

Agenda

Workshop "Parameterization of Lakes in Numerical Weather Prediction and Climate Modeling"

(9.9.2008)

18-20 September 2008, St. Petersburg (Zelenogorsk), Russia

SEPTEMBER, 18, THURSDAY

Lake parameterisation schemes for NWP and climate models

- 9.30 - 9.50 Opening of the Meeting and Introduction
 Lev Karlin, Ekaterina Kourzeneva, Maria Mamaeva
- 9.50-10.50 Brent Lofgren

Lake-Watershed-Atmosphere Coupled Climate Modeling in the North American Great Lakes

Short abstract (pdf)
- 10.50-11.20 Coffee break
- 11.20-11.50 Marjorie Perroud

Simulation of lake Geneva temperature profiles under observed and future warmer climate conditions with a single column lake model

[Short abstract \(pdf\)](#)
- 11.50-12.20 Stephane Goyette

Interfacing single column lake and atmospheric models:

application over lake Geneva for observed and warming climate scenario

[Short abstract \(pdf\)](#)

12.20-14.00 Lunch

14.00-14.30 Andrey Martynov

Coupling of the Canadian Regional Climate Model with lake models

[Short abstract \(pdf\)](#)

14.30-14.55 Sander Tiim

HIRLAM physics overview

Short abstract (pdf)

14.55-15.20 Patrick Le Moigne

Surface modeling at Meteo-France: overview of SURFEX system

Short abstract (pdf)

15.20-15.40 Vasiliy Bogomolov

A study of influence of Western Siberian bogs on regional climate dynamics using regional WRF-based model data

Short abstract (pdf)

15.40-16.10 Coffee break

16.10-16.30 Roman Bezhenar

Modelling of heat interaction in system of atmosphere - water - sediments

Short abstract (pdf)

16.30-16.50 Alexander Guziy

Statistical downscaling of results of the forecasting system MM5-

Ukraine using neural network technology

Short abstract (pdf)

SEPTEMBER, 19, FRIDAY

Lake parameterisation schemes for NWP and climate models

- | | |
|--------------|--|
| 9.30-9.50 | Zhenlin Yang |
| | Temperature redistribution on meters scale: parameterization of the effects of the lake |
| | Short abstract (pdf) |
| 9.50 - 10.20 | Dmitrii Mironov |
| | FLake A Lake Parameterisation Scheme for Numerical Weather Prediction and Climate Models |
| | Short abstract (pdf) |
| 10.20-10.40 | Burchardt Rockel |
| | Application of FLake in the CLM-Community |
| | Short abstract (pdf) |
| 10.40-11.10 | Coffee break |
| 11.10-11.30 | Patrick Samuelsson |
| | Do we need to account for lakes in climate and NWP modelling? |
| | Short abstract (pdf) |
| 11.30-11.50 | Rui Salgado |

Surface heat fluxes over an artificial lake in South Portugal:
Simulations with SURFEX / Meso-NH linked to FLake and
observations

[Short abstract \(pdf\)](#)

11.50-12.10

Emmanuel Dutra

Global offline lake simulations: Evaluation and Impacts on ERA-
INTERIM

[Short abstract \(pdf\)](#)

12.10-12.30

Gabriel Rooney

Implementation of the FLake lake model in the Joint UK Land
Environment Simulator (JULES)

[Short abstract \(pdf\)](#)

12.30-14.00

Lunch

14.00-14.20

Viktor Stepanenko

The use of bulk and one-dimensional lake models
in studies of lake - atmosphere interaction

[Short abstract \(pdf\)](#)

14.20-14.40

Miklos Voros

Application of FLake on the lake Balaton

[Short abstract \(pdf\)](#)

14.40-15.10

Discussion

External-parameter data sets

15.10-15.45

Ekaterina Kourzeneva

External Data for Lake Parameterisation in NWP and Climate Modelling

Short abstract (pdf)

15.45-16.15 Coffee break

16.15-16.35 Gianpaolo Balsamo

Deriving an effective lake depth for NWP models: An application to FLake model

Short abstract (pdf)

16.25-16.55 Gerhard Smiatek

Preprocessing of spatial data on lakes

Short abstract (pdf)

16.55-17.25 Discussion

SEPTEMBER, 20, SATURDAY

Off-line applications of lake models (parameterisation schemes)

9.30 - 10.10 Georgiy Kirillin

Lake response to climate variability: modelling aspects

Short abstract (pdf)

10.10 - 10.30 Viktor Podsechin

Application of FLake model to lakes water quality modelling studies

Short abstract (pdf)

10.30 - 10.50

Alexandr Makshtas

Melt ponds in the Arctic

Short abstract (pdf)

10.50-11.10

Coffee break

11.10-11.30

Matti Leppäranta

Modelling the ice and snow cover in boreal lakes

Short abstract (pdf)

11.30-11.50

Sergey Golosov

On the possible FLake model ecological applications

Short abstract (pdf)

11.50-11.20

Discussion

Data assimilation

11.20-13.00

Nils Gustafsson

Data assimilation for lake models applied in numerical weather prediction - some initial naive ideas

Short abstract (pdf)

13.00-14.00

Lunch

14.00-14.20

Laura Rontu, Kalle Eerola and Ekaterina Kourzeneva

A study on lake temperatures in HIRLAM

[Short abstract \(pdf\)](#)

14.20-14.40	Mikko Kervinen
	Operative production of lake surface temperature estimates using NOAA AVHRR
	Short abstract (pdf)
14.40-15.10	Discussion
15.10-15.40	Coffee break
15.40-17.10	General Discussion
17.10-17.20	Closure