Hurk (KNMI)..... GLACE2 analyses for Europe</i>
1100-1130	<i>Bart van den Hurk (KNMI) The EC-Earth modelling challenges</i>
1135-1205	<i>Eric Jäger and Sonia Seneviratne (ETH) Land surface predictability in Europe: Extremes and trends</i>
1210-1240	<i>Hervé Douville (Météo-France) Importance of snow initial condition in seasonal forecasting</i>
1245-1315	<i>Yvan Orsolini (NILU) Impact of snow cover on the Northern Hemisphere winter circulation</i>
1315-1415	<i>Lunch</i>
1415-1455	<i>Visit to the ECMWF computing facilities (optional)</i>
1500-1510	<i>Introduction to the Working Groups</i>
1500-1730	<i>Working group discussions</i>
1830	<i>Dinner</i>

THURSDAY 12 NOVEMBER 2009

0910-1215	Working group discussions and drafting of recommendations
1215-1345	<i>Lunch</i>
1345-1530	Plenary Session
1530	Closure of the Workshop