

**3rd COPS and GOP Workshop**  
**The Observation Programs Within the**  
**Priority Program 1167 “Quantitative Precipitation Forecast”**  
**of the German Research Foundation**  
**From Scientific Preparation Towards Operation**  
**10 – 11 April 2006**  
**University of Hohenheim, Stuttgart**

*Monday, 10 April*

- 10:00 – 10:15**    **Welcome**
- 10:00            Welcome UHOH: Heinz Breer (Dean of the Faculty of Natural Sciences)
- 10:05            Welcome IPM: Volker Wulfmeyer
- 10:15 – 12:00**    **1<sup>st</sup> session: Status-quo of COPS and GOP preparation**  
**(Chair: Hans Volkert)**
- 10:15            COPS: Andreas Behrendt
- 10:45            GOP: Susanne Crewell
- 11:15            DWD, LMK: Michael Baldauf
- 11:45            Discussion
- 12:00 – 13:00    Lunch Break
- 13:00 – 15:00**    **2<sup>nd</sup> session: International coordination (Chair: Hartmut Graßl)**
- 13:00            DPHASE: Mathias Rotach
- 13:15            ETReC07: George Craig
- 13:30            ARM Mobile Facility (AMF): Dave Turner
- 13:45            CATICT (with CSIP results) + instrumentation: Alan Blyth
- 14:00            French proposal + instrumentation: Evelyne Richard, Cyrille Flamant, Joel van  
Baelen
- 14:15            TRACKS + instrumentation: Christoph Kottmeier, Frank Holland, Mark  
Lawrence
- 14:30            EUMETSAT, Marianne König
- 14:45            Discussion
- 15:00 – 15:30    Coffee Break

**15:30 – 18:10 3<sup>rd</sup> session: Instrumentation within COPS and GOP**

**(Chair: Cyrille Flamant)**

**30 minutes FZK-IMK instrumentation:**

Do-128, Dropsondes, Wind-Tracer: Ulrich Corsmeier

C-Band and cloud radar: Jan Handwerker

WTR: Siegfried Vogt

Sodar, energy balance, turbulence tower, radiosondes: Norbert Kalthoff

Soil moisture network: Christian Hauck

Zugspitze WV DIAL, Thomas Trickl

**15 minutes IPM instrumentation:**

Water Vapor DIAL: Volker Wulfmeyer

Rotations Raman Lidar: Andreas Behrendt

X-band radar: Thorsten Schaberl

**10 minutes IFT instrumentation:**

MWL and WiLi: Ronny Engelmann

**10 minutes LMU instrumentation:**

HATPRO: Susanne Crewell

Mesonet: Roger Smith

**5 minutes UBonn:**

Miccy: Volker Küll

**15 minutes DLR Oberpfaffenhofen:**

Falcon, Water Vapor DIAL, Doppler lidar, Dropsondes: Gerhard Ehret

Poldirad: Martin Hagen

**10 minutes UHamburg:**

Cloud radar and micro rain radars: Gerhard Peters

**5 minutes GFZ:**

GPS network: Jens Wickert

**10 minutes UBayreuth:**

Sodar RASS, mast, radiance turbulence cluster: Thomas Foken

**10 minutes UFreiburg:**

Flat-array sodar, Hartheim and Tuttlingen sites: Jutta Rost, Thomas Holst

**10 minutes Italian instrumentation:**

UNIBAS lidar: Paolo Di Girolamo

CNR-IMAA instruments: Aldo Amodeo

**10 minutes Austrian instrumentation:**

UVienna instrumentation: Manfred Dorninger

- 5 minutes**      **Dutch instrumentation:**  
Cabauw radar TARA: Susanne Crewell on behalf of Herman Russchenberg
- 10 minutes**    **Swiss instrumentation:**  
TROWARA and ASMUWARA: Emmanuel Brocard
- 10 minutes**    **US instrumentation:**  
SPol and DOWs: Sabine Goeke
- 18:15 – 19:00    Break
- 19:00 – 20:00    Reception with musical surprise
- 20:00 – 24:00    Banquet

Tuesday, 11 April

**09:00 – 10:30**    **4<sup>th</sup> Session: Towards Operations Plan**

**(Chair: Andreas Behrendt)**

**Working Groups (WGs):**

**COPS Ground-based Instrumentation**

Distribution and operation of instruments, Supersite coordination, logistical requirements, missions -> Operations Plan

**COPS Airborne Instrumentation**

Missions, aircraft coordination -> Operations Plan

**Modelling Activities, Data Archive Structure, Data Format Issues, Quality**

**Control (COPS & GOP)**

10:30 – 11:00    Coffee Break

**11:00 – 12:30**    **Session 4 continued**

12:30 – 13:30    Lunch Break

**13:30 – 15:00 Results of WGs, plenary discussion**

**(Chair: Mathias Rotach)**

**Additional General Topics:**

- Missions
- Operations center
- Structures for Decision Finding
- Verification, data quality control
- Real-time data assimilation
- Data management

15:00 – 15:15 Coffee Break

**15:15 – 16:00 5<sup>th</sup> session: Towards Operations Plan, wrap up & action items**

**(Chair: Volker Wulfmeyer)**

- Coordination of Operations Plan
- EUFAR proposals
- International coordination

16:00: Adjourn

**16:00 – 17:00 Meeting of the COPS International Science Steering Committee**