

HEPEX – COST731 workshop program – Toulouse 15-18 June 2009

V1 : 18 may 2009

Day 1: Monday

Abstract #

1 - Introduction

| start | end | |
|-------|-------|---------------------|
| 13:00 | 13:10 | Météo-France |
| 13:10 | 13:20 | SCHAPI |
| 13:20 | 13:45 | Workshop objectives |

2 - Operational Systems - Meteorological Ensembles (Global)

| start | end | | | Abstract # |
|-------|-------|--------------|---|------------|
| 13:45 | 14:00 | Pappenberger | ECMWF supporting hydrological forecasting | 20 |
| 14:00 | 14:15 | Thot | Calibration of hydrometeorological ensemble forecast at NCEP | 53 |
| 14:15 | 14:30 | Descamps | Ensemble forecasting at Météo-France. Potential for the precipitation forecast | 63 |
| 14:30 | 14:45 | Nickovic | WMO research weather prediction activities relevant for ensemble hydrology forecast | 57 |

COFFEE BREAK 14:45-15:30 coffee and poster

3 - Operational Systems - Hydrological Applications

| start | end | | | Abstract # |
|-------|-------|----------|---|------------|
| 15:30 | 15:45 | Thielen | The European Flood Alert System – a review | |
| 15:45 | 16:00 | Restrepo | Status of hydrologic ensemble prediction at U.S. National Weather service | 48 |
| 16:00 | 16:15 | Mathevet | Operational hydrological ensemble forecasts in France. Recent development of the French | 9 |
| 16:15 | 16:30 | McCollor | Ensemble weather forecasting at BC hydro | 1 |

4 - Operational Systems - Users&Decision makers

| start | end | | | Abstract # |
|-------|-------|-----------|---------------------------|------------|
| 16:30 | 16:45 | van Andel | Cost-Benefit Analysis | 36 |
| 16:45 | 17:00 | Bruen | Uncertainty Communication | 59 |
| 17:00 | 18:00 | | Plenary Discussions | |

cocktail and posters

Day 2

start end

5 - From precipitation measurements to flash flood and short range

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|-------|-------|----------|---|----|
| 09:00 | 09:15 | Rossa | The COST731 action "Propagation of uncertainty in Advanced Meteo-hydrological models" | 52 |
| 09:15 | 09:30 | Pfeifer | COST731 radar report | 50 |
| 09:30 | 09:45 | Einfalt | Radar data quality index | 21 |
| 09:45 | 10:00 | Moulin | QPE reanalyses | 64 |
| 10:00 | 10:15 | Moulin | QPF for fast catchments | 39 |
| 10:15 | 10:30 | Nuissier | Convective-scale ensembles | 15 |

COFFEE BREAK 10:30 - 11:15 coffee and poster

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|-------|-------|----------|--------------------------------|----|
| 11:15 | 11:30 | Schumann | Fast watershed ensembles | 16 |
| 11:30 | 11:45 | Yu | Diurnal precipitation in China | 28 |

6 - Short to Medium Range

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|-------|-------|---------|---|----|
| 11:45 | 12:00 | Arritt | Dynamical and Statistical Downscaling of Meteorological Forecasts | |
| 12:00 | 12:15 | Hamill | Precipitation forecast calibration | 4 |
| 12:15 | 12:30 | Bremnes | Statistical calibration | 18 |
| 12:30 | 12:45 | Mylne | MOGREPS | 22 |

LUNCH 12:45 - 14:15

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|-------|-------|-------------|---|----|
| 14:15 | 14:30 | Diomedea | Limited area model calibration | 26 |
| 14:30 | 14:45 | Garcia-Moya | Multi-model short range ensemble | 56 |
| 14:45 | 15:00 | Wang | ALADIN ensembles | 17 |
| 15:00 | 15:15 | Thirel | On the importance of meteorological downscaling for short, medium and long range hydrological ensemble prediction Over France | 10 |

COFFEE BREAK 15:15 - 16:00 coffee and poster

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|-------|-------|-----|--|---|
| 16:00 | 16:15 | Bao | The comparison of the different inputs and outputs of hydrological prediction system ... | 8 |
|-------|-------|-----|--|---|

7 - Long Range

| | | | | |
|-------|-------|------|---------------------------------------|----|
| 16:15 | 16:30 | Qu | Downscaling seasonal forecasts at EDF | 14 |
| 16:30 | 16:45 | Page | Weather typing for seasonal forecasts | 23 |
| 16:45 | 17:00 | Wood | Downscaling seasonal forecasts | 54 |

8 - Hydrologic Ensembles

| | | | | |
|-------|-------|-------|---------------------------|----|
| 17:00 | 17:15 | Marty | Hydrologic impact of QPF | 7 |
| 17:15 | 17:30 | Csik | Danube ensemble forecasts | 27 |

Day 3

| start | end | | | |
|-------|-------|-----------|---------------------------------|----|
| 09:00 | 09:15 | Kim | Korean ESP case studies | 30 |
| 09:15 | 09:30 | Velazquez | Multimodel hydrologic ensembles | 38 |
| 09:30 | 09:45 | Reggiani | Rhine river ensembles | 55 |

9 - Ensemble Verification

| | | | | |
|-------|-------|----------|------------------------------|----|
| 09:45 | 10:00 | Demargne | HEPEX verification testbed | 40 |
| 10:00 | 10:15 | Zappa | "Peak flow box" verification | 6 |

COFFEE BREAK 10:15 - 11:00 coffee and poster**10 - Theoretical Perspectives**

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|-------|-------|-----------|-----------------------------------|----|
| 11:00 | 11:15 | Todini | Predictive uncertainty | 2 |
| 11:15 | 11:30 | Zappa | Propagation of uncertainty | 5 |
| 11:30 | 11:45 | Brown | Non-parametric postprocessor | 44 |
| 11:45 | 12:00 | Hostache | Uncertainty assessment | 46 |
| 12:00 | 12:15 | Schertzer | Precipitation stochastic modeling | 49 |
| 12:15 | 12:30 | Hopson | Combined approach | 61 |

5 - Flash Flood and Short Range (continued)

| | | | | |
|-------|-------|----------------|------------------------|----|
| 12:30 | 12:45 | Sempere-Torres | Rainfall uncertainties | 47 |
|-------|-------|----------------|------------------------|----|

LUNCH 12:45 - 14:15**11 - Breakout Groups (TBD)**

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|-------|-------|--|------------------|--|
| 14:15 | 15:30 | | Change to Groups | |
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COFFEE BREAK 15:30 - 16:15 coffee and poster

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|-------|-------|--|-----------------|--|
| 16:15 | 17:00 | | Breakout Groups | |
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Day4: Thursday

| start | end | |
|-------|-------|------------------------|
| 09:00 | 10:00 | Breakout Group Reports |

12 - Future Collaboration

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| 10:00 | 10:30 | Proposal for future collaboration |
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COFFEE BREAK 10:30 - 11:15

coffee and poster

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| 11:15 | 12:30 | Breakout groups to discuss proposal |
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LUNCH 12:30 - 14:00

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| 14:00 | 15:00 | Breakout group reports |
| 15:00 | 15:30 | Plenary discussion of proposal |

COFFEE BREAK 15:30 - 16:15

coffee and poster

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| 16:15 | 17:00 | Plenary discussion on workshop publications |
| 17:00 | | End of workshop |