



# **Web Coverage Service (WCS) Standardisation Status**

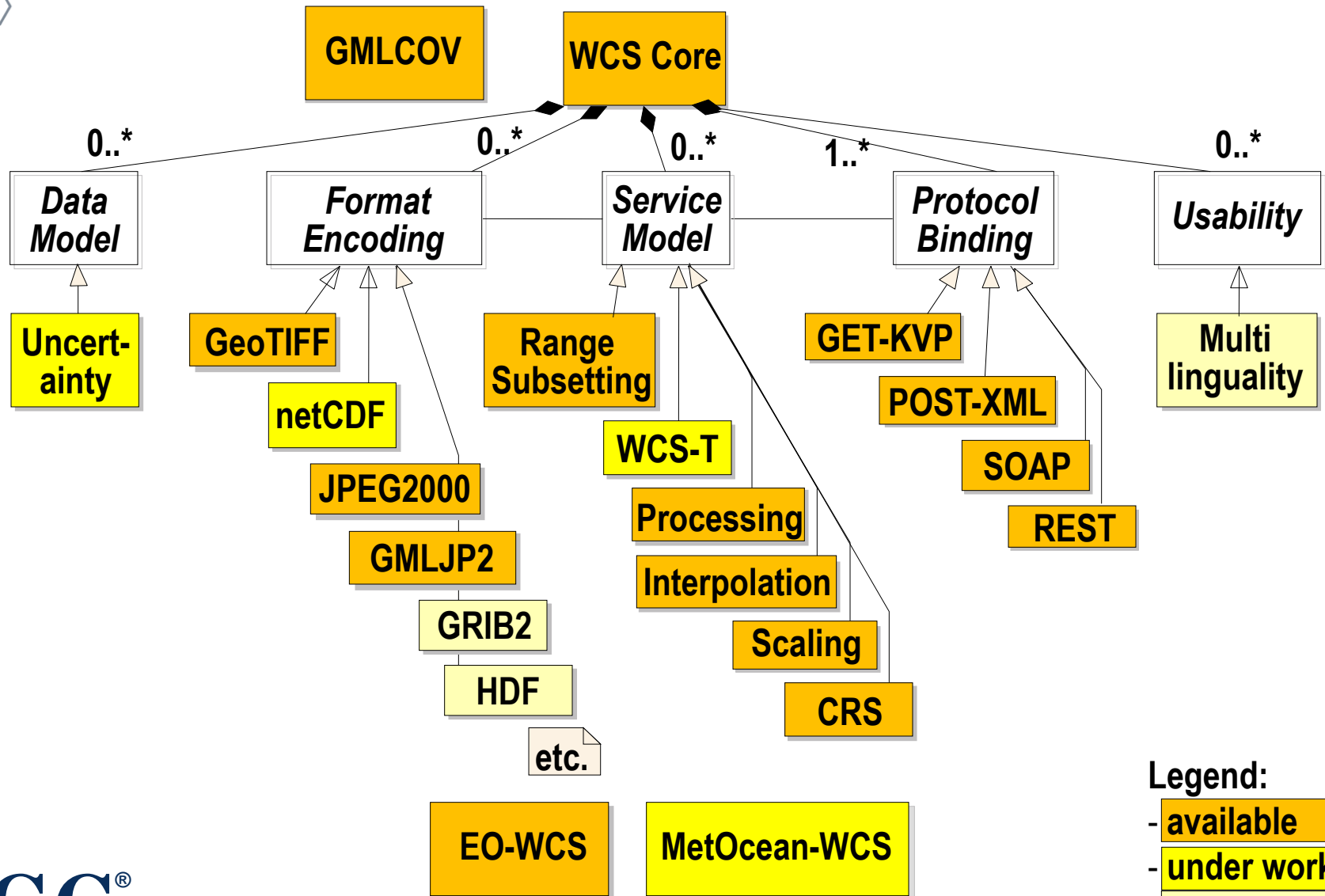
HMA AWG Meeting  
Peter Baumann, Stephan Meissl  
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# Coverages in OGC



- Unified **Coverage Data Model**: aka „GMLCOV“  
[GML 3.2.1 Application Schema Coverages, 1.0.1 \[09-146r2\]](#)
  - Independent from WCS, can be served through SOS, WPS, too
  - Encoding in GML, GeoTIFF, NetCDF, JPEG2000, GMLJP2, ...
  - Concrete, **interoperable** definition  
(note: ISO 19123 is abstract → not interoperable per se!)
  
- **Coverage Service Model**:  
[Web Coverage Service – Core, 2.0.1 \[09-110r4\]](#)
  - Modular, simple, scalable from simple subsetting to ad-hoc processing
  - High-performance parallelizing implementations available

# WCS Core, Extensions, App'Profiles: Status





# CITE Testing Status



## ATSS:

- Done:
  - Range subsetting
  - Scaling
  - Interpolation
  - CRS
  - Processing
  - GeoTIFF
- Started:
  - JPEG2000
  - NetCDF

## ETSS (available in new TEAM Engine v4):

- GMLCOV Corrigendum
- WCS Core Corrigendum
- WCS CRS Extension
- EO-WCS
- 5+ known open-source implementations of WCS
  - **Branding** can start

**cf. OWS-9 WCS CITE Engineering Report [12-162r1]**