

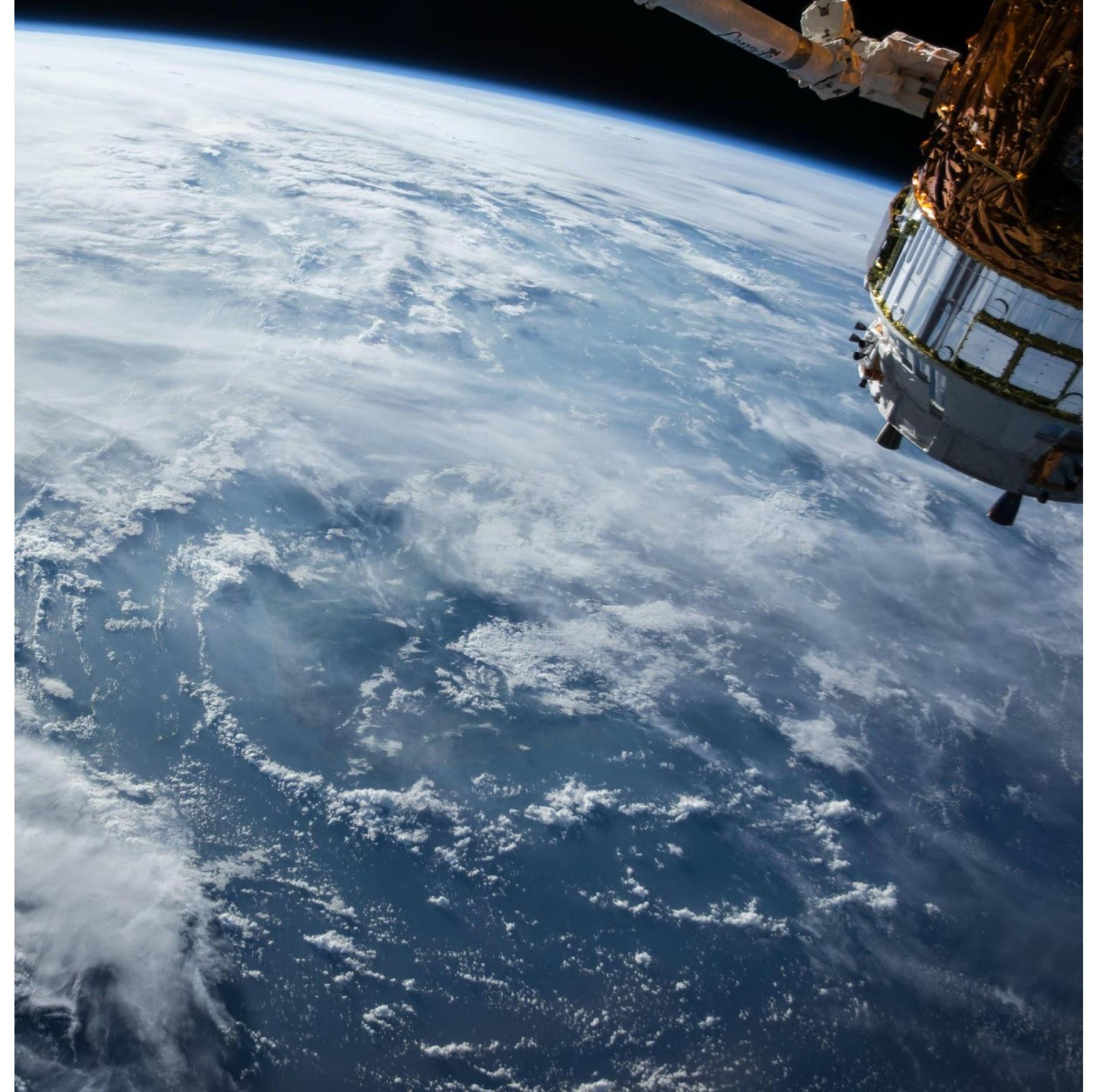
Geospatial API

Code Sprint 

15th-17th November, 2021

Agenda

- Introduction
- Overview of OGC API – Features
- Overview of ISO 19168-1
- Q & A



Brought to you by:





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



Who Are Our Members?

Commercial

Business Development

Global: Brand Exposure

Competitive Technical Advantage

Funding for Innovation

Government

Innovation & Market Support

International Partnerships

Trusted Advice

Operational Policy

Support & Certification

Research & Academia

Applied Research Partners

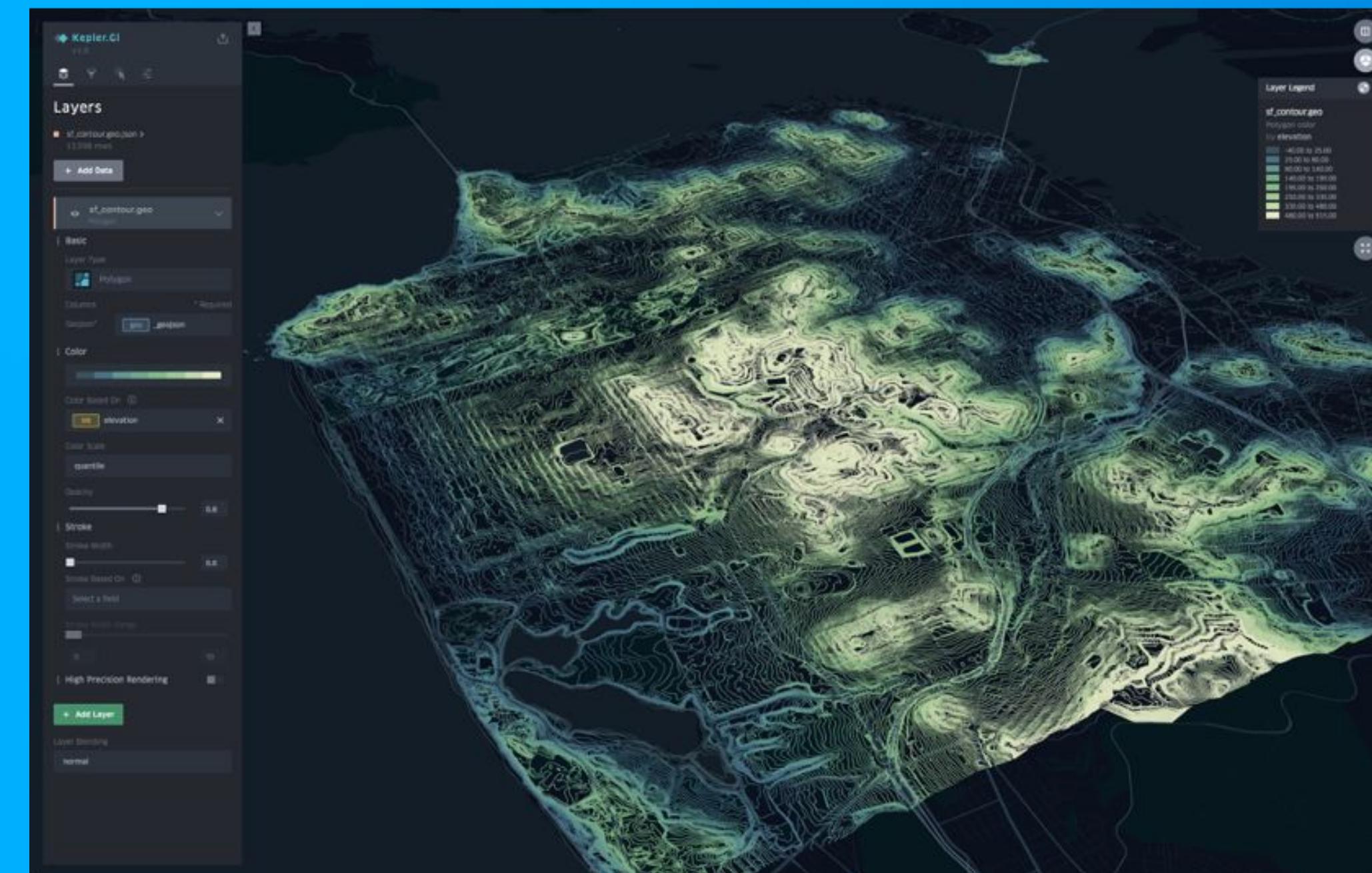
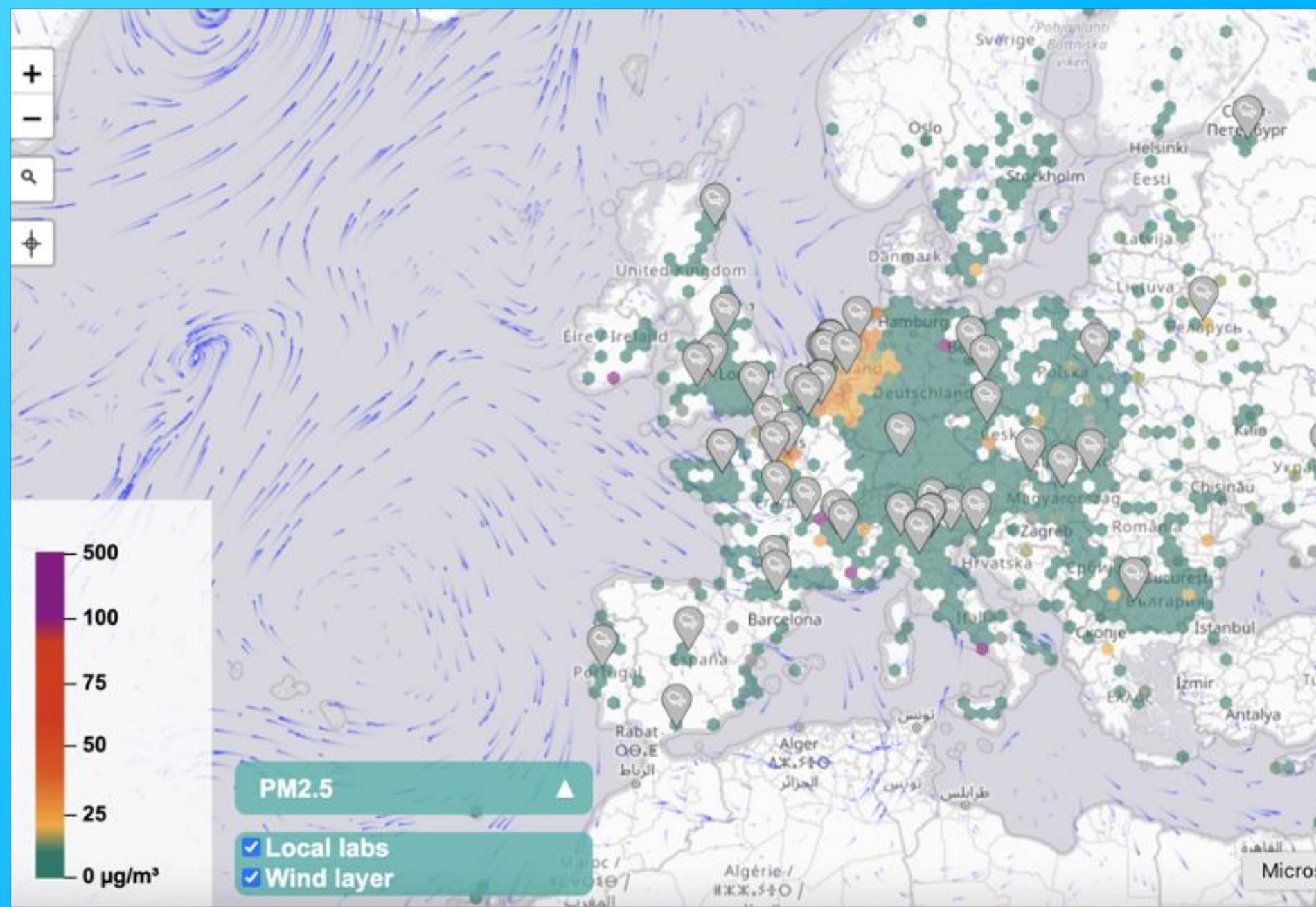
International Collaboration

Funding for Innovation

Citations

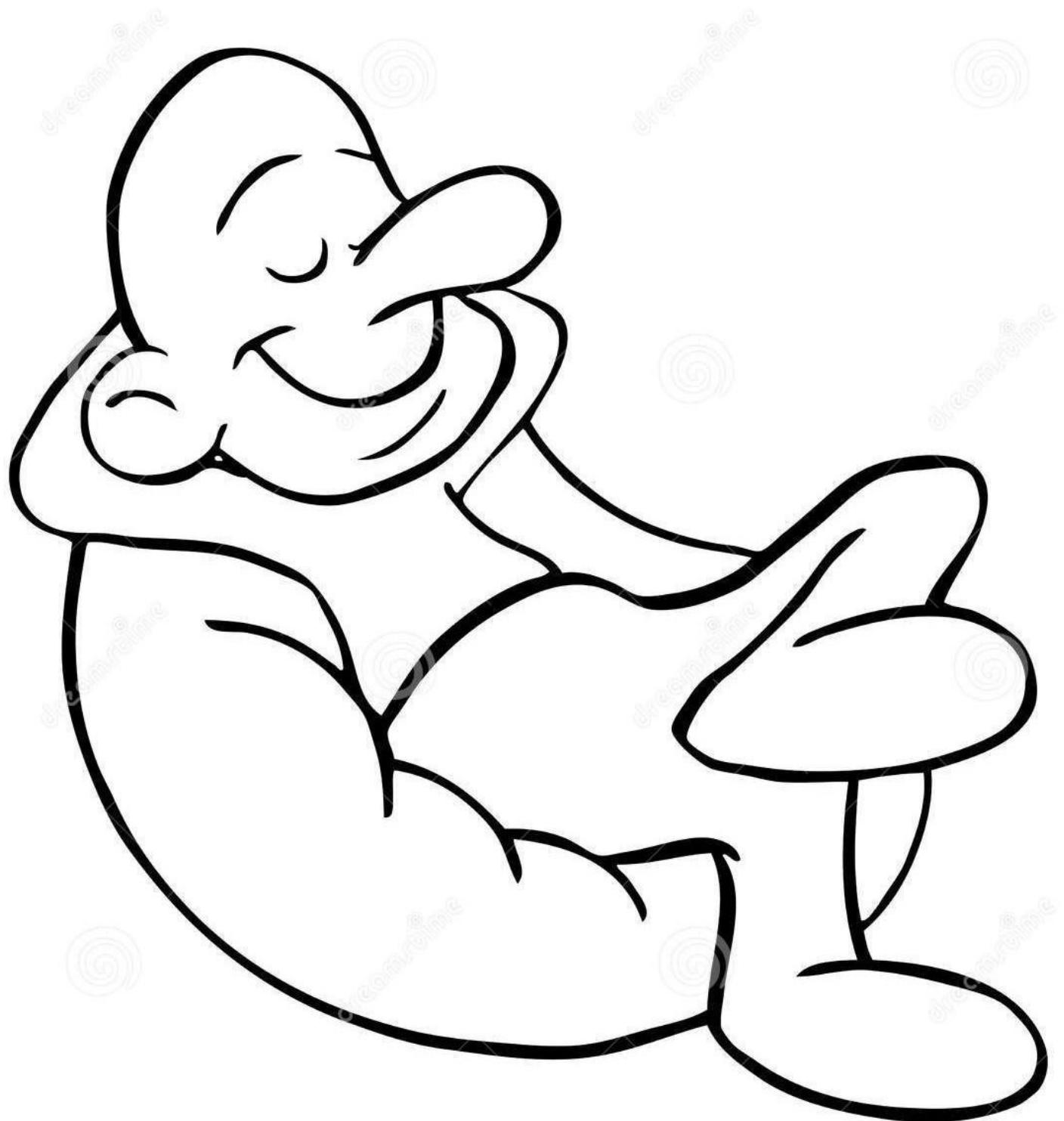
Motivation

The growing uptake of location within and beyond geospatial developer communities.



Modern Web APIs

APIs are a popular, effective method for rapid software development.



{ REST }

Interoperability

There is an increasing need for interoperability between Web APIs.



Welcome 🙌

Geospatial API Code Sprint (15th-17th November)

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.

Sprint Structure (2x speeds)

The sprint will take place on the Discord Server.



Main Track
General channels



Mentor Stream
Mentoring channels

Main Track

- Developers will be working on their activities, at their own pace.
- Discussion is encouraged at the #General channel (text), or at the #Breakout Room (voice).
- We'll meet at given checkpoints during the day, at the #Main Stage.

Day #1 - Monday, the 15th of November, 2021

2021-11-15		Day #1: Kick-Off	
	07:00 - 07:20	Welcome Remarks and New Way of Working - Joana Simoes/ Peter Parslow	V:  #Main Stage
	07:20 - 07:45	Sprint Goals - Clemens Portele/ Peter Vretanos	V:  #Main Stage
	07:45 - 08:00	Q&A	V:  #Main Stage
	08:00 - 16:30	Practical work	V:  #Breakout Room
	16:30 - 17:30	Daily Brief Back	V:  #Main Stage

Day #2 - Tuesday the 16th of November, 2021

2021-11-16		Day #2	
	07:00 - 09:00	Practical work	V:👤 #Breakout Room
	09:00 - 10:00	Stand-up & demos	V:🏛️ #Main Stage
	10:00 - 12:30	Practical work	V:👤 #Breakout Room
	12:30 - 13:00	Issues & concerns	V:🏛️ #Main Stage
	13:00 - 16:30	Practical work	V:👤 #Breakout Room
	16:30 - 17:30	Daily Brief Back	V:🏛️ #Main Stage

Day #3 - Wednesday, the 17th of November, 2021

2021-11-17		Day #3: Final Day	
	07:00 - 09:00	Practical work	V:👥 #Breakout Room
	09:00 - 10:00	Stand-up & demos	V:🏛️ #Main Stage
	10:00 - 12:30	Practical work	V:👥 #Breakout Room
	12:30 - 13:00	Issues & concerns	V:🏛️ #Main Stage
	13:00 - 15:30	Practical work	V:👥 #Breakout Room
	15:30 - 16:30	Demos	V:🏛️ #Main Stage
	16:30 - 17:30	Wrap-up - Joana Simoes/ Peter Parslow	V:🏛️ #Main Stage

Mentor Stream

- Developers will have the opportunity to explore the standard.
- Tutorials will take place at the #Mentor Room (voice).
- We'll make a curated dataset available for the sprint, after the first tutorial.
- You can reach out to mentors on the #Mentor Room (text).

Tutorials



- Monday, 10am-10:45am: Share your Data with OGC API Features
- Tuesday, 10am-10:45am: Load feature data into your frontend application

More information available at:

<https://github.com/opengeospatial/developer-events/wiki/November-2021-Geospatial-API-Code-Sprint>

<https://tinyurl.com/geoapi>

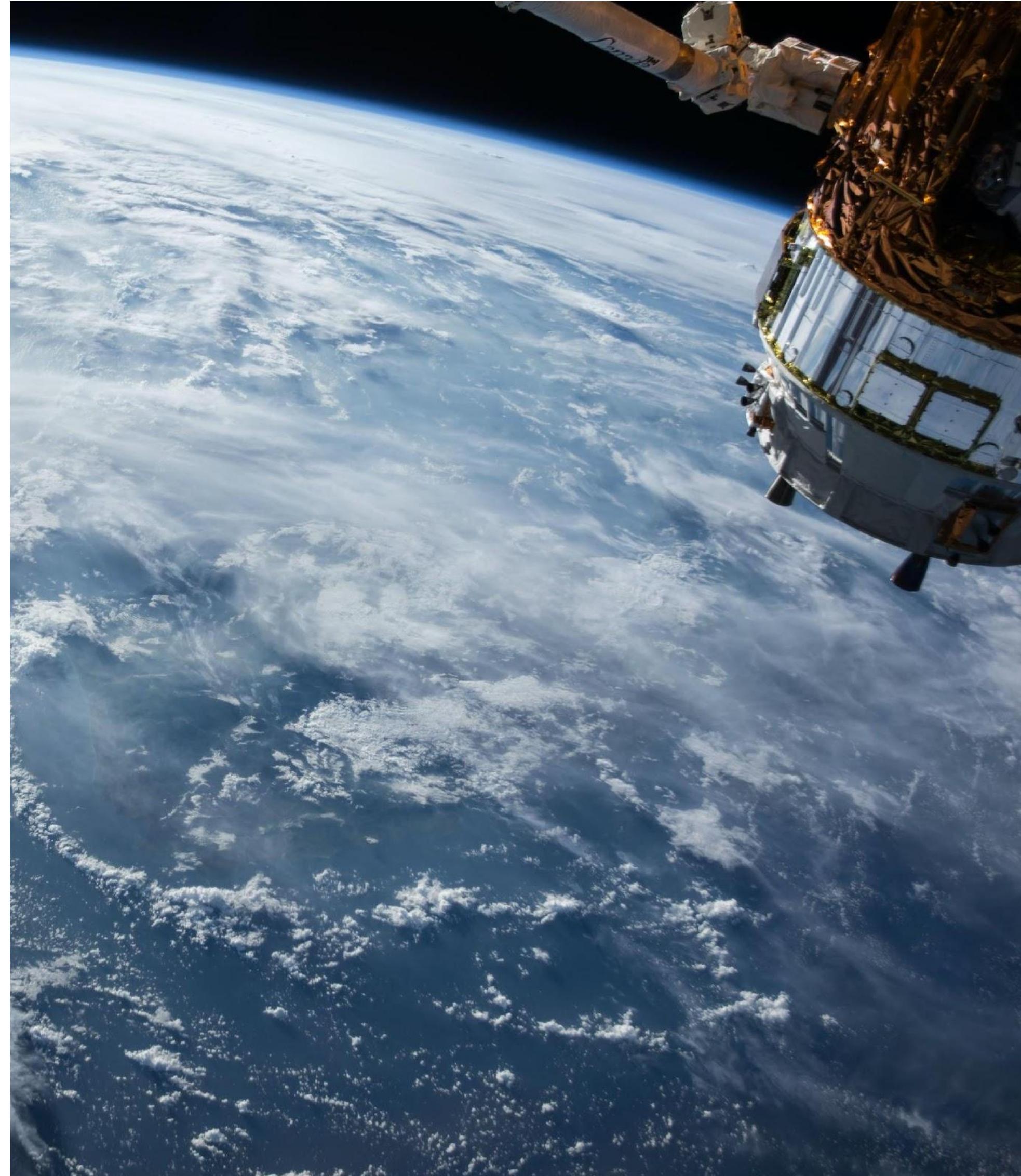


Overview of OGC API – Features

An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is covered in patches of white snow, likely from a winter season. In the distance, there are large, rugged mountain peaks, some of which are also capped with snow. The sky above is a clear, pale blue. The overall scene suggests a high-altitude perspective over a rural or sparsely populated area.

Overview of ISO 19168-1





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

