HMG-CSSI issues

- ## Data assimilation:
  - Extension zone: tackle with quick fix or wait for IFS redesign?
    Possibly use Boyd's solution for this => WG to look into this further
  - LACE interested in using/testing 4D-VAR research system => workshop at end of 2009?
  - Different approaches for ensemble – DA ; what to learn from this?
  - Image assimilation: work starting on both sides, arrange interaction
  - Surface DA: several possibilities for future spatialization tool. Main problem is resources

- ## Short-range ensemble forecasting:
  - Use of ALADIN EPS with PEARP
  - Combination GLAMEPS – LAEF? Include raw LAEF data in GLAMEPS test periods, analyze added value.

- Dynamics
  - Finalization of joint dynamics plan
  - For flexible initialization, upgrade of DFI tools in HARMONIE

- Physics parametrizations
  - Deep convection/outflow testing: 1) what do we need to solve the problems that we see   2) role / achievement of convergence
  - Good outcome of convergence days
  - How to best work together on convection in high resolution models, and how to aggregate this with convergence actions?
  - Surfex; need to reconsider I/O interface for openMP, higher priority on this?

- **System management**
  - Discussion papers describing present practices showing deep underlying differences in system management philosophy
  - How to strike a good balance between "cultures"?
  - Internal interoperability actions
    - System experts: practical actions to improve cooperation
    - Stronger a priori look at consequences of changes for global models before admitting code
    - …
  - …without creating a new can of worms