

HMA Architecture Working Group meeting

- **Goal:** To pursue our standardization efforts towards the definition of a state-of-the-art Web API that would set the foundations for enabling “cross” infrastructure EO data exploitation scenarios.



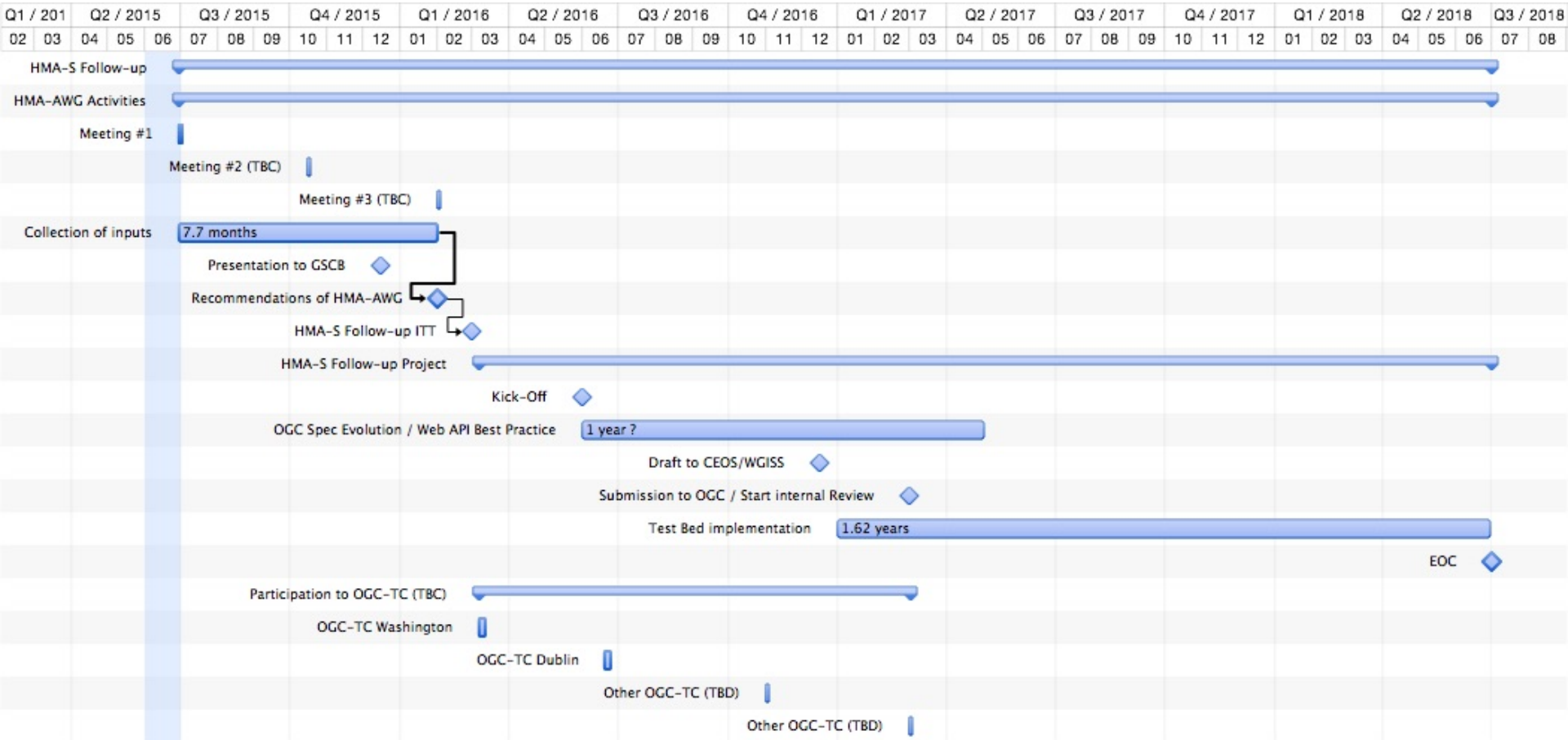
European Space Agency
Agence spatiale européenne



Your contribution is precious !



Schedule Overview



- Propose a simplified and sharable (developer oriented, linked data) representation of the Earth Observation Product (EOP) Data model:
 - ▶ Evolution of OGC 10-157r4 (eop data model)
 - ▶ Evolution of OGC standards based on the eop data model (new bindings)
- Set the foundations of a WEB API that enables interoperability across European EO exploitation platforms and collaborative GS infrastructures
 - ▶ OGC Best Practice (Capitalizing on the CEOS/WGISS OpenSearch Best Practice, extending it to other services (e.g. hosted processing related service)
 - ▶ OGC Open Source Test Bed
 - ▶ Participation in relevant OGC-SW
- Address User Management issues in a WEB API driven collaborative environment:
 - ▶ Federated Authentication and sharing of user profile attributes
 - ▶ Authorization and Accounting
 - ▶ Evolution of Best Practice OGC-07-118r9 ?

- 9:00 Olivier Barois: Introduction
- 9:10 Henri Laur (ESA): ESA's Ground Segment Evolution Strategy
- 9:40 Salvatore Pinto (Rhea: Tech expert for ESA): TEPs architecture, Web API requirements, Evolution of OGC standards
- 10:45 Coffee break
- 11:00 Yves Coenes (Spacebel: Tech expert for ESA): Feedback from OBEOS project, JSON-LD/Linked data, Evolution of OGC standards
- 12:30 Lunch break
- 13:30 Gianluca LURASCHI (EMSA) - via webex: EMSA Context - Topics to further exploit in order to foster interoperability among Earth Observation Systems
- 14:15 Jerome GASPERI (CNES): Web Services in the PEPS infrastructure, future processing service.
- 15:00 Albrecht Schmidt (ESA): Access Control - Federation - relevance of OGC Best practice "OGC User Management Interfaces for Earth Observation Services" (07-118r9)
- 15:45 Jeroen Dries (VITO) – via Webex: Restful services in ESE project - Considerations on WPS and deployment of processing service
- 16:30: All. Wrap-up. First recommendations from HMA-AWG

- At ESRIN:
 - ▶ Jerome Gasperi (CNES)
 - ▶ Salvatore Pinto (Rhea, for ESA)
 - ▶ Albrecht Schmidt (ESA)
 - ▶ Henri Laur (ESA)
 - ▶ Yves Coenes (Spacebel, for ESA)

- Via Webex:
 - ▶ Gianluca Luraschi (EMSA)
 - ▶ Jeroen Dries (VITO)
 - ▶ Stephan Kiemle (DLR)

Counting on Michael Schick/EUMETSAT contribution in future meetings...