

WWRP/THORPEX Workshop on proposed High Impact Weather Project

Karlsruhe, Germany, 18-19 March 2013

Monday 18th March

10:30-11:00 Registration and Coffee

11:00-11:20 Welcome & Introduction

11:20-13:00: Session 1: Weather forecasts to address changing user needs

11:20-11:40 Forecasting for Aviation, Klaus Sturm, DWD

11:40-12:00 Forecasts for renewable energy and disaster management.
Renate Hagedorn, DWD

12:00-12:20 Flood forecasting with TIGGE: David Richardson, ECMWF

12:20-12:40 Communicating forecast information. Charles Ewen, UKMO

12:40-13:00 Unlocking the socioeconomic benefits of improved weather forecasts.
Rebecca Morss, NCAR

13:00-14:00 Lunch

14:00-16:00 Session 2; Science state of the art and future challenges

14:00-14:40 Predictability and Dynamical Processes: Heini Wernli, ETH Zürich and Edmund Chang, Stony Brook University

14:40-15:00 Observations for improving high impact weather forecasts from convective to global scales. Roger Saunders, UKMO and Stefan Klink, EUMETNET Observations Programme, DWD

15:20-15:40 Data assimilation: Tijana Janjic-Pfander, Hans-Ertel-Centre for Weather Research, DWD

15:40-16:00 From Nowcasting to convective scale NWP: Brian Golding, UKMO

16:00-16:30 Break

16:30-17:50 Session 3: Science state of the art and future challenges

16:30-16:50 Future challenges in global, medium range weather prediction:
Erland Kallen, ECMWF

16:50-17:10 Ensemble forecasts: Richard Swinbank UKMO

17:10-17:30 Forecasting aerosol and chemistry Bernhard Vogel, KIT

17:30-17:50 Verification: Martin Göber, Hans Ertel Centre for Weather Research, DWD

17:50-18:30 Plenary discussion: Challenges, gaps, structure of research programme

Evening meal: tables reserved at local restaurant

Tuesday 19th March

09:00-10:00 Plenary discussion continued: Challenges, gaps, structure of research programme, finalise breakout groups

10:00-11:00 Session 4: Related initiatives

10:00-10:20 The WWRP Polar Prediction Project Thomas Jung, Alfred Wegener Institut

10:20-10:40 Overview of the Subseasonal to Seasonal (S2S) Prediction Project: Andrew Robertson, IRI, Columbia University

10:40-10:55 T-NAWDEX: Andreas Schäfler, DLR and Patrick Harr, NPS Monterey

10:55-11:15 Severe Weather Forecasting Demonstration Projects: Ken Mylne, UKMO.

11:15-11:45 Break

11:45-13:00 Breakout groups

13:00-14:00 Lunch

14:00-15:00 Breakout groups

15:00-16:00: Feedback from breakout groups and plenary discussion

16:00-16:30 Break

16:30-18:30: Plenary discussion: Strategy for the proposal, scope, related initiatives: eg UNISDR, potential funders, major elements: eg T-NAWDEX, Lake Victoria Experiment, key goals

Evening Meal together at local restaurant

Wednesday 20th March T-NAWDEX