



Open  
Geospatial  
Consortium

# Space Partitions Code Sprint

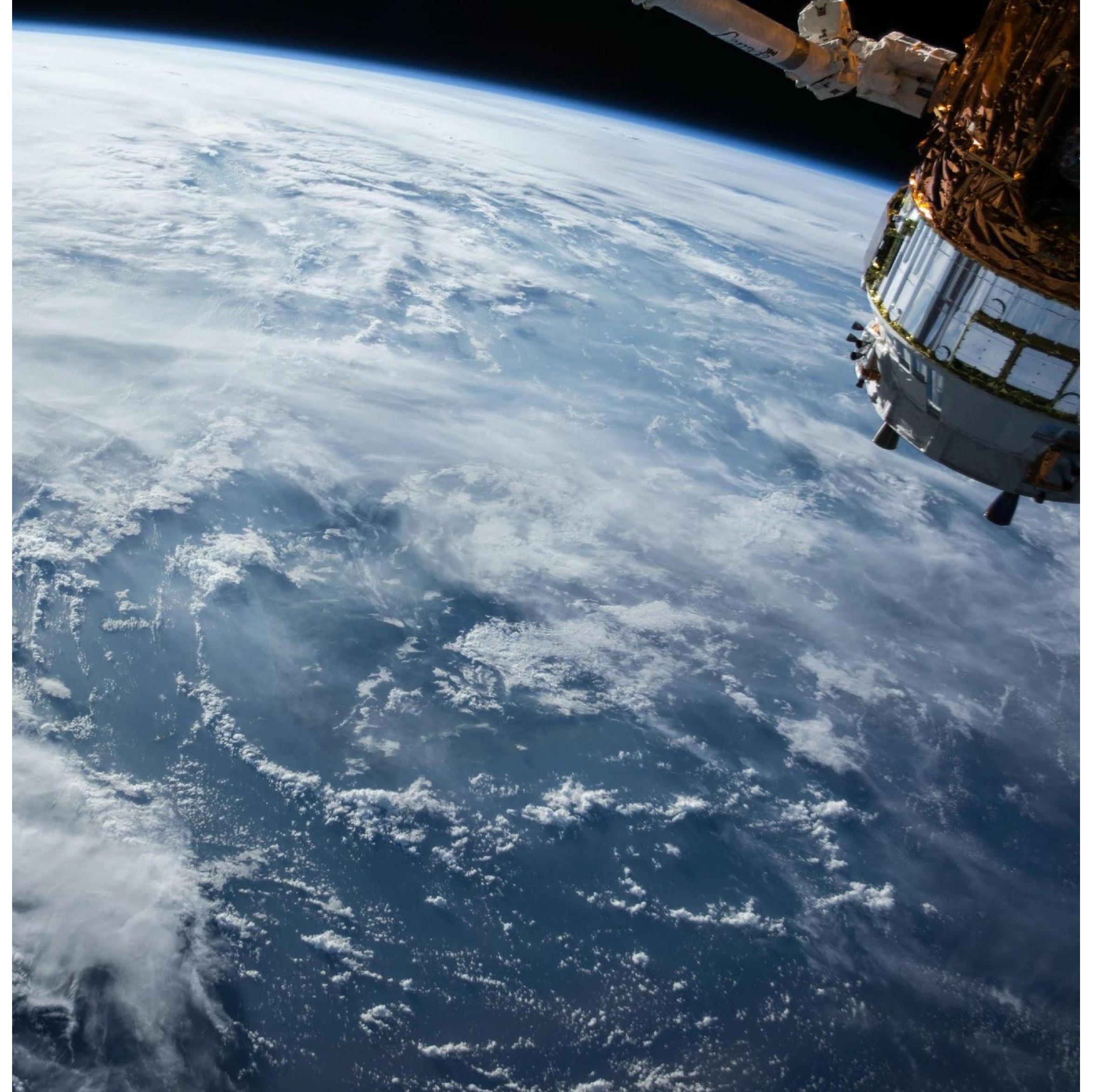


## Pre-event webinar

10-12<sup>th</sup> May, 2022

# Agenda

- Welcome Remarks
- Overview of OGC API DGGS
- Overview of OGC API Tiles
- Overview of OGC API Coverages
- Overview of OGC API EDR
- Q & A





# What is OGC?

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**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?

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## Commercial

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Business Development

Global: Brand Exposure

Competitive Technical Advantage

Funding for Innovation

## Government

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Innovation & Market Support

International Partnerships

Trusted Advice

Operational Policy

Support & Certification

## Research & Academia

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Applied Research Partners

International Collaboration

Funding for Innovation

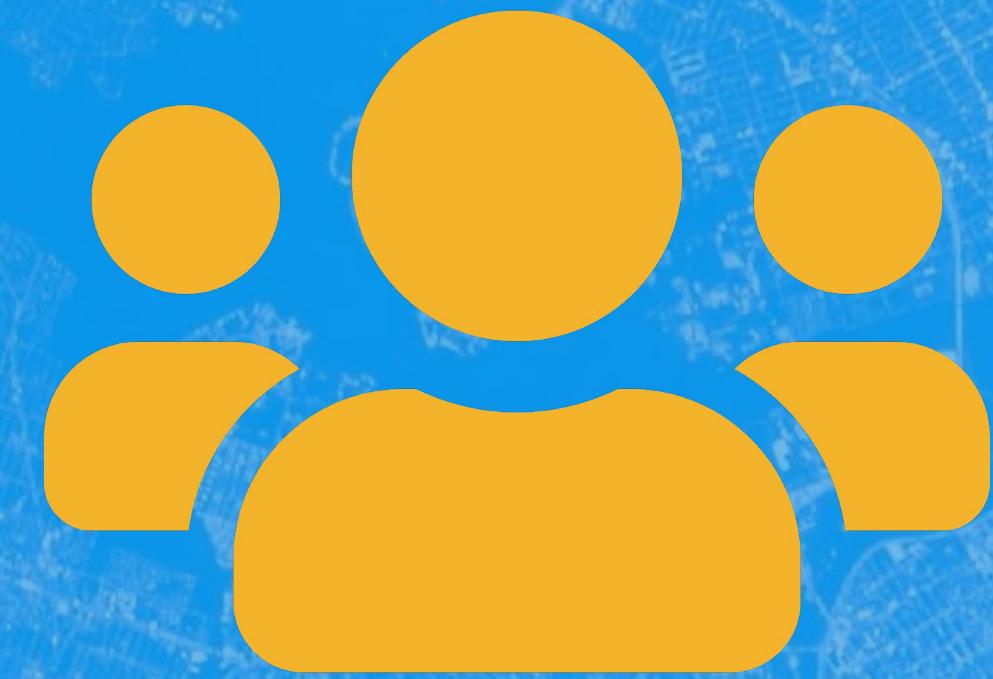
Citations

# Welcome 🙌

## Space Partitions Code Sprint (10<sup>th</sup>-12<sup>th</sup> May)

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.

# What happens during the code sprint?



Discussions



Independent Work



Mentor Stream

# Tutorials



- Tuesday, 10am-10:45am: Serve Vector Tiles with OGC API Tiles
- Tuesday, 3:30pm-4:00pm: Testing implementations of OGC API - EDR for Compliance to the Standard

Add more here ➡

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

# 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

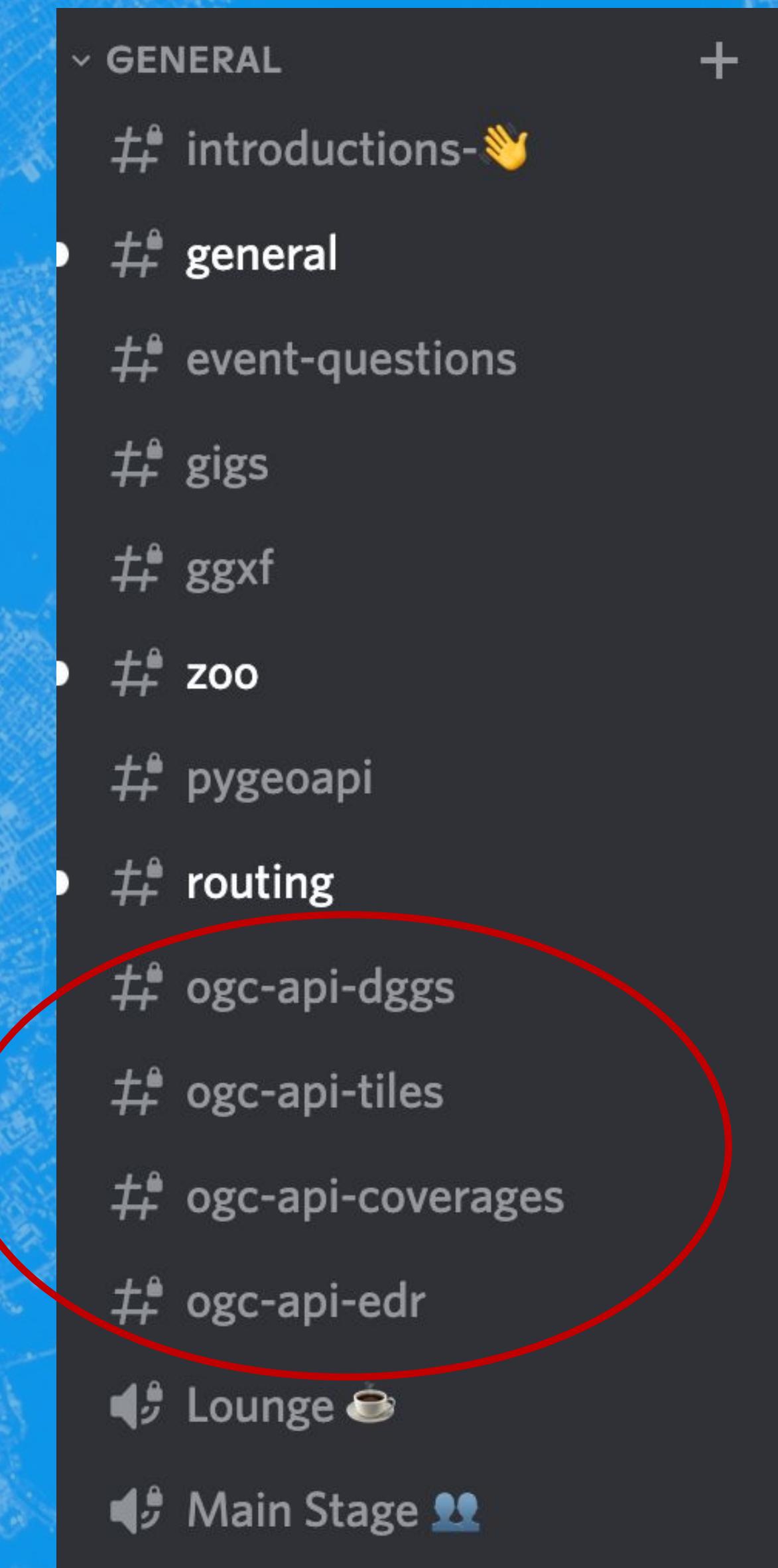
MENTORING 🎓

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

Mentor stream:  
tutorials, 1:1  
mentoring

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

# Added channels



# Day #1 - Tuesday, the 10<sup>th</sup> of May, 2022

2022-05-10		Day #1: Kick-Off	
	07:00 - 07:25	Welcome Remarks - Joana Simoes	V:  #Main Stage
	07:25 - 07:45	Sprint Goals for OGC API - DGGS, Tiles, Coverages and EDR	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 - Wednesday the 11<sup>th</sup> of May, 2022

2022-05-11		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 - Thursday, the 12<sup>th</sup> of May, 2022

2022-05-12		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::钲 GotoMeet
	16:30 - 17:30	Wrap-up	V::钲 GotoMeet

# Feel Free to add more items to the schedule

2022-05-12		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
	14:00 - 15:00	Working group meeting	V:👤 #Breakout Room
	15:30 - 16:30	Demos	V::🔔 GotoMeet
	16:30 - 17:30	Wrap-up	V::🔔 GotoMeet

👉 <https://github.com/opengeospatial/developer-events/wiki/Space-Partitions-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 on the #main stage.

# More Information

**GitHub repo:**

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

**Wiki page:**

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

<https://tinyurl.com/space-partitions>

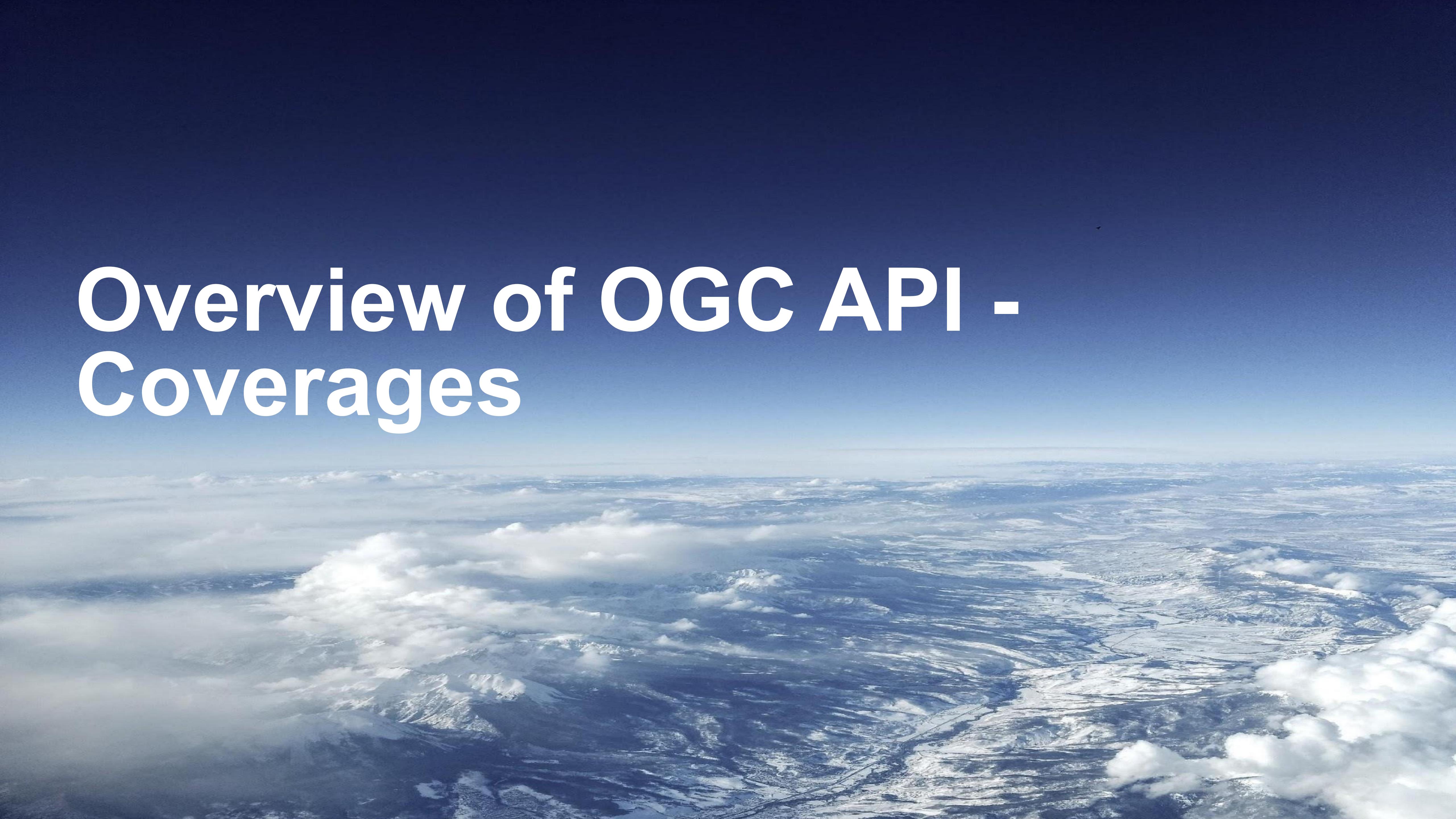
# Overview of OGC API – DGGS



# Overview of OGC API - Tiles

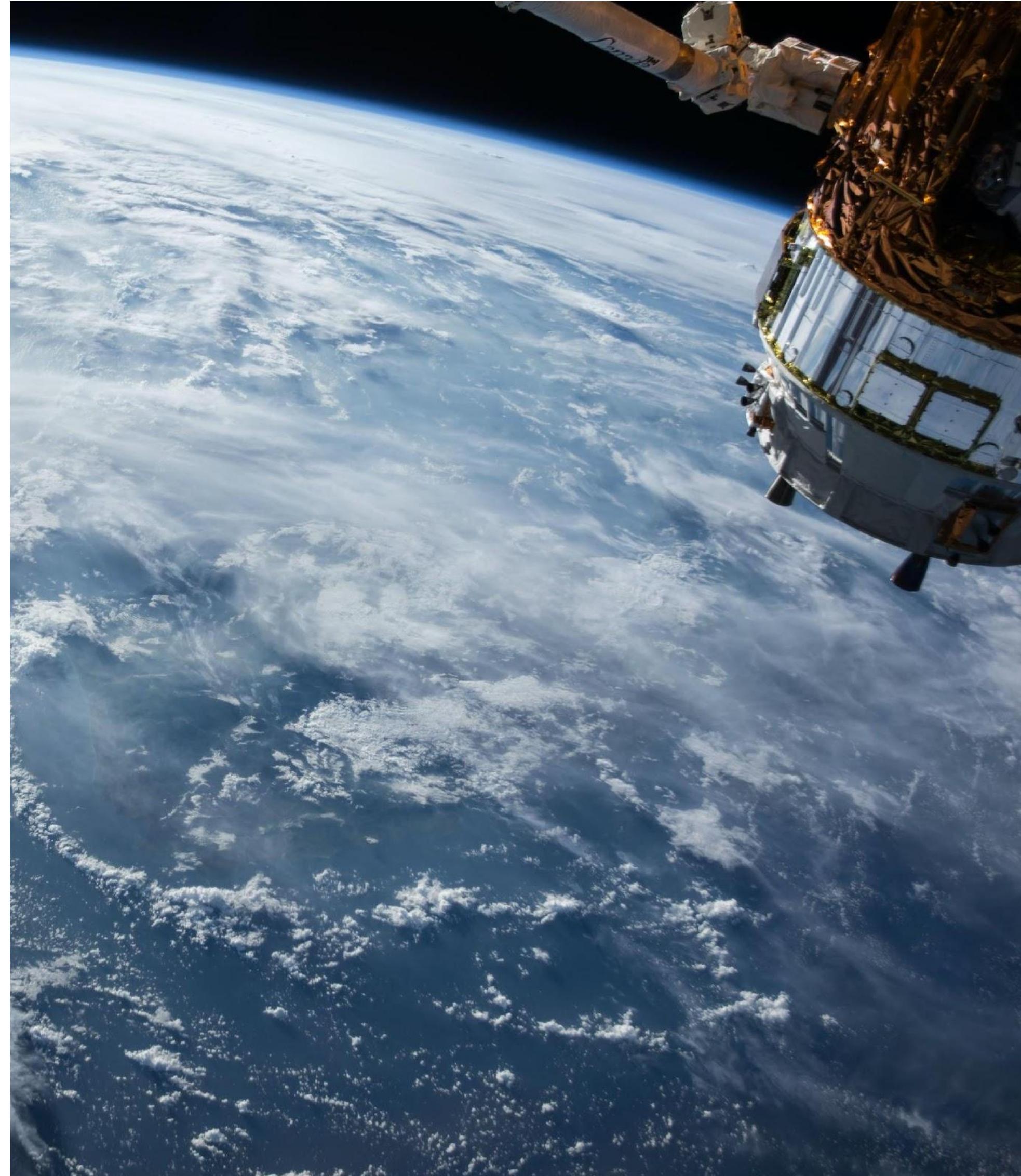
An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is covered in patches of white snow, likely from a winter season. In the distance, there are large, rugged mountain peaks, some of which are also capped with snow. The sky above is a clear, pale blue. The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

# Overview of OGC API - Coverages

An aerial photograph showing a vast, snow-covered landscape. In the foreground, there are dark, irregular shapes representing fields or roads. Behind them, a range of mountains with prominent peaks covered in snow stretches across the horizon. The sky above is a clear, pale blue, and the clouds are wispy and white, appearing in patches across the upper half of the image.

# Overview of OGC API - EDR

An aerial photograph taken from an airplane window, showing a vast landscape below. The terrain is mostly covered in white snow, with dark, winding roads and some green fields visible. In the distance, there are large, snow-capped mountain peaks. The sky above is a clear, pale blue. The overall scene suggests a cold, possibly winter environment viewed from 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

