

# 3rd SWSA Workshop

## Vienna, 1 - 2 June 2005

### PROGRAM

**Wednesday 1 June 2005**

08.30 am Registration

#### *Opening session*

09.00 am Dr. Fritz Neuwirth (*Director of ZAMG*)  
Welcome and opening of the workshop

09.10 am Jean Quiby (*SRNWP-Coordinator*)  
A few words from the coordinator

09.20 am Practical informations

#### *Session A: Ensemble Forecasts* (Chair: Harald Seidl)

09.30 am Juha Kilpinen  
Calibration of EPS winds

09.55 am A.S. Cofino, W. El-Dereby, J.M. Gutierrez  
Analysing and downscaling ensemble forecasts with topology-preserving clustering methods

**10.20 am Coffee break**

10.50 am Tamara Comment  
Short presentation about confidence index

11.15 am Marcel Vallee  
Verification of weather element forecast from the canadian ensemble system

#### *Session B: Dynamical Adaptation* (Chair: Alexander Kann)

11.40 am Thomas Haiden  
INCA - High resolution downscaling of NWP-model forecasts

**12.05 pm Lunch break**

01.15 pm Philippe Crochet  
Precipitation mapping in Iceland using the linear theory model of orographic precipitation

01.40 pm Franz Wimmer, Thomas Haiden:  
Analysis of residual errors in T2m-nowcasting

***Session C: Operational Applications***  
*(Chair: Klaus Stadlbacher)*

02.05 pm S. Roquelaure, T. Bergot  
Improved site-specific numerical prediction of fog and low clouds

02.30 pm Michael Rohn  
Objective optimisation of local forecast guidance

**02.55 pm Coffee break**

03.30 pm Heike Hoffmann, Volker Renner  
Interpretation of the new DWD high resolution model LMK

03:55 pm Harold Petithomme  
New operational methods and forecast parameters at Meteo-France

04.20 pm Francis Schubiger  
Short report of some operational adaptations at MeteoSwiss with aLMo

**07.30 pm Workshop Dinner**

## Thursday 2 June 2005

### *Session D: Statistical Adaptation/Neural Networks* (Chair: Thomas Haiden)

- 09.00 am Agostino Manzato  
Short term rainfall forecasts from sounding derived indices  
using neural networks
- 09.25 am C. Sordo, J.M. Gutierrez  
A comparison of CP and CCA predictors for wind speed downscaling using  
neural networks
- 09.50 am Jasna Vehovar  
Temperature forecasting in terms of quantiles
- 10.15 am Coffee break**
- 10.45 am John Bjørnar Bremnes  
Quantile forecasting in practice using local quantile regression
- 11.10 am Harald Seidl  
Experiences with PPM-methods applied to forecast local and areal precipitation  
amounts in Austria
- 11.35 am Gabriella Csima  
Using multiple linear regression for post-processing model output data
- 12.00 pm Lunch break**
- 01.00 pm Philippe Crochet  
Prediction of T2m and 10m wind-speed in Iceland using a Kalman filter
- 01.25 pm Anders Persson  
Using late information to update a Kalman filter forecast
- 01.50 pm R. Sano, C. Sordo, J. M. Gutierrez  
Multisite spatial analog downscaling methods with Bayesian networks
- 02.15 pm Coffee break**
- 02.45 pm Final Discussions - summary of the workshop