QUESTIONS

1- how do (precipitating and non-precipitating) clouds develop over time ?
2- what is the influence of the (near and wide field) environment on clouds ?
3- how can we assure that sampling on different platforms is complementary?
4- how to optimize the new capabilities of the cloud-kite?

PATTERNS

1 A. continued case-studies ("following parcels") : within the HALO circle and wind-aligned to BCO follow the cloud for some time such that the wind-speed at cloud base is compensated … then go upwind and repeat with another cloud again … and again.
B. pure statistics (assuming clouds are similar in nature): stationary sampling at selected locations - preferable spread to address large scale motions (ship circle arrangement)

2 circular ship arrangements (below aircraft for better boundary layer characterization):
   a. in a median 50km circle (under the HALO)
   b. in a large 200km circle (possibly with the P3 on top)
eddy-based arrangement: one ship in an eddy / one ship out of an eddy

3 … with the similar instrumentation on both ships
full day of comparisons at the start
full day of comparisons at the middle
full day of comparisons at the end
of the campaign (probably best in a staggered configuration)

4 A. Consider the installation of extra instrumentation (e.g. CCN instrument)
B. Consider new instrument packages (e.g. clear-sky package) radiosondes?
C. Consider simultaneous sampling at cloud top and cloud base.