HMA for Science Kickoff Meeting

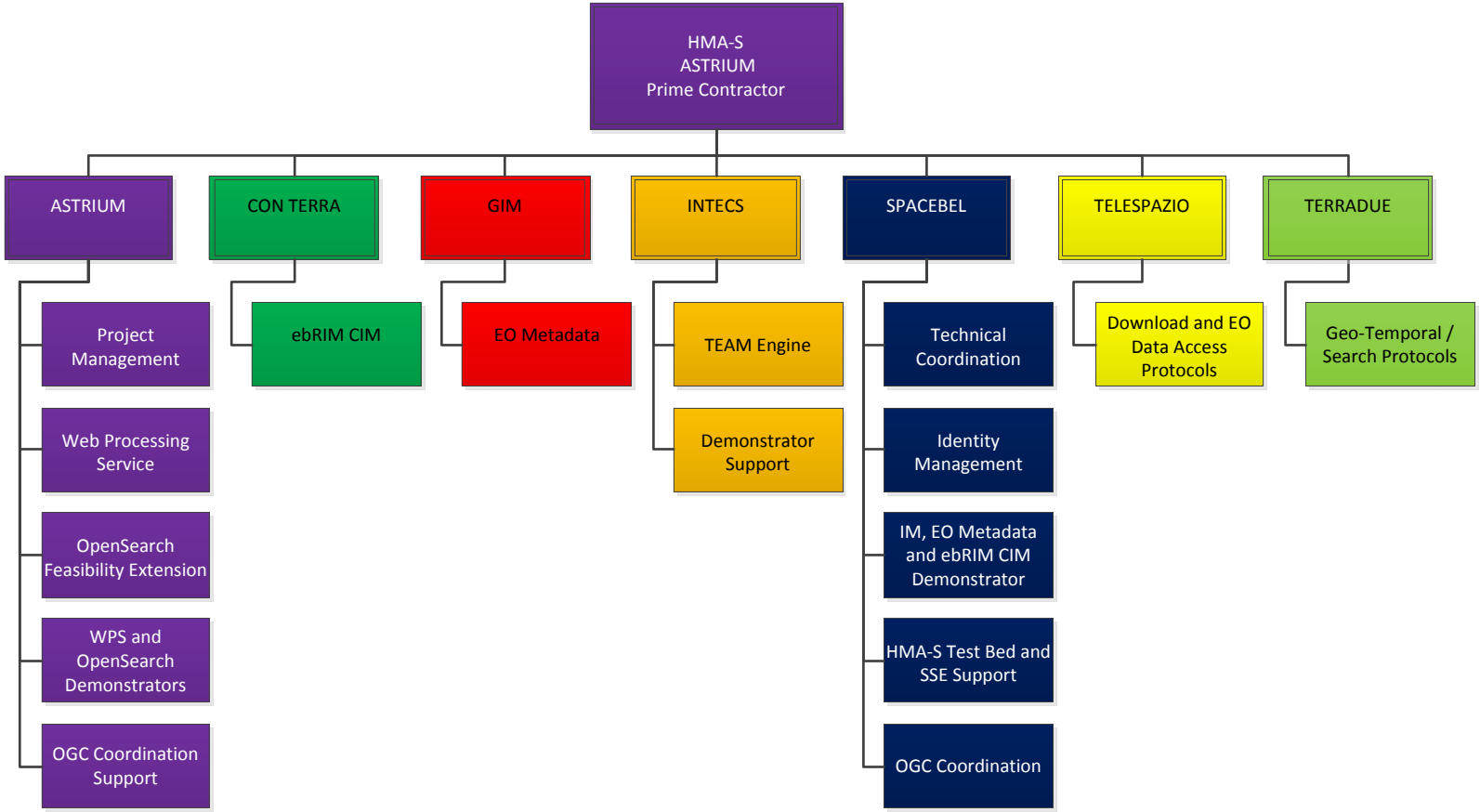
KO Meeting
24 January 2013, ESRIN Frascati

Yves Coene, SPACEBEL
Pierre Denis, SPACEBEL

Overview

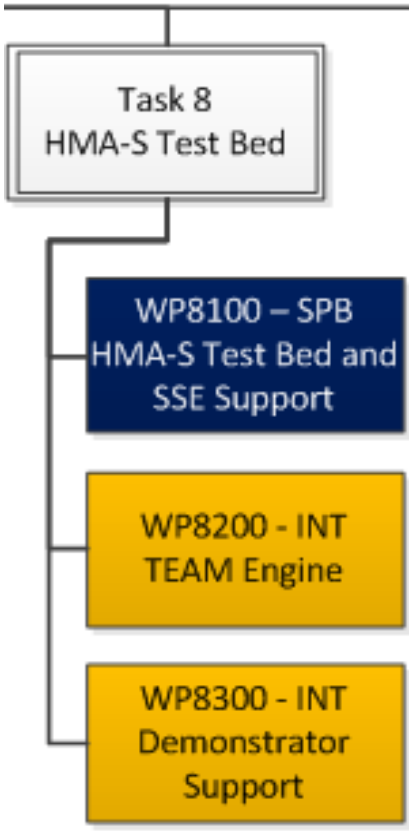
- Specification Activities
  - Task 2: Identity Management
- Demonstrators
  - Task 2: Identity Management
  - Task 3: EO Metadata
  - Task 5: Enhancement ebRIM EP
- Task 8: HMA-S Testbed
- Technical Coordination
  - Task 9: Coordination and harmonisation

Introduction

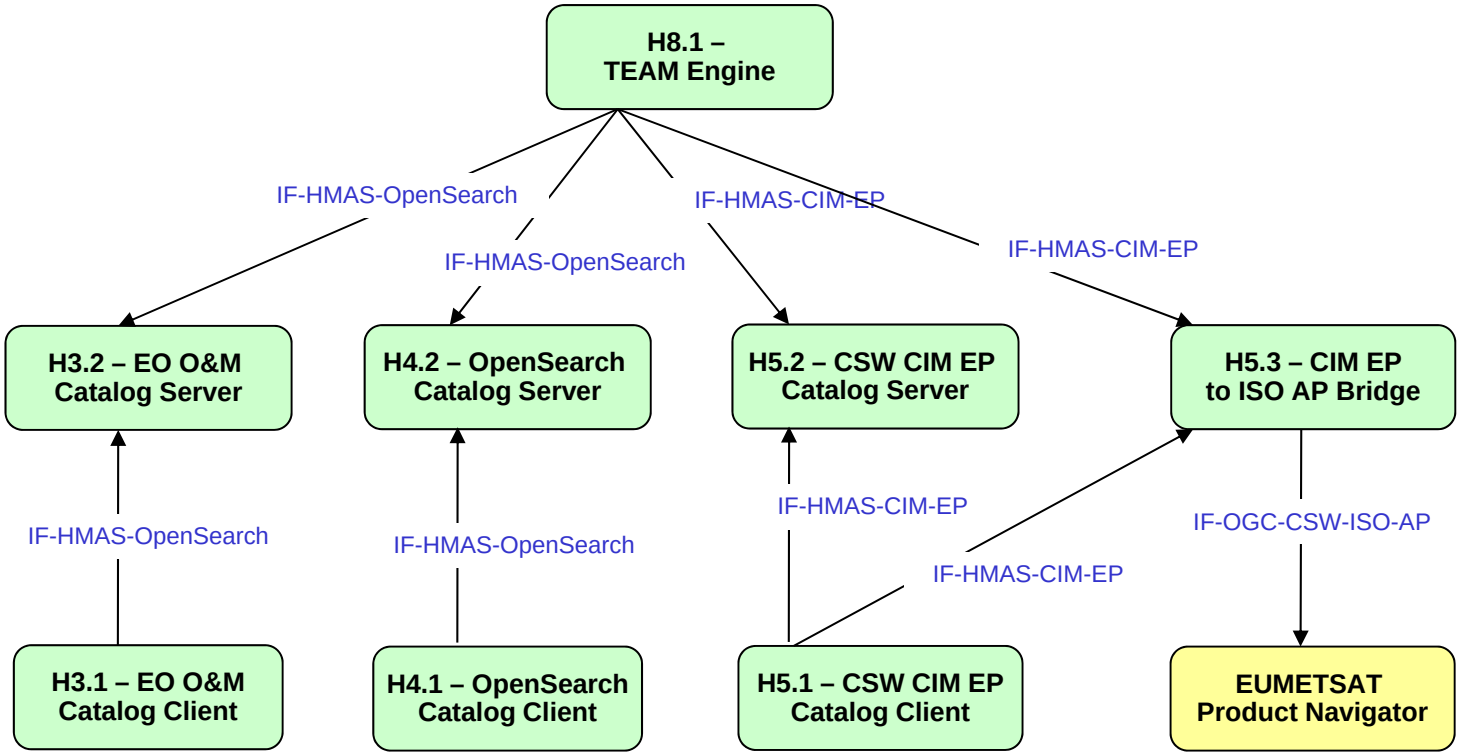


Task 8: HMA-S Testbed

- Task inputs:
  - HMA-S Demonstrators Task 2 to 7 (incl. client and server parts) and Documents
  - HMA-S Demonstrator CTL scripts (ETS)
- Tasks:
  - Define and implement a permanent and coherent HMA-S Testbed.
  - Support integration in SSE Environment.
  - TEAM Engine update (Intecs)

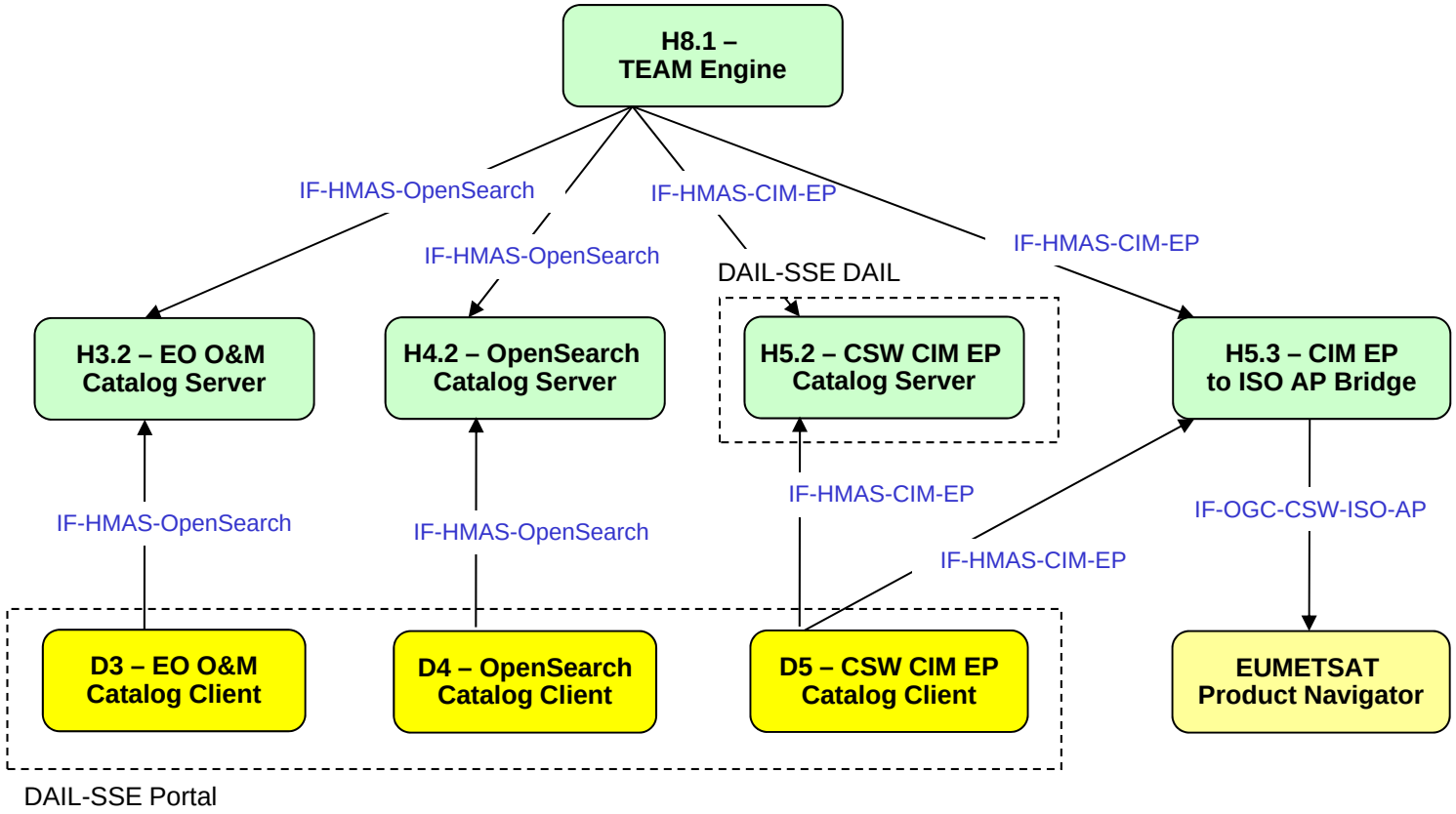


HMA-S Testbed Components*



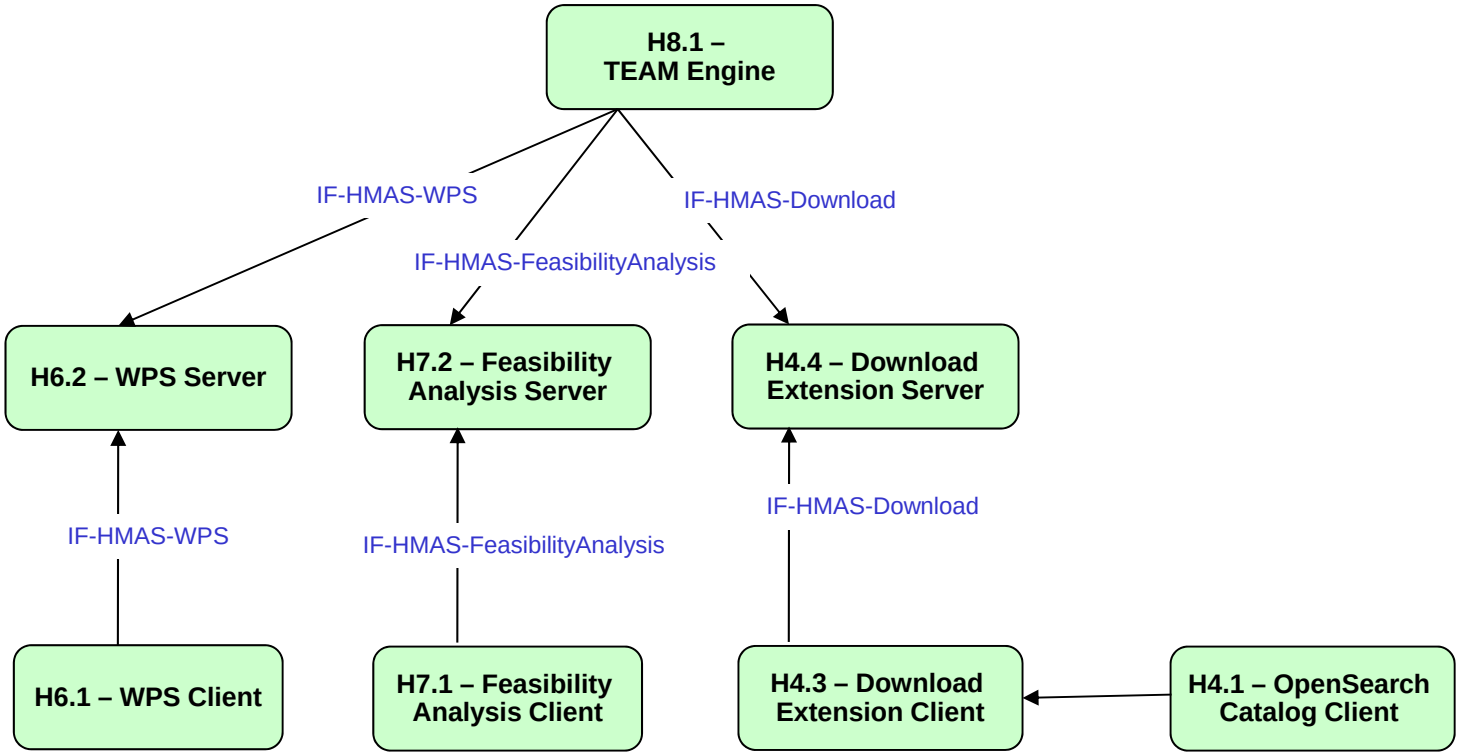
(*) Preliminary component list.

Support integration with DAIL-SSE*



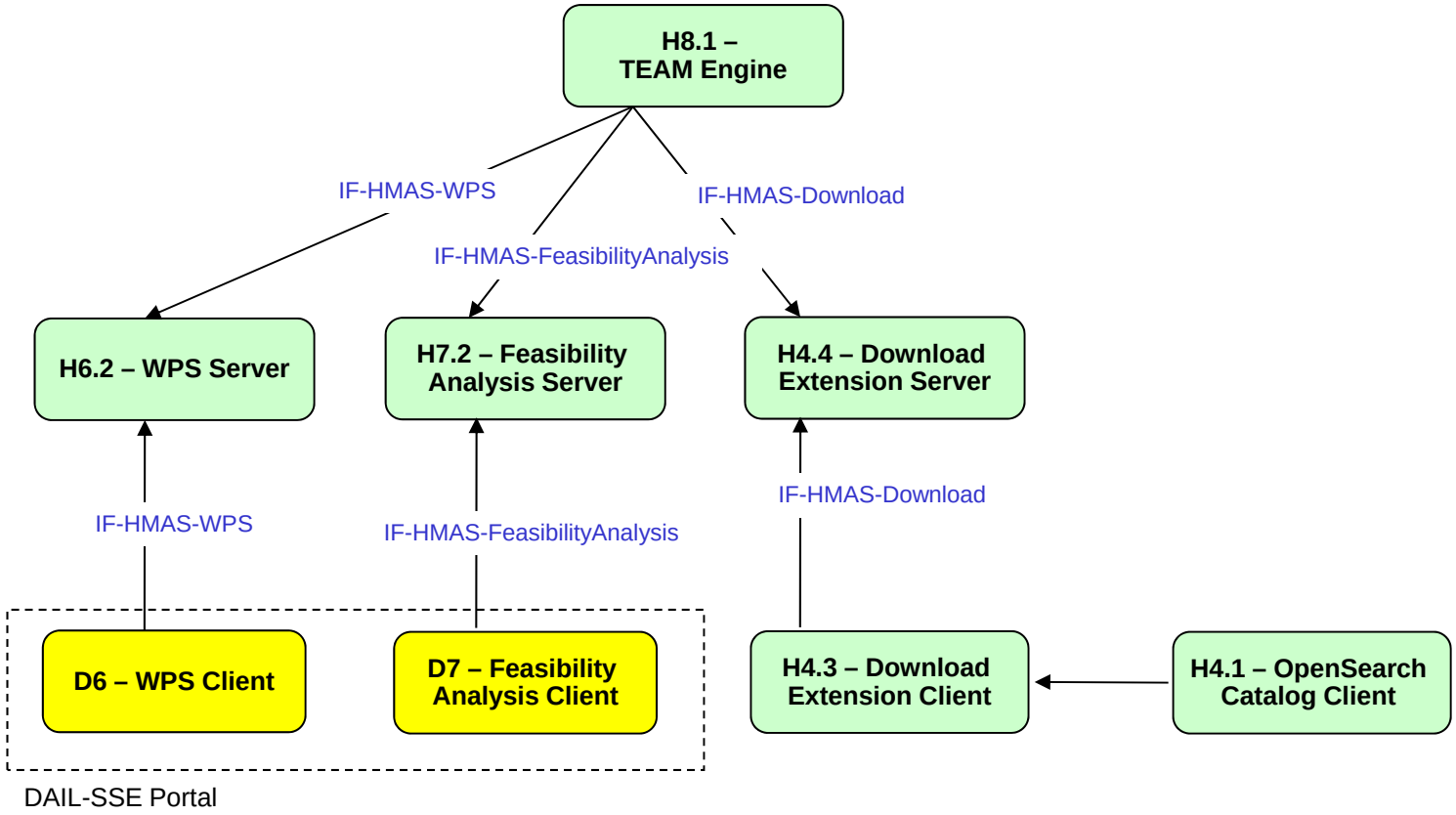
(*) Preliminary component list and integration strategy (i53).

HMA-S Testbed Components*



(*) Preliminary component list.

Support integration with DAIL-SSE*



(*) Preliminary component list and integration strategy (i53).

Task 8: HMA-S Testbed

- Testbed availability options (TBC):
  - As **software download** (binary and/or source), e.g. components grouped by protocol.
  - As preconfigured package (or VM) for download containing above components configured with test metadata and/or data where required.
  - As **on-line environment** deployed at ESRIN where users can access the protocol clients, the TEAM engine to run tests on one of the HMA-S server or an external server.

Task 8: HMA-S Testbed

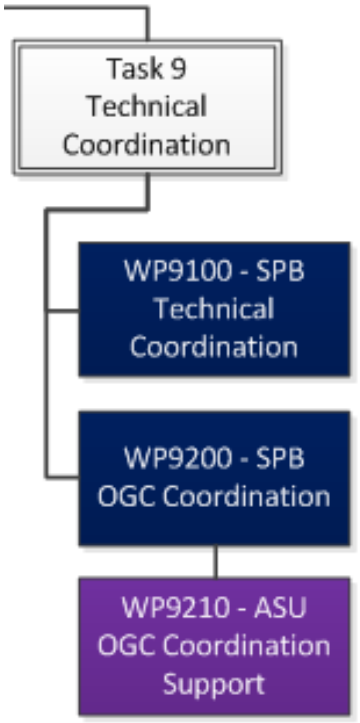
- Peeliminary Use Cases and scenarios
  - Explore client for HMA-S protocol "P" a.k.a. "P client"
    - Access P client in online testbed pointing to P server in online testbed
    - Download P client and P server and install locally with provided test data/metadata.
  - Test local P "client"
    - Point local client to online P server (with preconfigured data)
    - Download and locally install the P server with preconfigured or local data
  - Test local P "server"
    - Access online TEAM engine to run tests against local P server
    - Download P client and install locally to point to local P server
    - Install TEAM engine locally and run downloade ETS scripts

Task 8: HMA-S Testbed

- Outputs:
  - D8000.1: HMA-S Testbed Environment
  - D8000.2: SRS, SDD, SVS
  - D8000.4: Acceptance Test Report

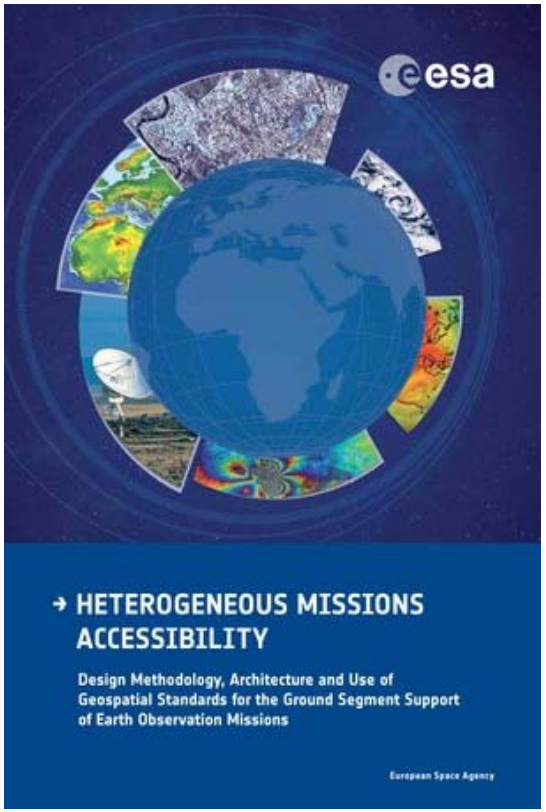
Task 9: Technical Coordination

- Task inputs:
  - Draft Task 2 to 7 HMA-S specifications
  - Versions of HMA-S specifications to be published on pending documents.
  - Inputs for HMA-S presentations for OGC TC
- Spacebel Tasks:
  - Support standardisation tasks inside Consortium and at OGC TC.
  - Plan and report on tests within HMA-S testbed.
  - Review draft specifications and issue coherence RIDs to the HMA-S tasks
  - Identify needs for update of the HMA TM-21 and propose text changes.



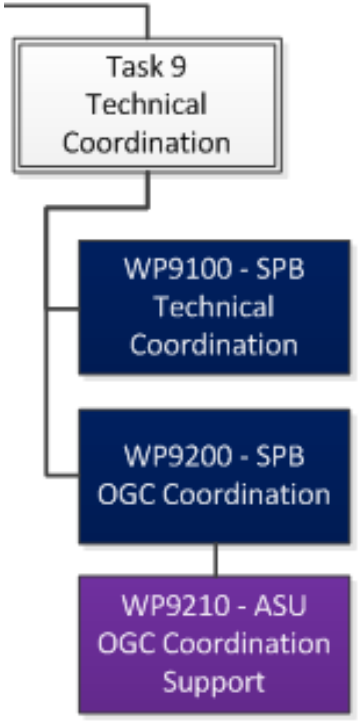
Task 9: Technical Coordination

- Outputs:
  - D9000.1: Coherence RIDs
  - D9000.2: Recommended updates to TM-21
  - Presentations of HMA-S specifications at OGC TC in cooperation with Task Leaders.



Task 9: Technical Coordination

- ASTRIUM Tasks:
  - Monitor GMLJPEG2000 SWG at OGC and propose comments/change requests
  - Monitor public review of Orthoimagery guidelines, propose for ESA consideration comments and change requests
  - Monitor possible standardisation of OpenDAP with OGC
- Outputs:
  - D9000.1: Recommendations and proposed change requests.
  - Presentations of HMA-S specifications at OGC TC in cooperation with Task Leaders.



Task 9: Technical Coordination

- Coordination Topics
  - Coherence of information model and reuse of metadata elements
    - E.g. coherence of parameter names between OpenSearch catalog spec and past HMA catalog specifications, e.g. OGC 06-131 or OGC 10-189.
    - E.g. coherence of download option names (and values/ranges) in OSDD with OGC 06-141 option names and allowed values.
  - Coordination with TEAM Engine modifications in DREAM project.
  - Applicable EOP-G Technical Baseline version AD02 from ESA SOW and Technical Proposal [AD12].
    - Issue 1.2 adopted by DREAM and HMA-SE, Issue 1.0 in current HMA-S Proposal.