

Programme

ECMWF/ELDAS workshop on Land Surface Assimilation
8-11 November 2004



Monday, 8 November 2004

08:30 Registration

09:15 Philippe Bougeault Welcome introduction

Session 1: Introduction (Chair Pedro Viterbo)

09:25 Bart van den Hurk Introduction to ELDAS

09:45 Alan K. Betts Coupling of land-surface, boundary layer and cloud fields

10:25 Coffee break

Session 2: Forcing 1 (Chair Pedro Viterbo)

10:55 Franz Rubel Daily and 3-hourly quantitative precipitation estimation for ELDAS

11:35 Peter Bauer Continental precipitation estimation from space

12:15 Lunch

Session 2: Forcing 2 (Chair Ken Mitchell)

13:45 Bart van den Hurk ELDAS radiation and heating rates from METEOSAT

14:25 Isabel Trigo The use of remote sensing data to improve the modelling of skin temperature

15:05 Tea break

Session 3: Methods 1 (Chair Ken Mitchell)

15:35 Matt Rodell NASA/NOAA's Global Land Data Assimilation System (GLDAS): Recent Results and Future Plans

16:15 Werner Wergen Variational soil assimilation at DWD

16:45 Gianpaolo Balsamo A simplified variational analysis scheme for soil moisture: Developments at Météo-France and MSC

17:25 Adjourn and cocktails

Tuesday, 9 November 2004

Session 3: Methods 2 (Chair Werner Wergen)

09:15 Janneke Ettema The ECMWF soil data assimilation

09:55 Matthias Drusch Assimilation of snow

10:35 Coffee break

Session 4: Applications 1 (Chair Werner Wergen)

11:05 Rolf Reichle Land data assimilation and seasonal climate prediction

11:45 Allard de Wit Using ELDAS results in the European Crop Growth Monitoring Experiment

12:25 Lunch

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Session 4: Applications 2 (Chair Paul Dirmeyer)

13:55	Ernesto Rodriguez	Significance of ELDAS products for NWP
14:35	Eleanor Blyth	The use of soil moisture in hydrological forecast models
15:15	Tea break	

Session 5: Validation 1 (Chair Paul Dirmeyer)

15:45	Ken Mitchell (and Dag Lohmann)	The North American Land Data Assimilation System (NLDAS): Purpose, approach, results, lessons, validation and plans
16:25	Cor Jacobs	Validation of ELDAS products
17:05	Phil Graham	Validation at catchment scale
17:45	Adjourn	

Wednesday, 10 November 2004

Session 5: Validation 2 (Chair Bart van den Hurk)

09:15	Paul Dirmeyer	Continental-global scale validation and evaluation of land surface models
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Session 6: Carbon cycle and landuse (Chair Bart van den Hurk)

09:55	Jean-Christophe Calvet	The GEOLAND project: Observatory of Natural Carbon fluxes
10:35	Coffee break	
11:05	Jean-Louis Champeaux	ECOCLIMAP database: New developments
11:45	Wolfgang Knorr	Assimilation of satellite-derived fraction of absorbed photosynthetically active radiation (FAPAR)
12:25	Lunch	
13:55	Working group topics and goals (Pedro Viterbo)	
14:15	Working group discussions	
	<ul style="list-style-type: none">• Data requirements• Developments on assimilation methods and model• Applications and future directions	
18:30	<i>Informal buffet in ECMWF Restaurant</i>	

Thursday 11 November 2004

09:30-12:00	Working group discussions and drafting of recommendations
12:00	<i>Lunch</i>
13:30-15:30	Plenary session