

Eureca4A/OA++ ship coordination meeting at DKRZ at Hamburg

FEBRUARY 19

- 9:00 – 9:20 welcome and logistics, brief introductions
- 9:20 – 9:30 goals of the workshop
- 9:30 – 10:00 EUREC4A++/OA & ATOMIC ... the big picture (BCO, ships, planes)
- 10:00 – 10:30 coffee break*
- 10:30 -11:00 introducing main objectives and observational strategies (space / time / properties)
- characterizing clouds
 - characterizing the meteorological environment
 - measuring sub-cloud layer mass, energy and momentum budgets
 - air-sea interaction and surface heterogeneity (salinity, temperature, currents, waves)
 - ocean mesoscale and sub-mesoscale eddies
- 11:00 – 11:20 what instrumentation will be already there (... other than ships)
- the secured aircraft (HALO, ATR-42) instrumentation, # of flights
 - the BCO site
 - satellite remote sensing
- 11:20 – 11:50 summary on the GERMAN ships (METEOR and MERIAN)
overview on instruments, capabilities and needs – collected from PI's
- 11:50 – 12:00 focus for the METEOR (S.Kinne)
- 12:00 – 12:10 focus for the MERIAN (J.Karstensen)
- 12:10 – 12:30 discussions
- 12:30 -14:00 lunch (take your favorite colleagues to a local restaurant)*
- 14:00-14:20 the French Ship EUREC4A/OA proposal – status (S.Speich)
- 14:20-14:30 discussions
- 14:30-14:50 the ATOMIC effort - status (C.Fairall ... via the web from the US)
- 14:50-15:00 discussions
- 15:00- 15:20 the Transregion ocean modeling (C.Eden)
- 15:20 - 15:50 coffee break*

15:50 – 17:30 coordination – discussions (common / comparable elements)
(50) ship vs ship
(20) ship(s) vs plane
(20) ship(s) vs BCO

19:00- *common dinner (TBD)*

FEBRUARY 20

9:00 - 9:15 quick review of yesterday

9:15 - 10:45 discussions in 3 subgroups (2 added rooms at MPI-M '002' & '024')
(one group each is led by Johannes, Sabrina and Stefan)
each (random chosen) subgroup to answer the 2 main questions:
what (atmos / ocean / exchange) capabilities are missing?
- to what degree is common instrumentation essential?
- are there easy solutions (actions?)
how to coordinate the platforms for maximum benefit ? (time / space)
- address ... ship to ship / ship to plane / ship to BCO activities

10:45 - 11:15 *coffee*

11:15 - 12:30 German 2 ship pre-planning
scheduling / space leitstelle@ifm.uni-hamburg.de
review of logistics (needs and possibilities)
review of space (on ship, on slots)
discussions

12:30 - 14:00 *lunch (take your favorite colleagues to a local restaurant)*

14:00 - 14:30 individual subgroup presentations on missing elements
14:30 - 14:45 discussion on solutions (action items)
14:45 - 15:15 individual subgroup presentations on platform coordination
15:15 - 15:30 discussions on potential for recommendations

15:30 – 16:00 *coffee break*

16:00 – 17:00 next steps (review action items, next meetings/telecons)

METEOR / MERIAN instrument PIs (main contacts)

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