WHOLE BLLAST PERIOD

* Tubingen (Bange et al): MASC (plane), turbulence.

* Braunschweig (Martin et al): M2AV, turbulence

* Bergen (Reuder et al): 3 SUMO, profiling, turbulence, horizontal legs

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COST PERIOD

* OstWestfalen-Lippe (Wrenger et al): multicopter + slow fixed wing (27 to 8)

* Zurich (Neininger et al.): UMARS and Y-UAV (planes), turbulence, CO2, ... July

*Heidelberg (Claussen et al): Sirius II (2m wing plane), fast humidity sensor, IR to measure Ts, last 10 days

* Bremen (Warmers et al): 1-8 July, 2 multicopters + 2 fun-jets

* Dunkerke (Flamant et al): 5-6 July, aerosol in UAV

COST PERIOD

Activities:

2 teams with multicopters (Lippe & Bremen)
3 teams with fixed wing (Bergen & Lippe & Bremen)
5 teams with 2m wing-UAS (Tübingen, Braunschweig, Heidelberg, Zurich 1&2)
1 team with ultra light UAS carrying an aerosol sampler

Basic aims:

*Intercomparison between different UAS
*Comparison with other data sources
*Strategies of simultaneous flight
* ... Should these activities take place in the morning? Where?

Surface layer sampling ==> SS2

* *Low level sounding -100m- (T,q):* Multicopters: daytime and nighttime
(compatible with normal BLLAST operation (?))
* *SL heterogeneities -below 100m-:*
a) Multicopters (horizontal transsects focussing very close to the ground)
b) Fixed wind (flights below 150m): anytime when possible