

## **Theme 1 Observations and Data Assimilation**

### **1) New technologies and observation instrumentation innovations: from urban to global scales**

Co-conveners:

*Susanne Crewell (Cologne)*  
*Johannes Schmetz (EUMETSAT)*

Keynote speakers:

*Dr. Peng Zhang (CMA)*  
*Matthias Rotach (Univ Innsbruck)*

### **2) Observations and their assimilation in global to convective scale models**

Co-conveners:

*Roger Saunders (Met Office)*  
*Ron Gelaro (NASA)*

Keynote speakers:

*Dale Barker (Met Office)*  
*Florence Rabier (ECMWF)*

### **3) THORPEX field campaigns**

Co-conveners:

*Patrick Harr (Naval PostGraduate School)*  
*Chun-Chieh Wu (National Taiwan University)*

Keynote speakers:

*Pat Harr*  
*David Richardson (ECMWF)*

### **4) Observations and assimilation of atmospheric constituents**

Co-conveners:

*Arlindo daSilva (NASA)*  
*Vincent-Henri Peuch (ECMWF)*

Keynote speakers:

*Vincent-Henri Peuch*  
*P.K. Bhartia (NASA)*

### **5) Ocean and cryosphere observations and their assimilation**

Co-conveners:

*Peter Minnett (RSMAS)*  
*David Bromwich (Ohio State)*

Keynote speakers:

*Mark C. Serreze (NSIDC)*  
*Detlef Stammer (MPI)*

### **6) Coupled data assimilation and reanalyses**

Co-conveners:

*Dick Dee (ECMWF)*  
*Oscar Alves (BoM)*

Keynote speakers:

*Patrick Laloyaux, (ECMWF)*  
*Suranjana Saha (NCEP)*

### **7) Data assimilation methodology and diagnostic tools**

Co-conveners:

*Mark Buehner (Env Canada)*  
*Takemasa Miyoshi (RIKEN)*

Keynote speakers:

*Eugenia Kalnay (UMD)*  
*Andrew Lorenc (Met Office)*