

WP1 Discussions: Short-term (within the project)

- **Short-term WP1:**
 - Sea Ice product use in CERA-SAT will not be from HadISST2
 - Data to output for additional diagnostics:
 - VT for meridional transports.
 - SST innovations in feedback files (in passive mode)
 - Work-plan for integration or upper-air data into ECMWF data base
 - Run some controlled experiment to learn (selection)
 - Demonstrate/investigate impact of coupling on the use of surface observations
 - Coupled/uncoupled?
 - Continue some of the streams for longer term (jumps)
 - Run CERA-20CM (with and without SST constrain)

WP1 Discussions: Mid-term (end and after project)

How to best exploit the data produced in CERA-20C and CERA-SAT?

Science questions:

- Trends, climate signals?
- User Workshop: which community we are targeting? CERA-20C is too experimental. Target the research community only?
- Exploit the uncertainty information from the ensembles and feedback files.
- Feedback files for ocean and atmosphere.

WP1 Discussions: Longer-term (for ERA-CLIM3)

INTEGRATION

- Integration of observations (upper air data). Test impact of new data
- CERA-preSAT
- Integration /consolidation of methods

- Service Evolution: Define clearly interface with Copernicus
 - CERA6
 - CERA-preSAT

PREPAING for the FUTURE

- Continue developing the framework and elements for an efficient coupled DA
- Bias corrections
- Investigate further impact of coupling: use of surface observations

- Biochemistry, Carbon Cycle

Engage the atmosphere data assimilation

Actions WP1

1. Workplan for upper air data integration in OFD
 1. Contact point
 2. Who should do it? Copernicus, ERACLIM2
 3. What happens with ERA-presat feedbacks
2. ERA-preSAT ?
 1. Replacement of CERA-SAT (Eraclim2)
 2. ERA5-preSAT (Copernicus)
 3. CERA-preSAT (ERA-CLIM3)
3. Evaluation working group
 1. Leo contact person:
 2. Accounts for interested parties
4. Short workshop with WP3/4 and Copernicus

List of priorities for possible EC3 (to be finalized)

Some ideas:

- Integration /consolidation of methods
 - Assimilation of SST
 - EDA in ocean
 - hybrid B (this includes EOF50)
 - 4Dvar: demonstrate)
- Integration of upper-air data. Test impact of new data
- CERA-preSAT
- Preparation for CERA6
- Investigate further impact of coupling: use of surface observations.

- Continue developing the framework and elements for an efficient coupled DA
- Continue data rescue activities
- Bias corrections
- Biochemistry, Carbon Cycle

Engage the atmosphere data assimilation