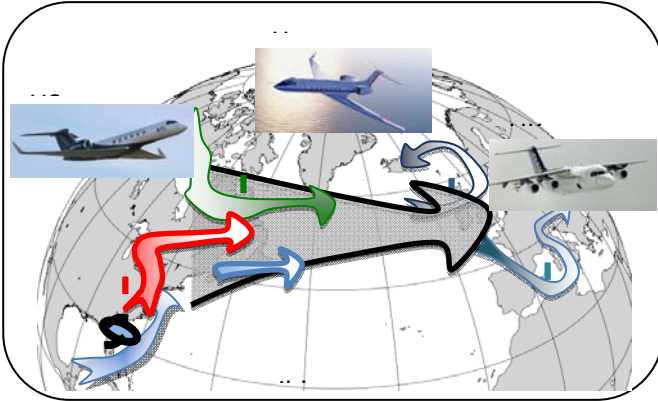


Workshop on the
**THORPEX-North Atlantic Waveguide
and Downstream Impact Experiment**

Karlsruhe, March 20, 2012



The aim of this meeting is to update everyone on developments since the first TNAWDEX workshop in Erding in 2009 and decide the next steps towards a campaign in 2016. Some suggestions have been made for the discussion, but of course everybody is invited to contribute their own ideas.

0900 – 1020 Key Presentations (5 min. for questions)

Chair:

- 0900 - 0915 THORPEX legacy
- 0915 - 0930 Summary of the Erding workshop, framework for this meeting
- 0930 - 0955 UK contribution (Methven, Gray)
- 0955 - 1020 US contribution (Harr, Davis, Archambault)

1020 -1040 Coffee Break

1040 – 1200 Key Presentations (5 min. for questions)

Chair:

- 1040 - 1105 French contribution (Ducroq, Riviere, Arbogast)
- 1105 - 1130 German/Swiss contribution (Craig, Schäfler, Wernli)
- 1130 - 1145 ML- Cirrus - a HALO research campaign in 2014
(Voigt, DLR Oberpfaffenhofen)
- 1145 - 1200 Links to the UTLS community (Hoor, University of Mainz)

We would like to ask the speakers to address the following questions as input to the afternoon discussion:

- What have we learned since the Erding workshop in 2009?
- What are the relevant results from recent research campaigns?
- What are your main scientific interests and questions?

- What airborne platforms are available?
What instrumentation is feasible?
- What are the plans for applications? What is the funding status?
- Who will be the representatives/PIs?

1140 – 1300 Lunch

1300 – 1500 Plenary discussion: Scientific goals

Chair: Craig

- Processes triggering wave-guide disturbances
 - PV anomalies in the stratosphere
 - Diabatic modification of airmasses in WCBs
 - ET of tropical cyclones
 - Orographic forcing
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- Evolution of Rossby waves along the wave-guide
 - Waveguide representation
 - Downstream evolution of PV anomalies
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- Downstream impact of diabatically modified PV anomalies
 - High impact weather downstream
 - Wave breaking sensitivity to upstream disturbances
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1500 -1530 Coffee Break

1530 – 1630 Plenary discussion: Logistic questions

Chair: Schäfler

- Who are the PIs? Who contributes to a T-NAWDEX white book?
- Who writes proposals for T-NAWDEX?
- What are the important deadlines?
- How do we progress in the coming months?
- What connections to related communities are desirable/in discussion?
- Input to the coming GV / HALO Meeting?
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1630 – 1700 Final discussion

Chair: