



Open
Geospatial
Consortium

Metadata Code Sprint

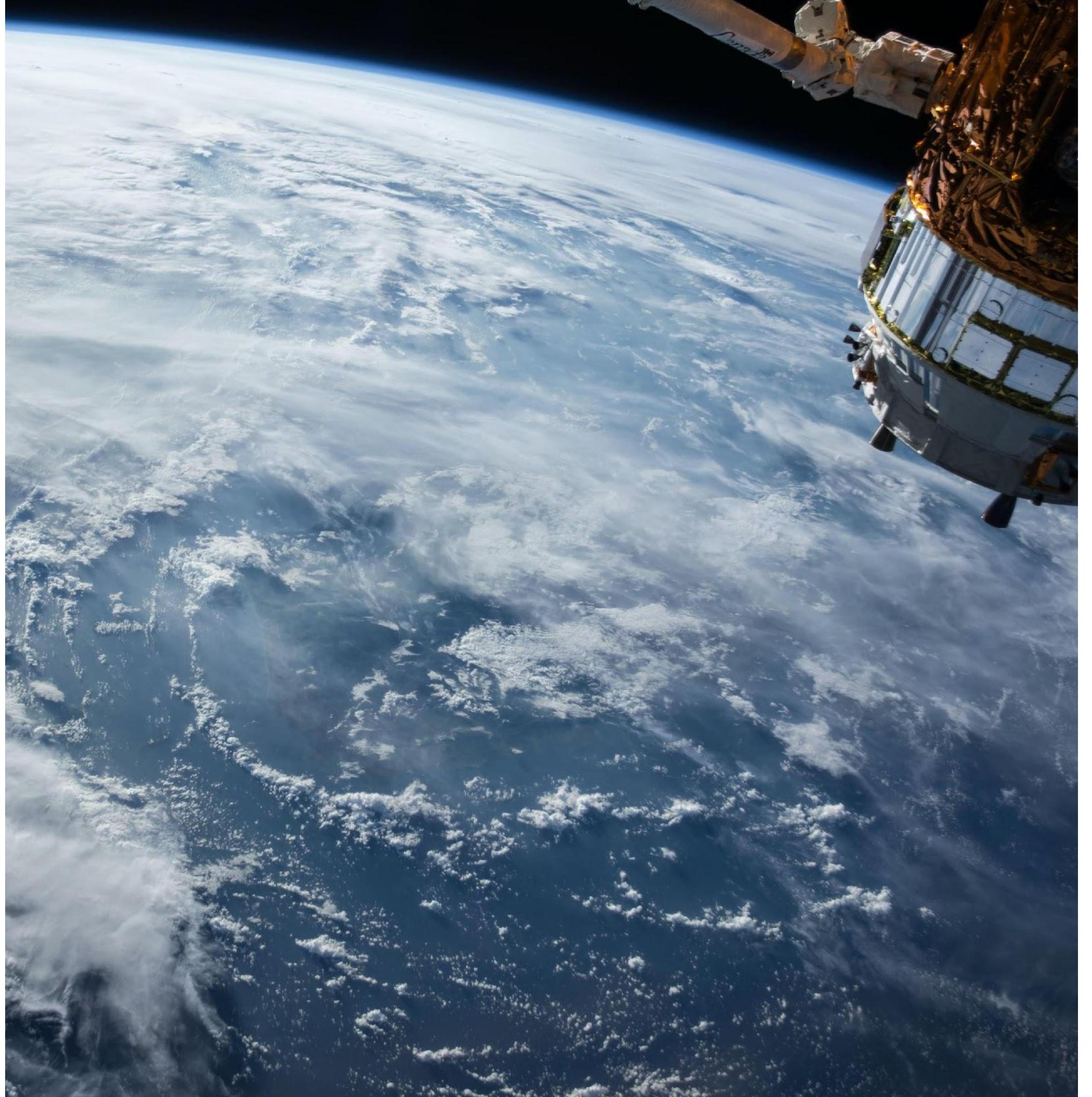
Pre-event webinar

14-16th September, 2022



Agenda

- Welcome Remarks
- Overview of OGC API - Records
- Overview of STAC API
- Overview of ISO 19115
- Overview of JSON-FG
- Q&A



Welcome 🙌

Metadata Code Sprint (14th-16th September)

A **Code Sprint** is a collaborative and inclusive event to support the development of new applications and open standards, as well as creating awareness about the standards.

Brought to you by:



Open
Geospatial
Consortium





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

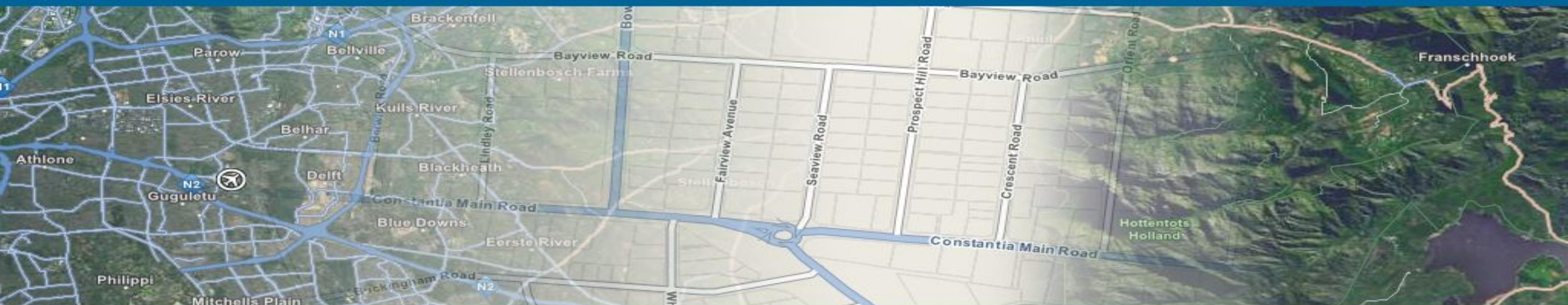
Make location information Findable, Accessible,
Interoperable, and Reusable (FAIR)

Our Approach

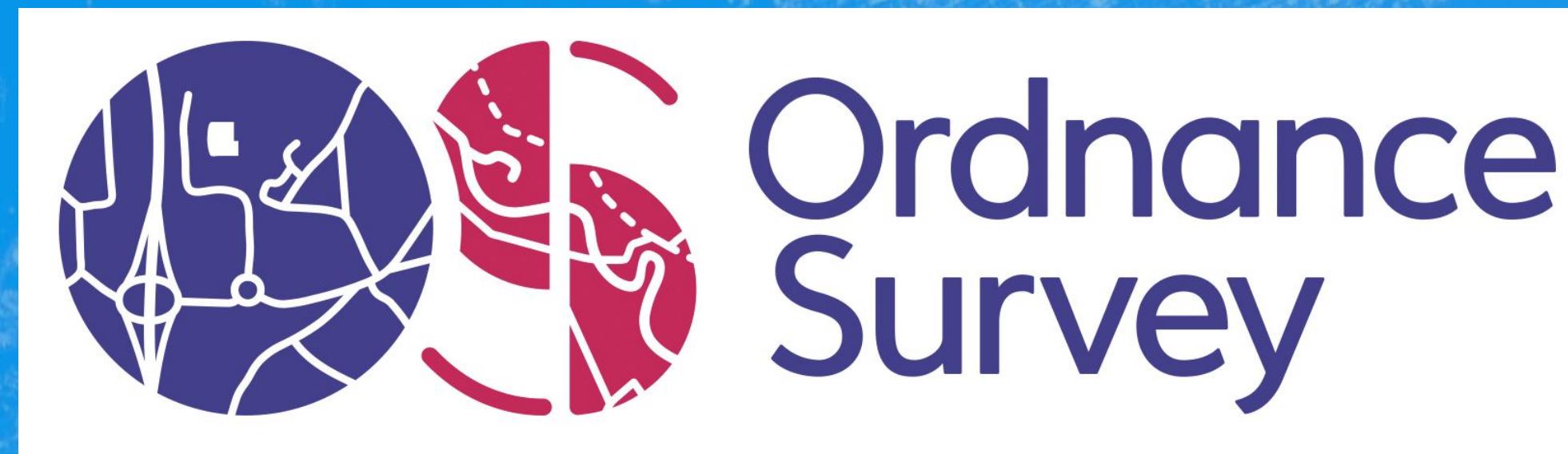
A proven collaborative and agile process combining consensus-based
standards, innovation project, and partnership building

ISO/TC 211 Geographic information/ Geomatics for OGC Code Sprint September 14th-16th, 2022

Peter Parslow, ISO/TC 211 chair-elect



Sprint Sponsors



What happens during the code sprint?



Discussions



Independent Work



Mentor Stream

Tutorials



- Organize your data on the cloud with a crawlable OGC API - Records catalogue
- Metadata management, publishing and discovery using OGC API – Records
- Introduction to SpatioTemporal Asset Catalogs (STAC)

<https://github.com/opengeospatial/developer-events/wiki/Metadata-Code-Sprint#mentor-streams>

Hybrid Code Sprint

- Virtually on Discord
- In-person, in Geovation

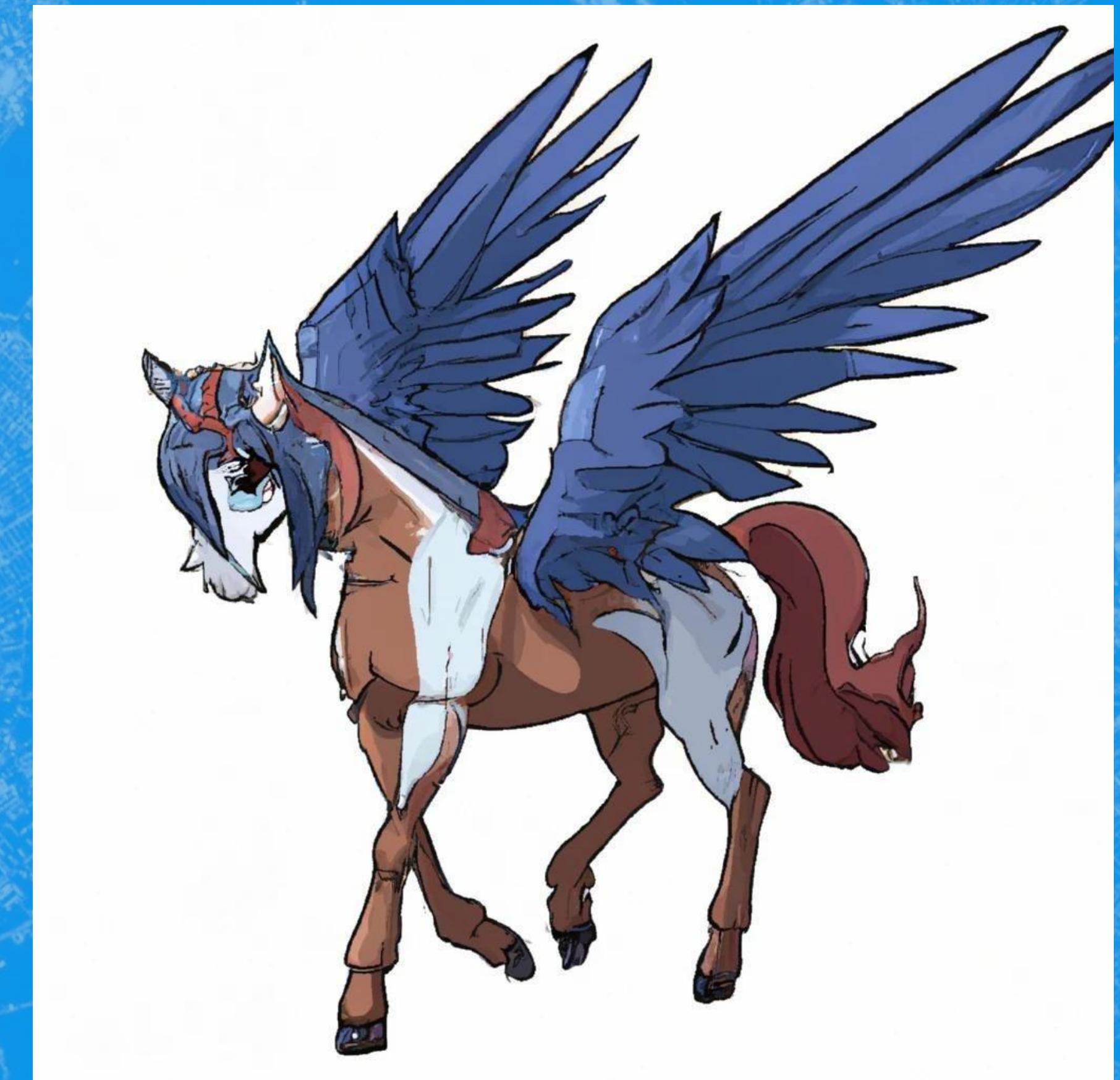


Image generated with DALL.E 2 :<https://openai.com/dall-e-2/>

OGC Events Discord Server



Meta channels:
check-in and
general info

WELCOME

- # news-📢
- # readme-📄
- # getting-started-📌
- # registration-📝
- # technical-issues-🆘

GENERAL

- # introductions-👋
- # general
- # event-questions
- 🔊 Lounge ☕
- 🔊 Main Stage 💬
- 🔊 Breakout-Room-💬

Main track:
Kick-off,
standups and
demos

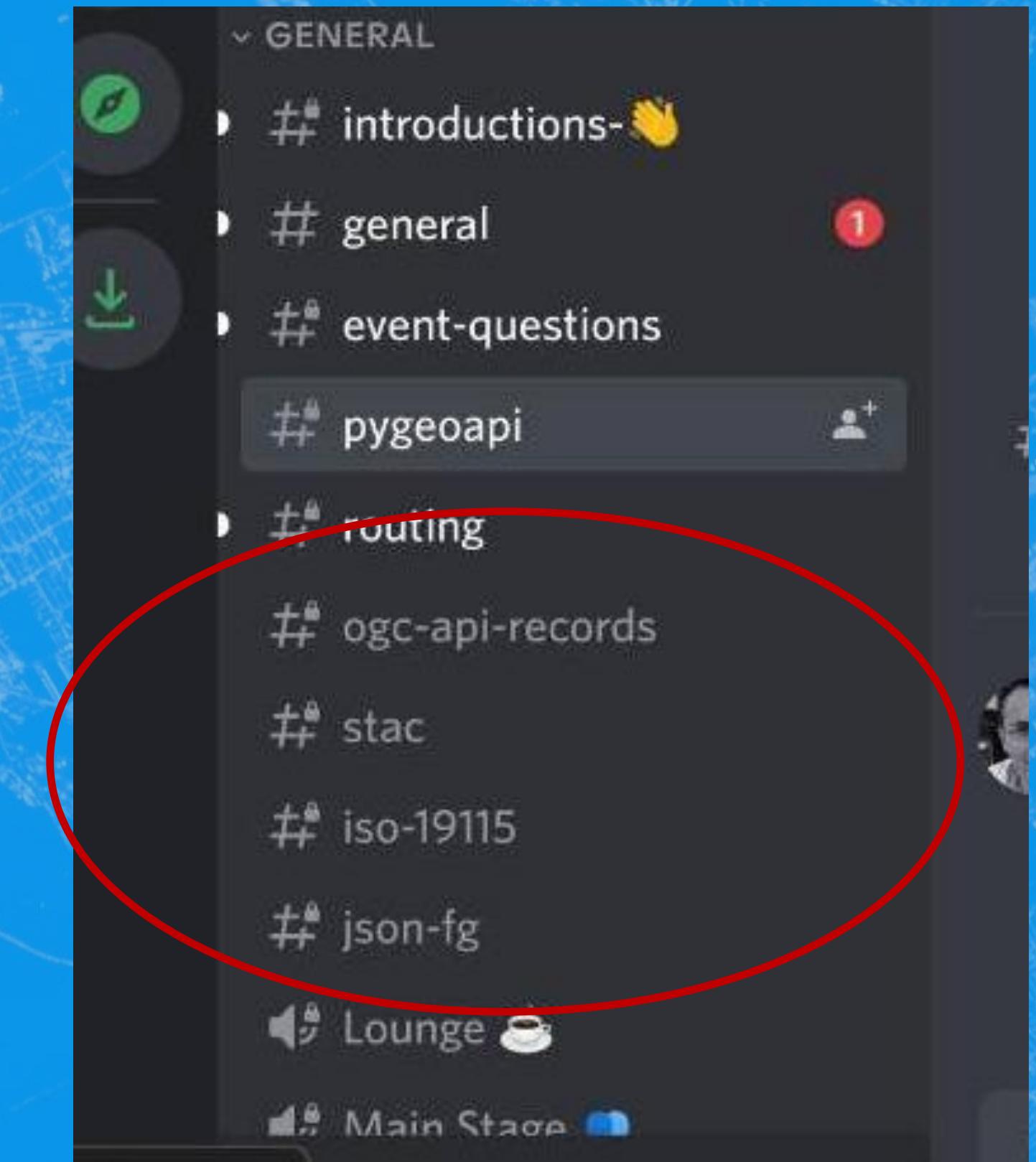
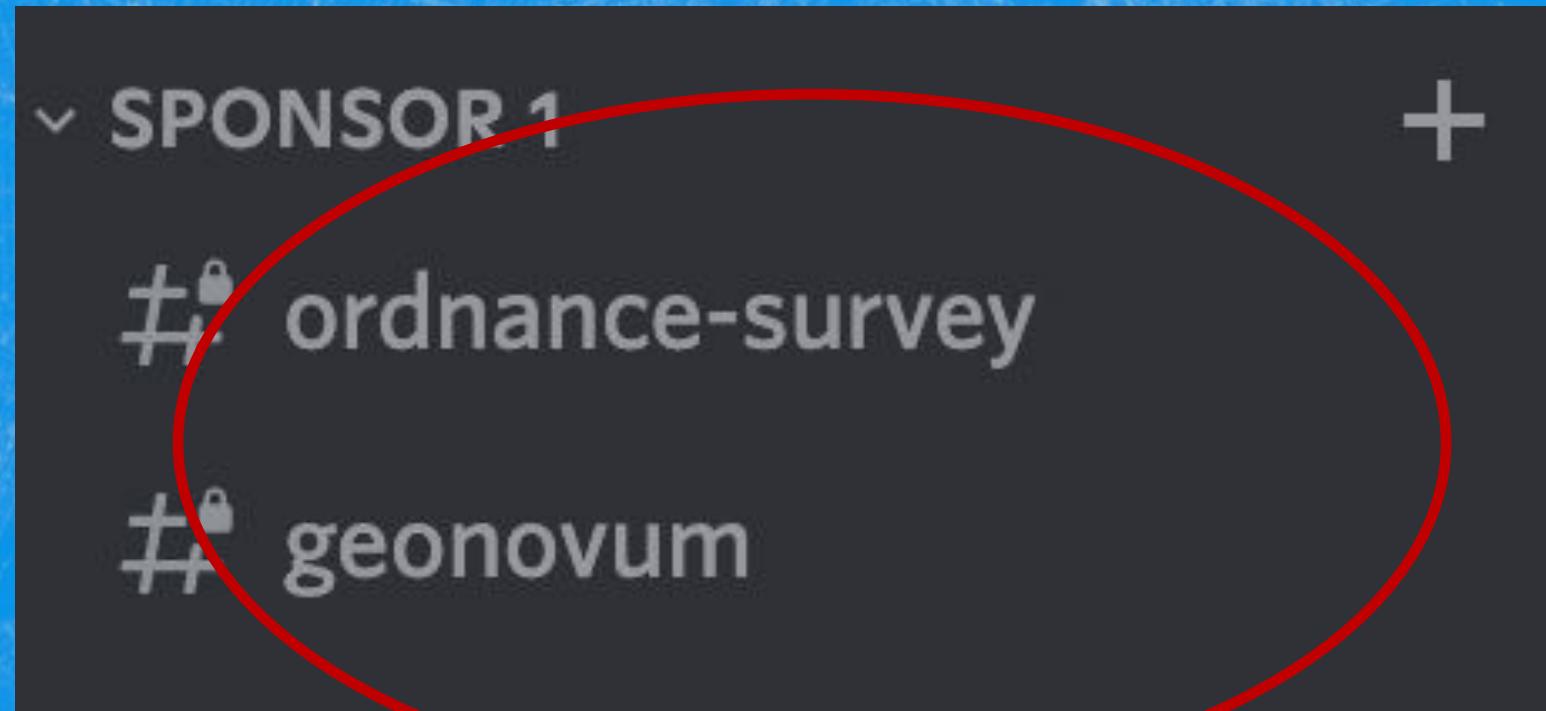
MENTORING 🎓

- # whois
- # find-a-mentor
- # mentor-room-📝
- 🔊 Mentor Room 📖

Mentor stream:
tutorials, 1:1
mentoring

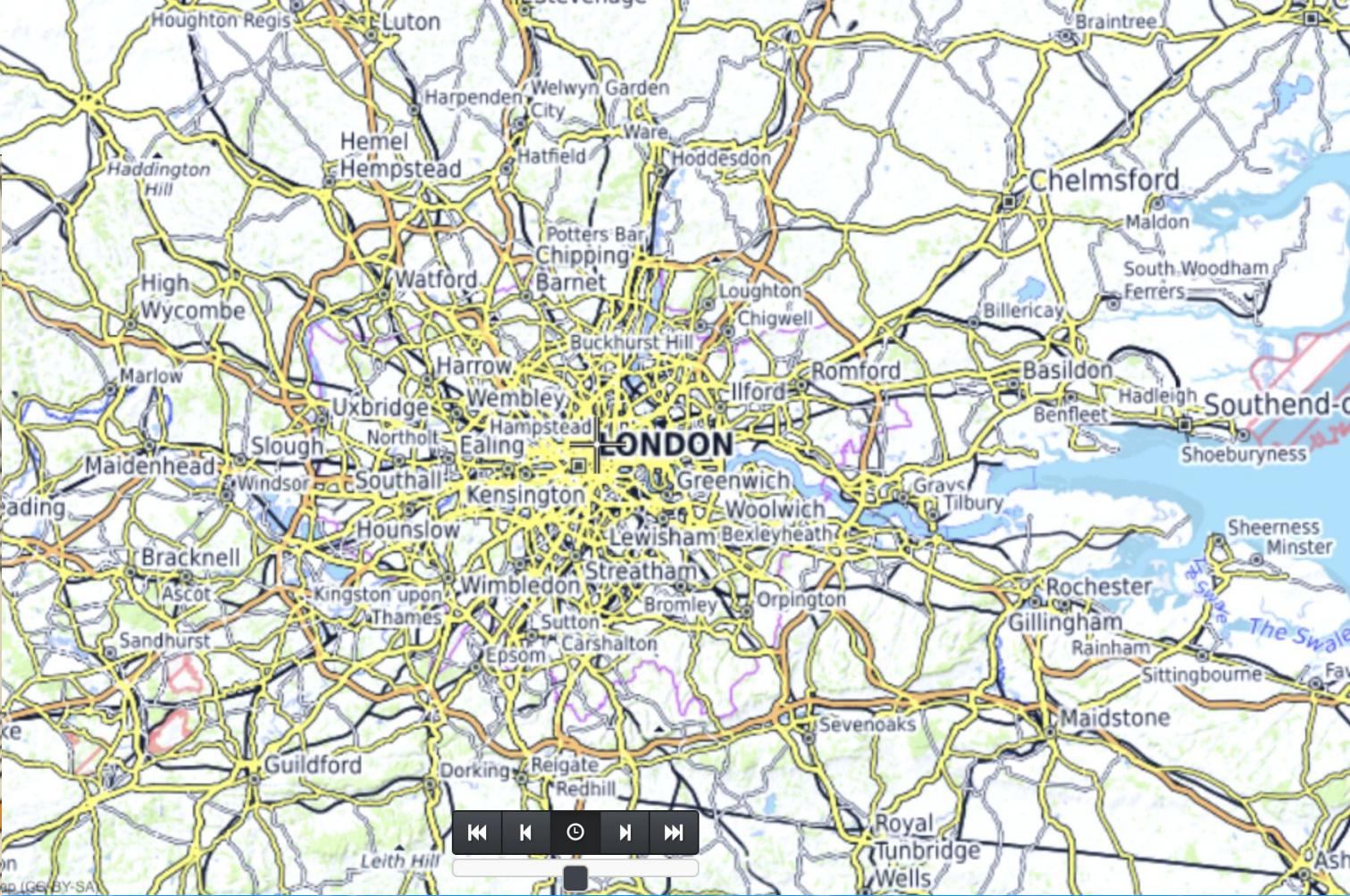
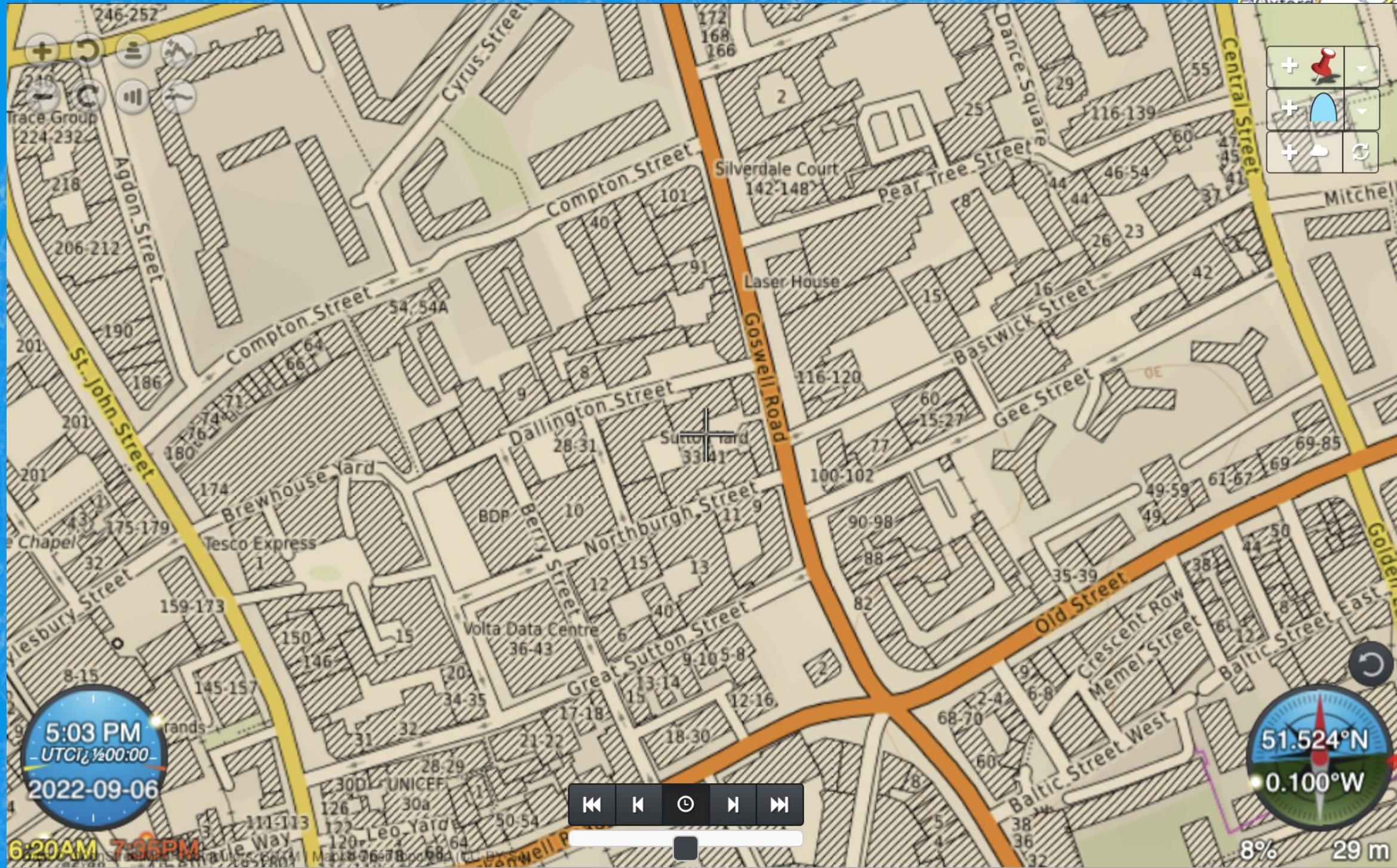
Matrix bridge: <https://matrix.to/#/%23ogc:matrix.org>

Added channels





from  Ordnance Survey



F4, Sutton Yard, 65 Goswell Rd., London EC1V 7EN, United Kingdom

Day #1 - Wednesday, the 14th of September, 2022

2022-09-14		Day #1: Kick-Off	
	09:00 - 09:20 BST	Welcome Remarks - Joana Simoes	V:  #Main Stage
	09:20 - 09:40 BST	Sprint Goals for OGC API - Records, STAC, ISO 19115 and JSON-FG	V:  #Main Stage
	09:40 - 10:00 BST	Q&A	V:  #Main Stage
	10:00 - 12:30 BST	Practical work	V:  #Breakout Room
	12:30 - 13:30 BST	Lunch	
	13:30 - 17:00 BST	Practical work	V:  #Breakout Room
	17:00 - 18:00 BST	Early dinner	
	18:00 - 20:00 BST	Practical work	V:  #Breakout Room
	20:00 - 21:00 BST	Daily Brief Back	V:  #Main Stage

Day #2 - Thursday the 15th of September, 2022

2022-09-15		Day #2	
	09:00 - 10:00 BST	Practical work	V:👥 #Breakout Room
	10:00 - 11:00 BST	Stand-up & demos	V:🏛️ #Main Stage
	11:00 - 12:30 BST	Practical work	V:👥 #Breakout Room
	12:30 - 13:30 BST	Lunch	🍜
	13:30 - 14:30 BST	Practical work	V:👥 #Breakout Room
	14:30 - 15:00 BST	Issues & concerns	V:🏛️ #Main Stage
	15:00 - 17:00 BST	Practical work	V:👥 #Breakout Room
	17:00 - 18:00 BST	Early dinner	🍜
	18:00 - 20:00 BST	Practical work	V:👥 #Breakout Room
	20:00 - 21:00 BST	Daily Brief Back	V:🏛️ #Main Stage

Day #3 - Friday, the 16th of September, 2022

2022-09-16		Day #3: Final Day	
	09:00 - 10:00 BST	Practical work	V:👤 #Breakout Room
	10:00 - 11:00 BST	Stand-up & demos	V:🏛️ #Main Stage
	11:00 - 13:00 BST	Practical work	V:👤 #Breakout Room
	13:00 - 14:00 BST	Lunch	🍜
	14:00 - 15:00 BST	Practical work	V:👤 #Breakout Room
	15:00 - 17:00 BST	Demos & Wrap-up	V::钲 GotoMeet

Feel Free to add more items to the schedule

2022-07-14		Day #3: Final Day	
	05:00 - 07:00 EDT/ 11:00 - 13:00 CEST	Practical work	V:👤 #Breakout Room
	07:00 - 08:00 EDT/ 13:00 - 14:00 CEST	Stand-up & demos	V:🏛️ #Main Stage
	08:00 - 10:30 EDT/ 14:00 - 16:30 CEST	Practical work	V:👤 #Breakout Room
	10:30 - 11:00 EDT/ 16:30 - 17:00 CEST	Issues & concerns	V:🏛️ #Main Stage
	11:00 - 13:30 EDT/ 17:00 - 19:30 CEST	Practical work	V:👤 #Breakout Room
	12:00 - 13:00 EDT/ 18:00 - 19:00 CEST	Working group meeting	V:👤 #Breakout Room
	13:30 - 14:30 EDT/ 19:30 - 20:30 CEST	Demos	V:钲 GotoMeet
	14:30 - 15:30 EDT/ 20:30 - 21:30 CEST	Wrap-up	V:钲 GotoMeet

👉 Example from a previous schedule

👉 <https://github.com/opengeospatial/developer-events/wiki/Metadata-Code-Sprint#schedule>

Missed a session?

- Slides will be uploaded to GitHub.
- There will be a video recording of the demo session.
- There will be audio recordings for all the other sessions at the #Main Stage.

More Information

GitHub repo:

<https://github.com/opengeospatial/developer-events/wiki/Metadata-Code-Sprint>

Wiki page:

<https://github.com/opengeospatial/developer-events/tree/master/2022/Metadata-Code-Sprint>

Hashtags: #CODESPRINT18 #OGCAPI



Overview of OGC API - Records



Overview of STAC API

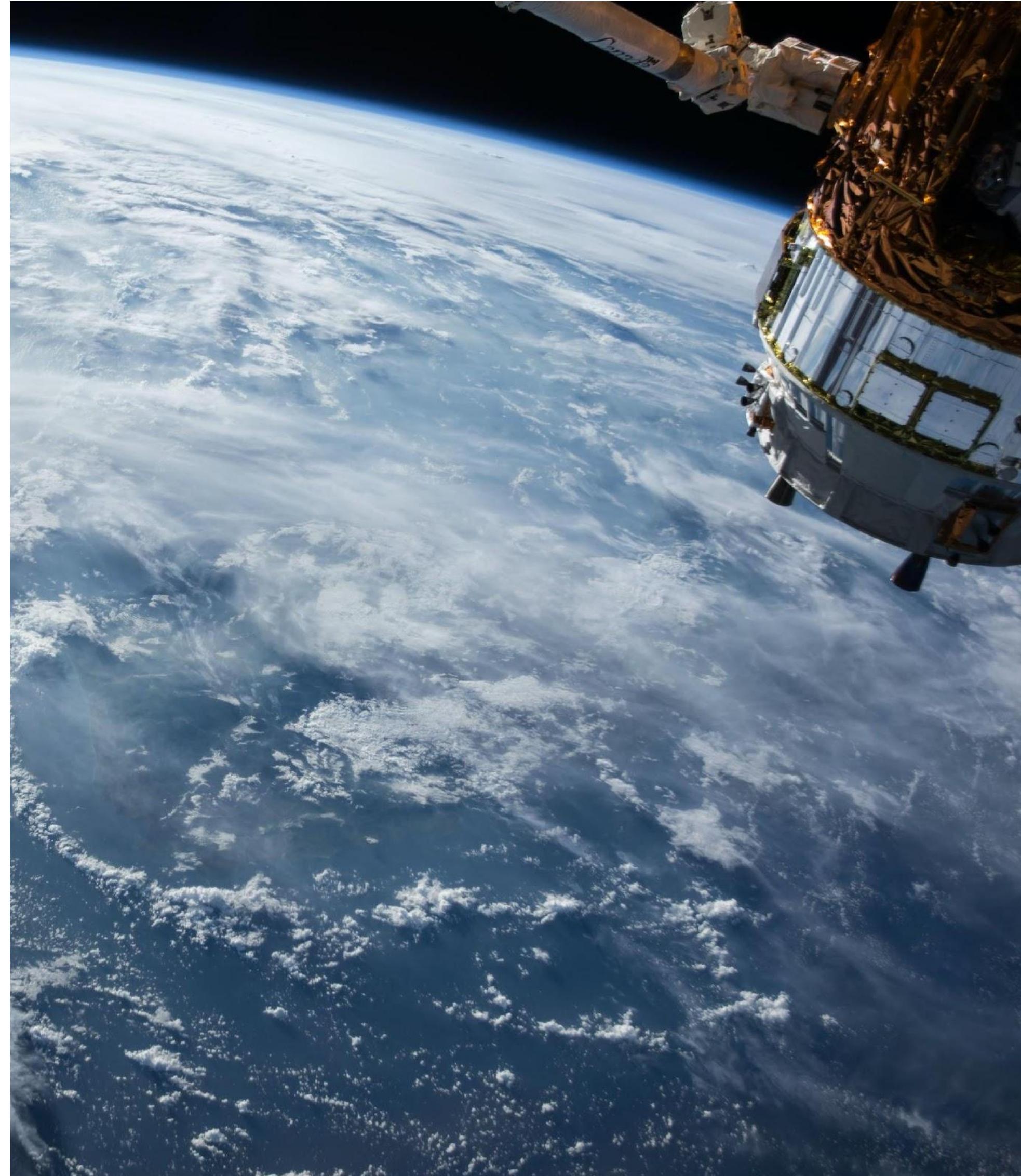
An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is covered in patches of white, likely snow or ice, with darker areas representing vegetation or water. In the distance, a range of mountains with snow-capped peaks is visible. The sky above is a clear, pale blue. The overall scene suggests a cold, possibly Arctic or Alpine, environment.

Overview of ISO 19115

An aerial photograph showing a vast landscape covered in snow. In the foreground, there are dark, snow-free areas that appear to be fields or roads. Behind them, a range of mountains is visible, their peaks and slopes covered in white snow. The sky above is a clear, pale blue, dotted with wispy, white clouds. The overall scene suggests a cold, possibly winter environment viewed from an airplane window.

Overview of JSON-FG

An aerial photograph showing a vast landscape below. In the foreground, there are dark, snow-covered fields and roads. Behind them, a range of mountains with prominent peaks covered in white snow stretches across the horizon. The sky above is a clear, pale blue, dotted with wispy, white clouds.



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

