



Open
Geospatial
Consortium

Open Standards Code Sprint

#Day 0 – Pre-event webinar

12th October, 2023





What is OGC?

A hub for thought leadership, innovation, and standards for all things related to location

Our Vision

Building the future of location with community
and technology for the good of society

Our Mission

Make location information Findable, Accessible,
Interoperable, and Reusable (FAIR)

Our Approach

A proven collaborative and agile process combining consensus-based
standards, innovation project, and partnership building

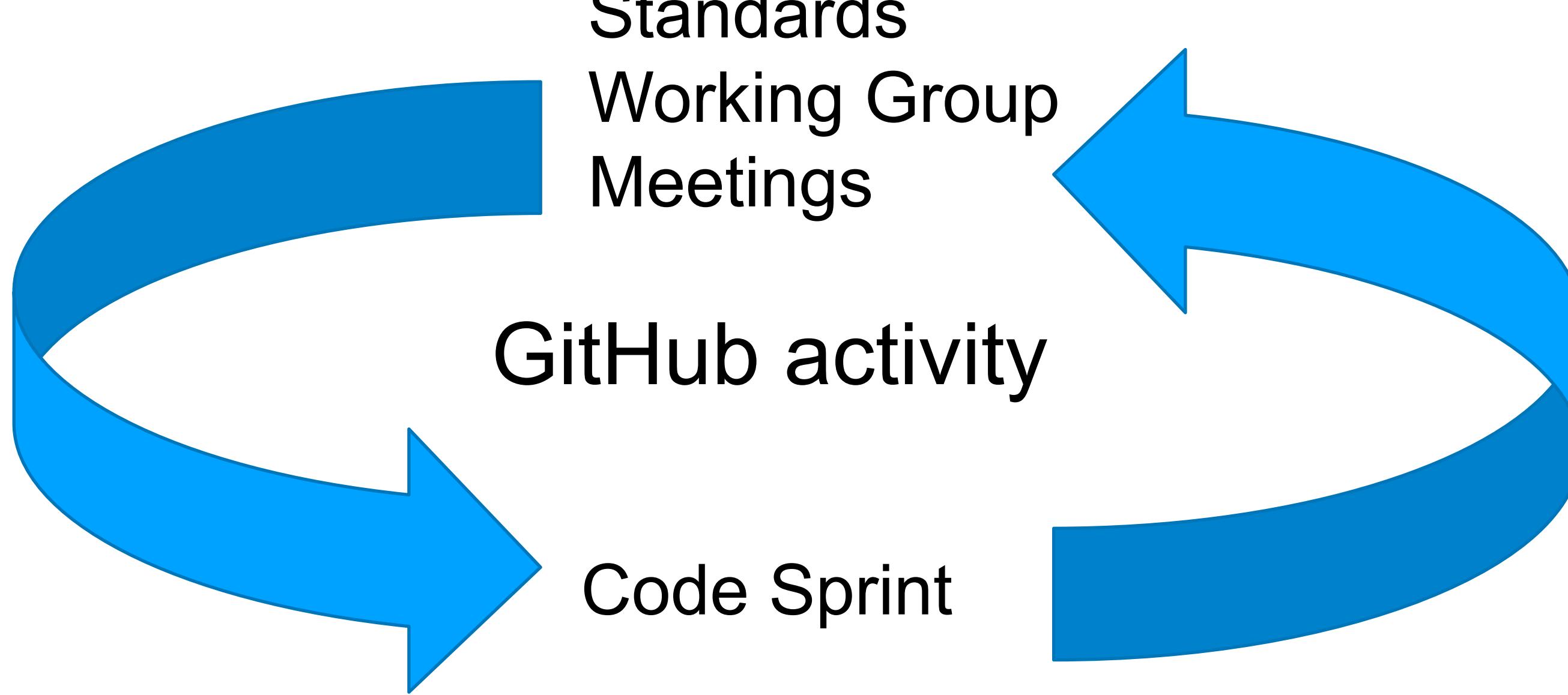
Some advantages of adopting OGC Standards

- Server side: enable a wide range of clients to consume services (e.g.: no need to create custom clients).
- Client side: being able to consume services from a wide range of servers (e.g.: add support to more sources with minimal coding).
- More data access, less coding.



Image generated with DALL.E 2 :<https://openai.com/dall-e-2/>

OGC Code Sprints



- Support the development of the standards.
- Support the development of implementations of the standards.
- Create awareness about the standards.

October, 30:
Onboarding Day

Open Standards Code Sprint

Open to All OGC standards:

- OGC API - Tiles, Records, Processes, DGGS, Maps, Coverages, EDR, Features
- Sensor Things API
- GeoPose
- CDB
- JSON-FG
- Styles & Symbology
- MUDDI



Thank You!

Gold-level Sponsor:



Ordnance Survey

Silver-level Sponsors:



EUROPEAN UNION
SATELLITE CENTRE

Analysis for decision making



More Information

GitHub repo:

<https://github.com/opengeospatial/developer-events/>

Folder ➡️ 2023/Open-Standards-Code-Sprint

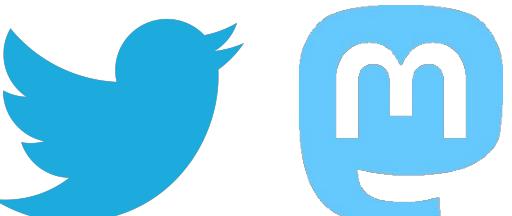
Wiki page:

<https://github.com/opengeospatial/developer-events/wiki/October-2023-Open-Standards-Code-Sprint>

Developer website:

<https://developer.ogc.org/>

Hashtags: #CODESPRINT22 #OGCAPI



#71

The screenshot shows a GitHub issue page for the repository `opengeospatial / developer-events`. The issue is titled "What is everybody going to be working on at the Open Standards Sprint? #71". It is an open issue with 1 comment. The issue was opened by `doublebyte1` on Jul 19, 2022, with 5 comments. The issue body contains a comment from `doublebyte1` asking for others to post their work plans. A comment from `joanma747` follows, proposing a use case for STAplus involving electric buses and air quality sensors.

What is everybody going to be working on at the Open Standards Sprint? #71

Open doublebyte1 opened this issue on Jul 19 · 5 comments

doublebyte1 commented on Jul 19

Post a comment letting us know what you are going to be working on :-)

joanma747 commented on Jul 20 · edited

We would like to propose a STAplus use case that allows for restricted data sharing based on a business contract. The storyline of the use cases goes as follows:

A bus company in Milan has a new set of electric buses to operate and partially replace diesel buses. The DPD courier company has a fleet of vans that mount air quality sensors. This data is stored in a STAplus (Party=DPD) as non-validated. Anonymous users can only get access to validated data released with some delay. In the AirQuality data space the bus company contracts the DPD to share the data in real time with the bus company in exchange for money. This data is used to create operational routes for electric buses in the areas that are more polluted. The bus company can use other sources of AirQuality "for free" as citizen science data according to the licences (without any contract).

Assignees
No one assigned

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
No branches or pull requests

Agenda

- Overview of OGC Standards (10 mins) - Gobe Hobona
- Introduction to MUDDI and NUAR (15 mins) - Neil Brammall
- Introduction to the NGIIS GIMI Profile (20 mins) - Joe Stufflebeam
- Q&A
- (Optional) Discussion on GIMI Profile (up to 1 hour) - Joe Stufflebeam

Overview of OGC Standards

An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is covered in patches of white snow, likely a winter scene. In the distance, a range of mountains with snow-capped peaks is visible. The sky above is a clear, pale blue. The overall image has a slightly hazy, atmospheric quality typical of air travel.

Introduction to MUDDI and NUAR

An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is predominantly white and blue, indicating a mix of snow-covered ground and water bodies like lakes or rivers. In the distance, there are dark, snow-capped mountain peaks. The sky above is a clear, pale blue. The overall scene suggests a cold, possibly Arctic or alpine region viewed from high altitude.

Introduction to the NGIIS GIMI Profile

An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is covered in patches of white snow and green vegetation. In the distance, a range of mountains with snow-capped peaks is visible under a clear blue sky. The perspective is looking down at the earth from a high altitude.



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



Questions?



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Discussion on GIMI Profile

