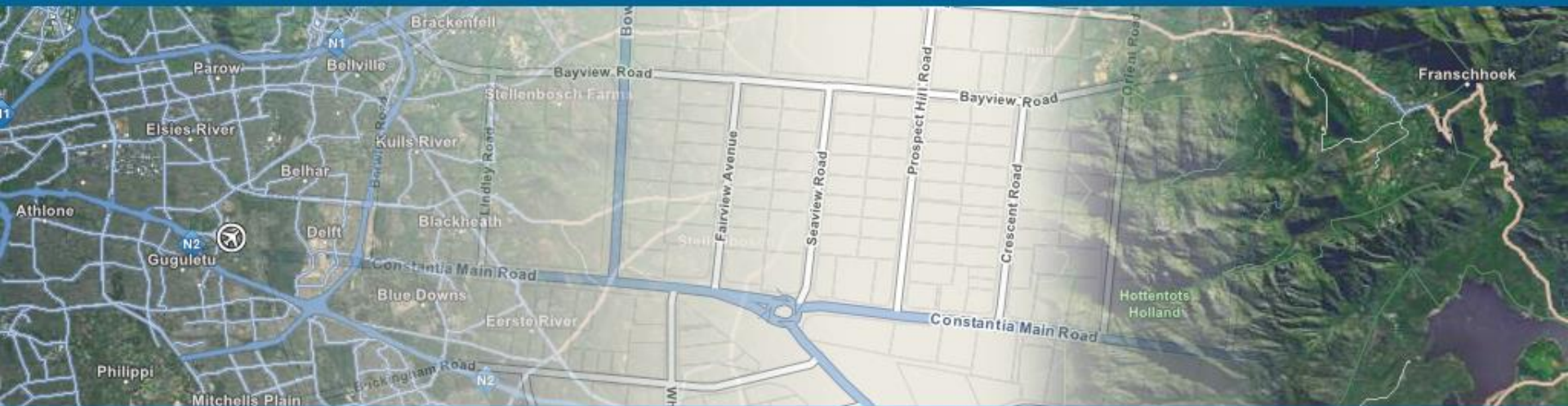


Summary of second half 2021 OGC Activities

Report to the 53rd Plenary of ISO/TC 211, Virtual
Scott Simmons, OGC



2021 second half in one slide

- 6 Standards approved
- 1 Best Practice approved
- 1 Engineering Report approved
- 3 new Working Groups

Standards approved since June meeting

- OGC 18-062r1 : OGC API - Processes - Part 1: Core
- OGC 16-083r8 : OGC Coverage Implementation Schema ReferenceableGridCoverage Extension v.1.1
- OGC 17-014r8 : Indexed 3d Scene Layer (I3S) and Scene Layer Package Format Specification version 1.2 Community standard
- OGC 21-011r3 Simple Features 2021
- OGC 17-066r2 GeoPackage Extension for Tiled Gridded Coverage Data 1.1
- OGC 19-072r1 OGC API - Common - Part 1: Core

Best and Community Practices approved since June meeting

- OGC 20-089r1 Best Practice for Earth Observation Application Package

Engineering Reports published since June meeting

- OGC 20-058: Interoperable Simulation and Gaming Sprint Year 2 Engineering Report

Working Groups initiated since June meeting

- Training Data Markup Language for AI/ML SWG
- 3D GeoVolumes SWG
- Planetary DWG

Technical / Planning Committee Meetings

Date	Location	Host/Sponsor
14-18 June 2021	Virtual	
13-16 September 2021	Virtual	Singapore Land Authority
6 – 10 December 2021	Virtual	
March 2022	West Coast USA (TBD)	
June 2022	Europe (TBD)	
September 2022	Singapore	Singapore Land Authority
December 2022 Innovation Meeting	TBD	

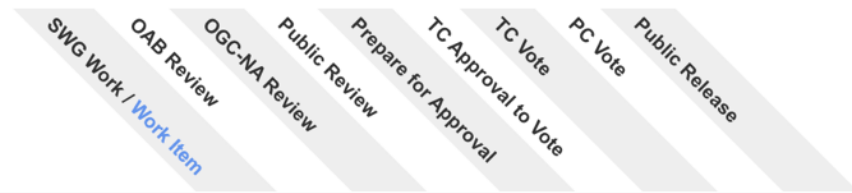
<https://www.ogc.org/roadmap>

OGC Standards Roadmap

OGC Standards Roadmap

Progress of Official OGC Standards **OGC** & **Community Standards** **Community** 2021-11-23

Show Previously Completed Standards



Proposed Standards

	SWG Work / Work Item	OAB Review	OGC-NA Review	Public Review	Prepare for Approval	TC Approval to Vote	TC Vote	PC Vote	Public Release
OGC Abstract Spec Topic 20 - Observations, Measurements and Samples 20-082	✓48d	✓49d	✓7d	✓32d	🕒309d				
OGC Abstract Spec Topic 21 - DGGS v. 2.0 20-040	✓161d	✓15d	✓154d	✓66d	✓98d	✓	✓50d	✓16d	✓220d
OGC Abstract Spec Topic 6 - Schema for coverage geometry and functions	🕒515d								
OGC CDB 2.0	🕒1139d								
OGC CityGML 3.0	✓768d	✓7d	✓21d	✓64d	✓72d	✓	✓52d	✓15d	✓104d
Community CityJSON	✓5d	✓36d	✓43d	✓151d	✓48d	✓	✓50d	✓16d	✓74d
OGC Common Object Model Container SWG	🕒1135d								
OGC Coverage Implementation Schema - ReferenceableGridCoverage Extension 1.1 16-083r6	✓94d	✓39d	✓63d	✓155d	✓58d	✓14d	✓135d	🕒58d	
OGC GeoAPI 09-083r4	🕒735d								
OGC GeoPose	✓251d	✓33d	✓13d	🕒56d					
Community Indexed 3D Scene Layers (I3S) 1.2 17-014r8	✓57d	✓36d	✓142d	✓66d	✓35d	✓14d	🕒81d		
OGC OGC API - Common 19-072	✓3d	✓32d	✓112d	✓74d	✓541d	✓	🕒64d		
OGC OGC API - Coverages	🕒565d								
OGC OGC API - Environmental Data Retrieval 19-086	✓226d	✓245d	✓113d	✓60d	✓76d	✓	✓87d	✓22d	✓136d
OGC OGC API - Features - Part 3: Filtering and the Common Query Language (CQL) 19-079	✓167d	✓20d	🕒315d	✓97d	🕒218d				
OGC OGC API - Features - Part 4: Create, Replace, Update and Delete 20-002	🕒502d								
OGC OGC API - Features - Part 5: OpenAPI 3.1	🕒502d								
OGC OGC API - Maps	🕒565d								
OGC OGC API - Processes	✓25d	✓14d	✓169d	✓124d	✓244d	✓	✓50d	✓16d	🕒92d
OGC OGC API - Records	🕒565d								
OGC OGC API - Styles	🕒565d								
OGC OGC API - Tiles	🕒565d								
OGC SensorThings API 1.1 - Part 1 18-088	✓	✓	✓28d	✓67d	✓76d	✓	✓51d	✓18d	✓251d
OGC TimeseriesML 1.3 15-042r6	✓27d	✓28d	✓13d	✓80d	✓231d	✓14d	✓51d	✓17d	🕒301d
Community Zarr	✓49d	✓25d	✓157d	✓94d	🕒117d				

Sprints

By the numbers

- 5 Sprints
- 367 participants
- 10+ Standards exercised

OGC API Virtual Code Sprint November 2021



Open
Geospatial
Consortium



Focus on OGC API – Features / ISO 19168

interactive instruments

Historical Country Boundaries

Core territories of the given country, excluding colonies and other dependent territories, between the start and end date.

Filter

« < 1 2 3 4 5 > »

Guyana

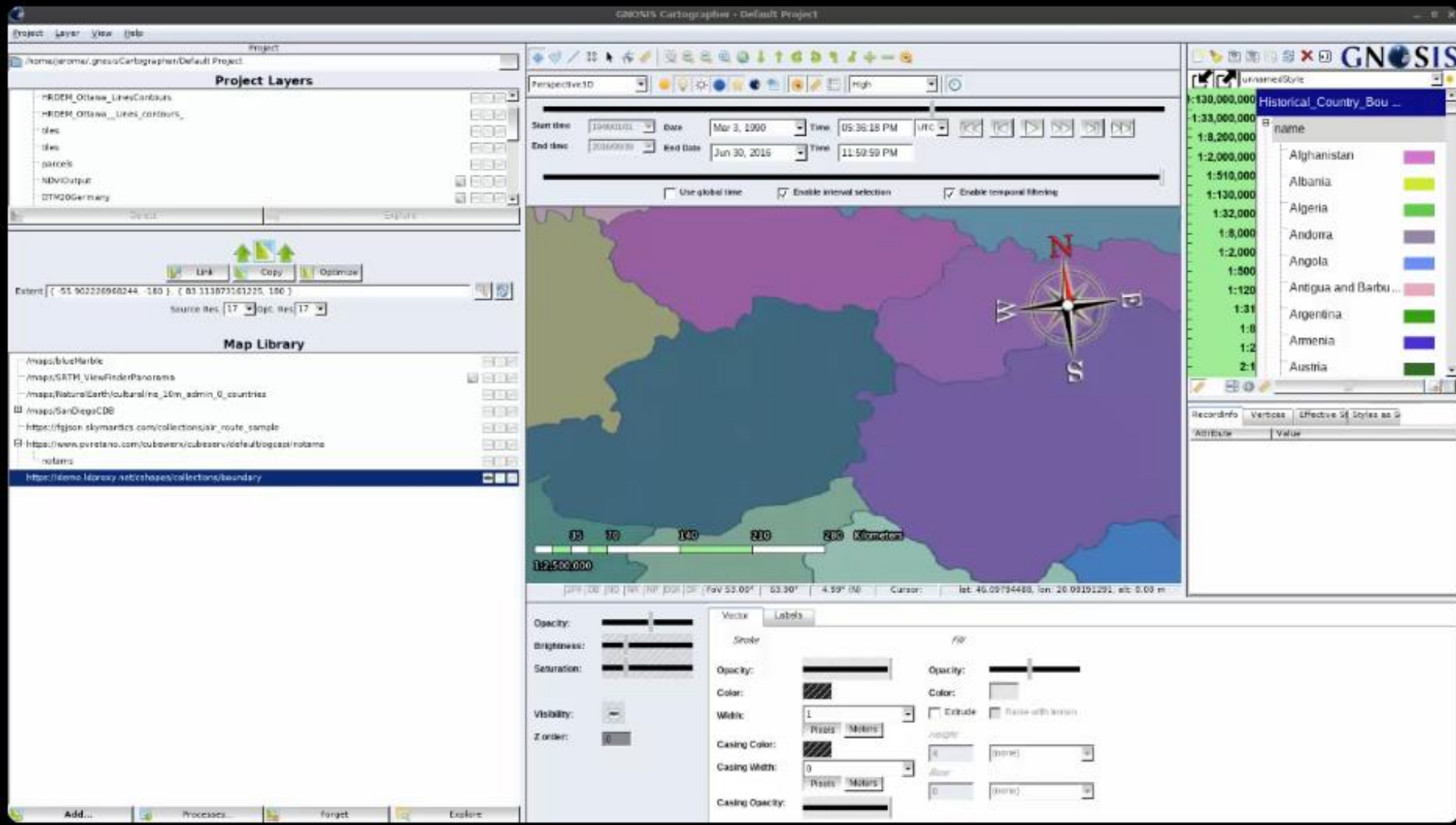
Unique identifier	0
Country name	Guyana
Area (km ²)	211982.004988000001
Country capital	Georgetown
Longitude of the capital	-58.2000000
Latitude of the capital	6.8000000
Correlates of War identifier	110
Start date	26/05/1966
End date	30/06/2016
ISO 3166 country name	Guyana
ISO 3166-1 numerical code	328
ISO 3166-1 Alpha2 code	GY
ISO 3166-1 Alpha3 code	GUY

Suriname

Unique identifier	1
Country name	Suriname
Area (km ²)	145952.274028999993
Country capital	Paramaribo
Longitude of the capital	-55.2000000
Latitude of the capital	5.8333330
Correlates of War identifier	115
Start date	25/11/1975

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- The participants made the following recommendations for future work.
- **Innovation Program**
 - About delivering MUDDI data using OGC API – Features and JSON-FG
 - Development of a draft specifications for new capabilities being considered for future versions.
 - Implementations of the new capabilities being considered for future extensions: Common Query Language (CQL), CRUD (Create Replace Update Delete), property selection, OpenAPI 3.1, conditional requests, web caching.
 - Security for OGC API Standards Pilot (this could involve the different levels of security e.g. DCS, OpenAPI). This could be a good combination with the CRUD extension.
 - Further code generation tasks in future code sprints.
- **Standards Program**
 - Completing CQL
 - Further alignment between STAC and OGC API - Records
 - There's a vote on going in ISO for Part 2. So there may be an opportunity to do some event in the SP once ISO 19168-2 has been approved.

Questions