

# **Update on HMA-S Document**

## **Approval Status at OGC**

Y. Coene, Spacebel s.a.  
U. Voges, con terra

HMA Architecture Working Group  
Frascati, 20 May 2016

- Status at OGC
  - OGC 10-157r4 – Earth Observation Metadata Profile for O&M
  - OGC 13-026r5 – OpenSearch Extension for Earth Observation

- Approved/voted July 2015
- Not published yet.
  - Monthly "reminders" by HMA-S Partners to OGC since 11/2015
- Last update:
  - "First in publication queue" 18/05/2016.

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## Open Geospatial Consortium

Approval Date: 2014-xx-xx

Publication Date: 2014-xx-xx

External identifier of this OGC® document: <http://www.opengis.net/doc/IS/om-oo-metadata>

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Version: 1.1.0

Category: OpenGIS® Implementation Standard

Editors: Jerome Gasperi, Frédéric Houbie, Andrew Woolf, Steven Smolders

## Earth Observation Metadata profile of Observations & Measurements

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Document type : OGC® Standard  
Document subtype : O&M Application Schema  
Document stage : Candidate  
Document language : English

- Scott Simmons (18/05/2016):
  - RFC ended in 2015
  - Start vote in Dublin TC assuming update published on Pending Documents by 2 June.
- Outstanding RFC comments from DLR being discussed by email.
  - DOI as collection queryable?
  - Publication date as collection queryable?
  - Product Identifier date as Product queryable?
  - Product Version date as Product queryable?

- Update RFC document including DLR comments by U. Voges (con terra) dated "yesterday" 19/05/2016.

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## Open Geospatial Consortium

Date: 2016-05-19

Category: Technical Note

Editor: Pedro Goncalves, Uwe Voges

OGC OpenSearch Extension for Earth Observation (OGC  
13-026)

RFC Comments & Responses

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# OGC OpenSearch Extension for Earth Observation (OGC 13-026)



- **CRS:**
  - DOI as Collection Queryable
  - Publication date as Collection Queryable
  - Product Identifier as Product Queryable
  - Product Version as Product Queryable
  - Availability of OGC 10-157r4
  - Mappings missing for highestLocation, cloudCover, snowCover

# OGC OpenSearch Extension for Earth Observation (OGC 13-026)



- queryables with organization or sometimes spelled organizationRole (z), and elsewhere with as organisationName "s".
- eo:frame and eo:track queryables in the specification are currently (in r6) identified as being "integer"
- **To discuss: OpenSearch EOP recordSchema parameter (Issue #999)**
  - O&M metadata (eop:Earth Observation) or ISO (gmi:MI\_Metadata) are optional elements in an atom:entry
  - gmd:MD\_Metadata should be added as well
    - ESA fedEO already uses "recordSchema=iso" within a request (sru:recordSchema).
    - recordSchema parameter is not yet standardized, right ?
      - I guess it should have values like:
      - "eop:EarthObservation", "gmi:MI\_Metadata", "gmd:MD\_Metadata" European Space Agency



- Or (better) the namespaces ?  
<http://www.opengis.net/eop/2.1>, <http://www.isotc211.org/2005/gmi>, <http://www.isotc211.org/2005/gmd>
- **To discuss: OpenSearch EOP „Modified“ (Item #1000)**
  - Does it make sense to have a Modified queryable in OpenSearch ?
    - Return all metadata changed after dateXYZ....
    - Important for harvesting purposes