

OGC overview

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The world's leading and comprehensive
community of experts making location information:



Findable



Accessible



Interoperable



Reusable



OGC[®]



Members

Mission

Approach

Open Standards
Best Practices
Proof of Concepts

Products

OGC Standards High-Level Overview

12 : 45 : 87
FEB - 05 - 3254
167 78 894

Data Models and Encodings

Domain-specific

- CityGML
- CityJSON
- IndoorGML
- IMDF (Indoor Mapping Data Format)
- LandInfra / InfraGML
- PipelineML
- ARML (Augmented Reality ML)
- GUF (Geospatial User Feedback)
- GeoSciML
- WaterML
- TimeSeriesML
- LAS

General

- Simple Features
- GML (Geography Markup Lang.)
- KML
- Moving Features
- OpenGeoSMS
- GeoXACML
- GeoTIFF
- CRS WKT
- Filter Encoding
- GMLJP2
- 2D Tile Matrix Set
- O&M (Observations & Meas.)
- Time Ontology on OWL
- SLD (Styled Layer Descriptor)
- Symbology Encoding
- Symbology Core

Discovery

- CSW
- OpenSearch Geo
- GeoSPARQL
- OpenSearch for EO
- Catalogue extension for ebRIM
- Ordering Services for EO

Containers

- CDB
- GeoPackage
- netCDF
- HDF5

PubSub, Syndication, and Context

- PubSub
- GeoRSS
- OWS Context

Services and APIs

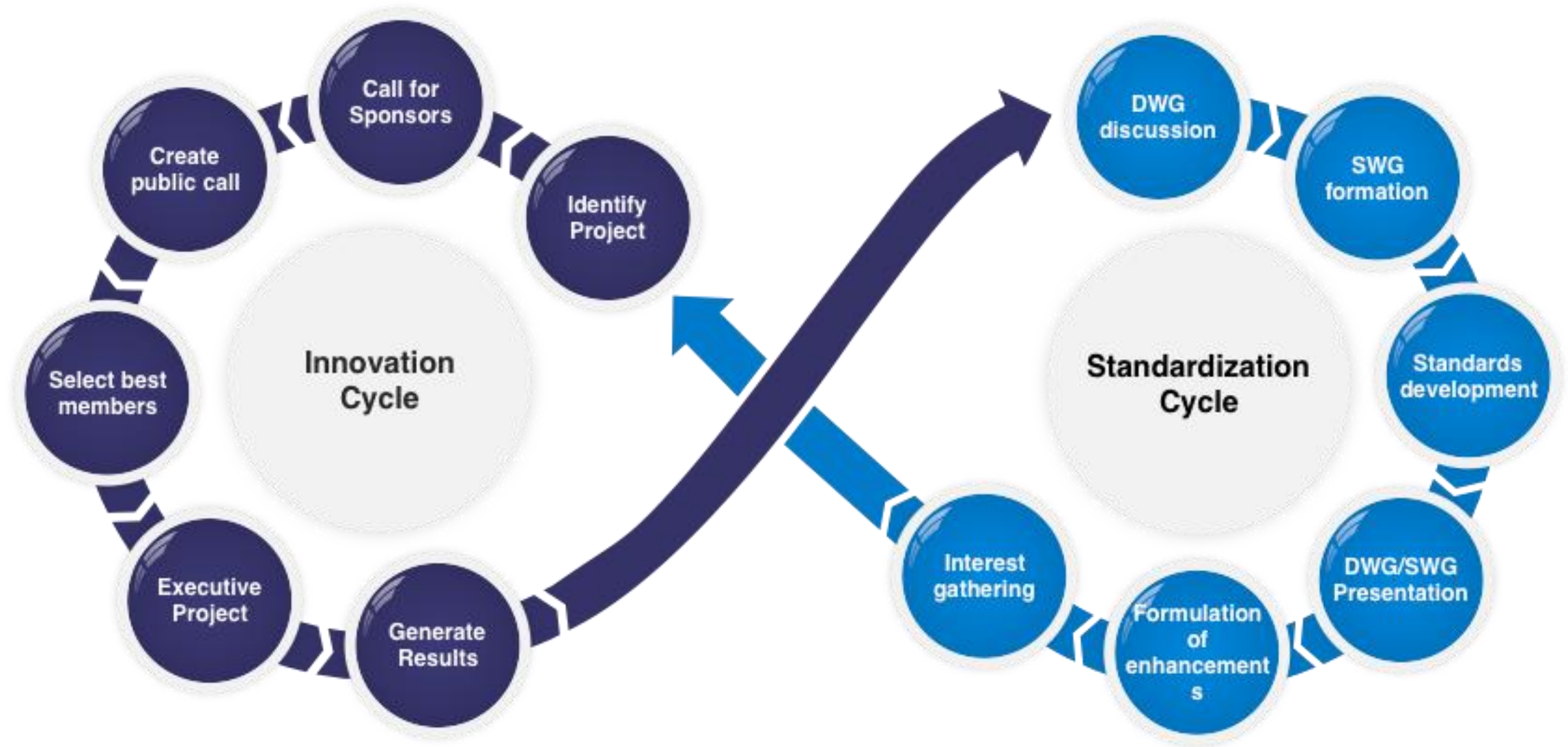
- OGC APIs
- WMS (Web Map Service)
- WMTS (Web Map Tile Service)
- 3DPS (3D Portrayal Service)
- OpenMI
- WFS (Web Feature Service)
- WCS (Web Coverage Service)
- OWS Common
- OpenLS
- WPS (Web Processing Service)
- WCPS (Web Coverage Processing)
- Web Services Security
- GeoAPI
- I3S (Indexed 3D Scene Layers)
- 3D Tiles
- TJS (Table Joining Service)

Sensors

- SensorThings API
- SensorML
- SWE Common (Sensor Web Enablement)
- SOS (Sensor Observation Service)
- SPS (Sensor Planning Service)
- PUCK
- Semantic Sensor Network Ontology

Abstract Specification







Location Information in Natural Disaster Situations OGC





Collective problem solving

Standards,
Best Practices,
Proof of
Concepts

Applied Science
& Technology

Findable,
Accessible,
Interoperable,
Reusable
(FAIR)

Communities
& X-
Community
Exchange



If you want to go fast,
go alone!

If you want to go far,
go together!

African Proverb

OGC

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DATA A
RT : IPR - 1 S
GT : IJK - 56 K
HU : CI.4 - 1 D
IT - IM - 0 B

A _____
B _____
C _____
D _____

[5H]
24.67 - 87 A4

H - 11 - 784 - 8946
X - 52 | Y - 14 | Z - 27
48N 21E - - 31.53

3974

Thank You!

Community

- 500+ International Members
- 110+ Member Meetings
- 60+ Alliance and Liaison partners
- 50+ Standards Working Groups
- 45+ Domain Working Groups
- 25+ Years of Not for Profit Work
- 10+ Regional and Country Forums

Innovation

- 120+ Innovation Initiatives
- 380+ Technical reports
- Quarterly Tech Trends monitoring

Standards

- 65+ Adopted Standards
- 300+ products with 1000+ certified implementations
- 1,700,000+ Operational Data Sets Using OGC Standards

Contact info@ogc.org to schedule a meeting for an in-depth discussion with OGC staff and join our community today!



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KL - IT - 3678 - 986