

# Integration of observational databases for evaluation of Hemispheric Transport of Air Pollutants

TF HTAP  
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# Background

- EMEP TFHTAP is chaired by the EC and the US-EPA, brings together experts and international organisations ([www.htap.org](http://www.htap.org))
- Access to and the integration of observations need improvement
- The EC has issued a service contract “*Integration of observational databases for evaluation of intercontinental transport of air pollutants*”.

## Scope of the call – three focus areas;

1. Generic data standards (incl. naming conventions)
2. Provision of a core data set
3. Recommendations for further work

# Consortium addressing the call established by NILU and LSCE;

## *Approach;*

*Make use of the core infrastructures operated in EMEP and further develop data exchange procedures with other original data repositories, make these available in compliance with naming conventions to provide a core data set.*

*Focus on monitoring efforts, not individual research data compilations.*

*Have lasting value !*

Sites, data originators

Original data repositories  
EMEP, EANET, CAD, NewDebits, CASTNET, NADP, CAPMON, GAW WDCs, others  
EARLINET, AERONET, GAW-PFR, others

Export of data with meta data  
using standard routines

input to EBAS

File conversion routines  
to be developed

Export routines to accomodate needs  
of naming conventions to be developed

HTAP data archive  
(with access control)

Data available in NASA-ames,  
NARSTO, NetCDF and HDF formats

as more data or revisions  
are needed...

Use in combination with models

Integration of in-situ data with  
aircraft and satellite data



# Outline of activities

## WP1 – Generic set of Data Standards

- Review of data and meta-data standards used for observational data
- Definition of data format and meta data standards

# Outline of activities

## WP2 – Core data set of observations

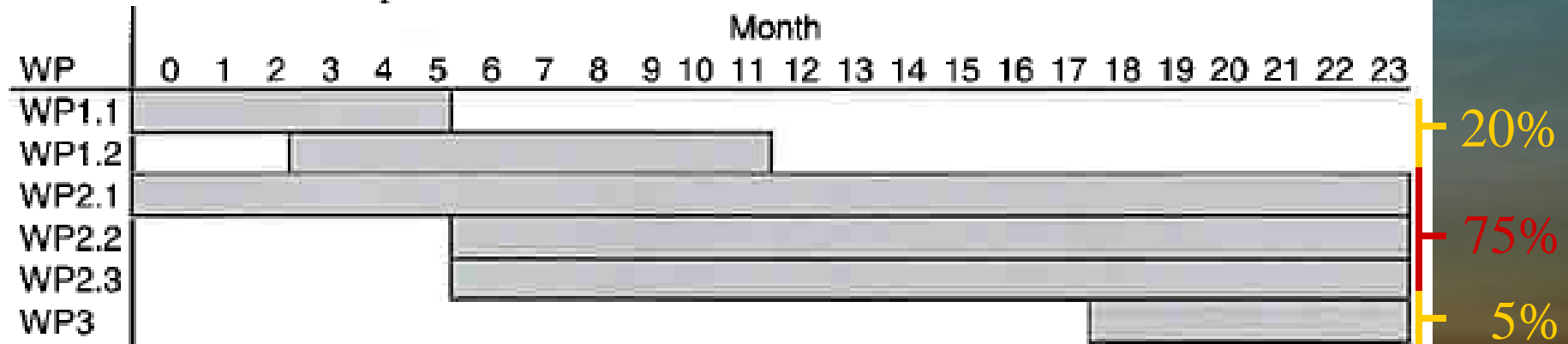
- User needs and selection of observations
  - Selection of sites
  - Selection of parameters
  - Evaluation of database
- Development of an HTAP observational data centre
- Population of the HTAP observational data centre

# Outline of activities

## WP3 – Recommendations for further work

- Bilateral discussions with contributing networks
- Feedback from user community

**Table 1:** Overview of planned tasks and their time schedule.



# Important considerations

- Support by contributing original repositories is essential
- Access to data is subject to restrictions
- ACCENT supported workshop will bring together representatives of the contributing networks to discuss QAQC collaboration for the future
- Close interaction with users of data (consultations)

Nations

- None
- All
- Austria
- Bosnia and Hercegovina
- Belgium
- Bulgaria
- Belarus
- Canada

From 1970 To 2007

Stations

- None
- All
- Illmitz

Nations

- All
- Austria
- Belgium
- Bulgaria
- Switzerland
- Cyprus
- Czech Rep.
- Germany

Stations

- All
- Ach
- Dur
- Fors
- Ger
- Gra
- Gän
- Han

From 1970 To 2007

Note: Selecting large amount of data



Note: Selecting large amount of data



Leipzig

Dunkelsteinerwald

Lat:48,371111

Long:15,546667

There are 16 number of DataSets available using the current filters

View

Česka Republika  
Czech Republic

Slovensko

