



Open
Geospatial
Consortium

Web Mapping Code Sprint

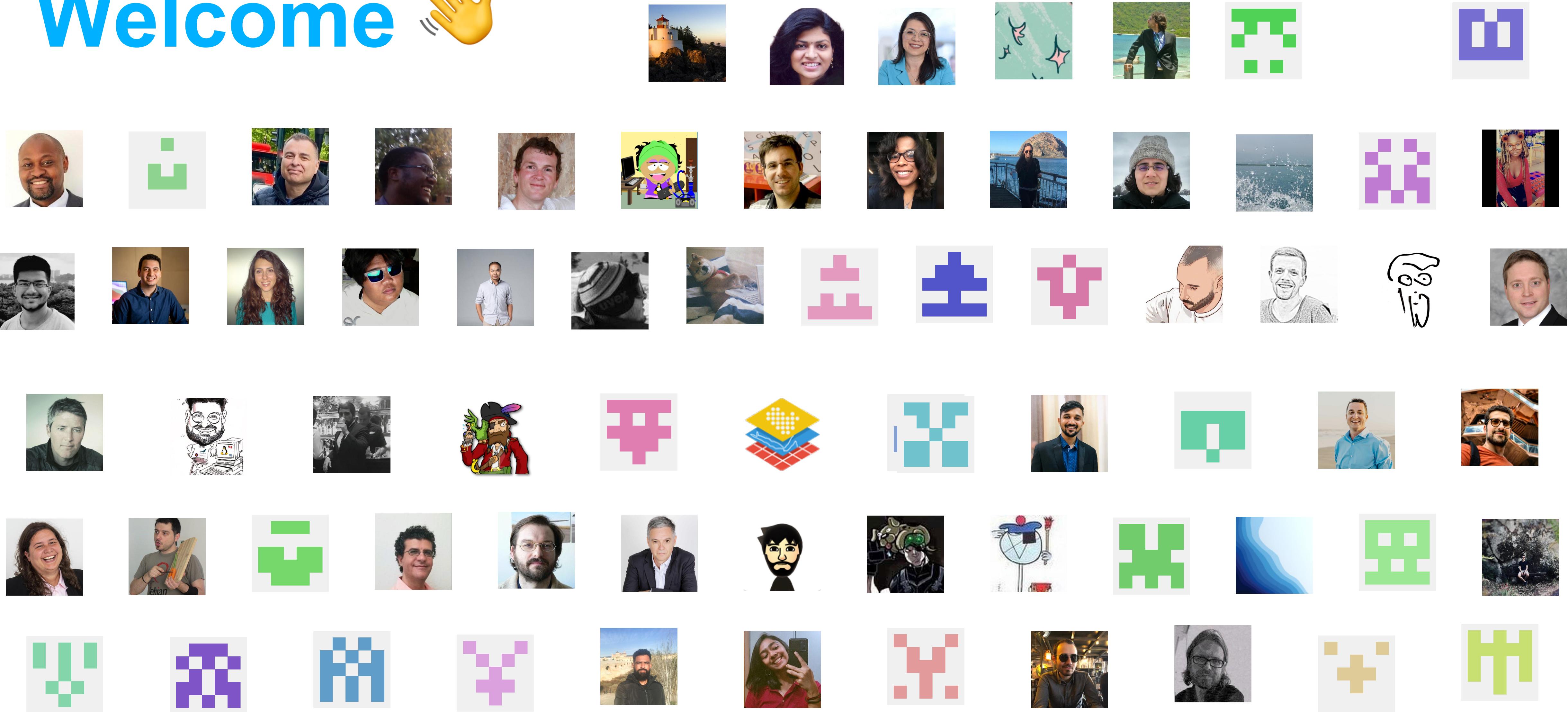


#Day1 - Kick-off

29th November, 2022

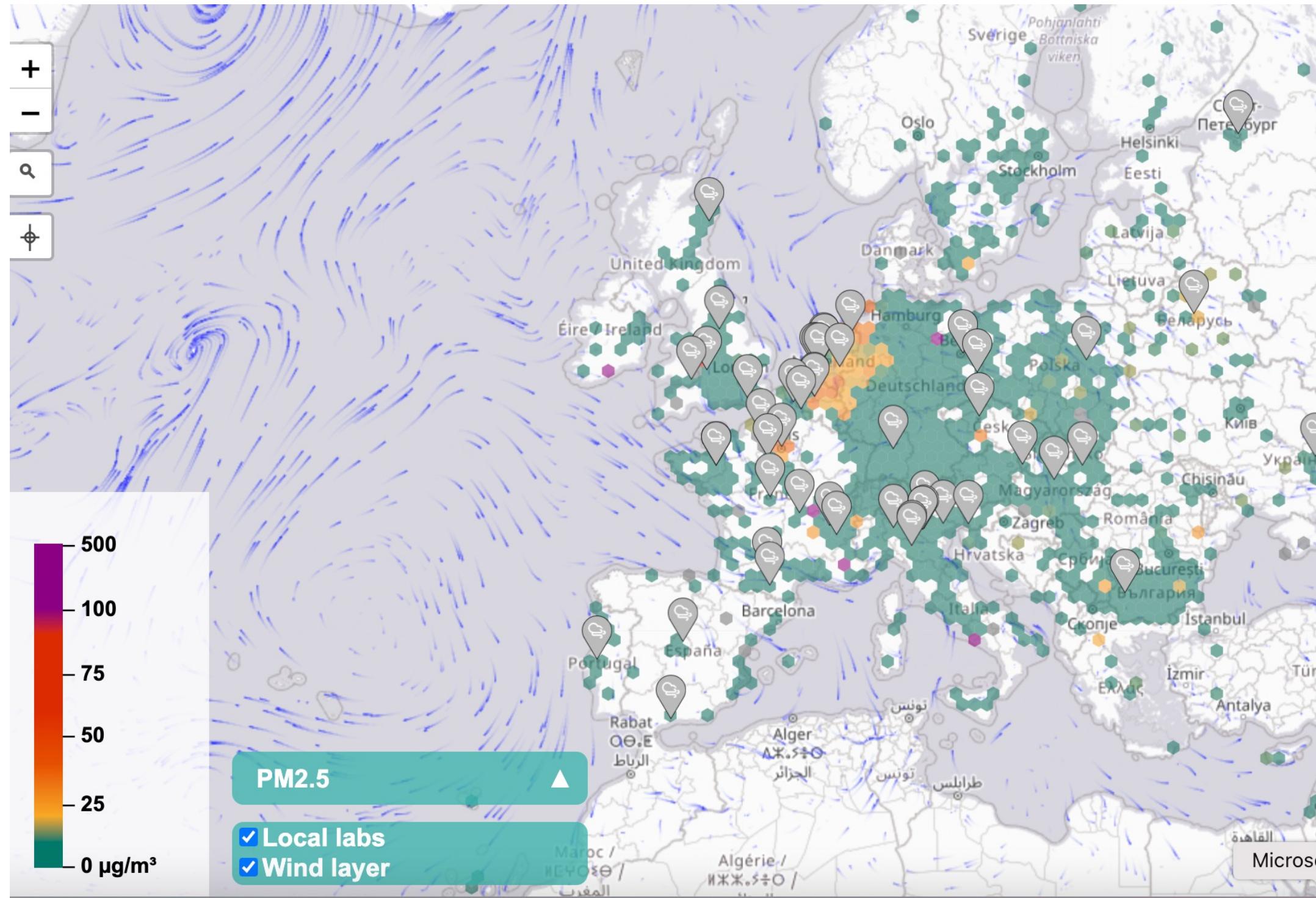


Welcome



Data from: 16/11/2022

Motivation



Current values of sensors measuring air quality.
Source: <https://maps.sensor.community/#2/0.0/0.0>



Travel times across London. Source:
<https://movement.uber.com/>

The lack of interoperability can lead to less optimal solutions...





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.

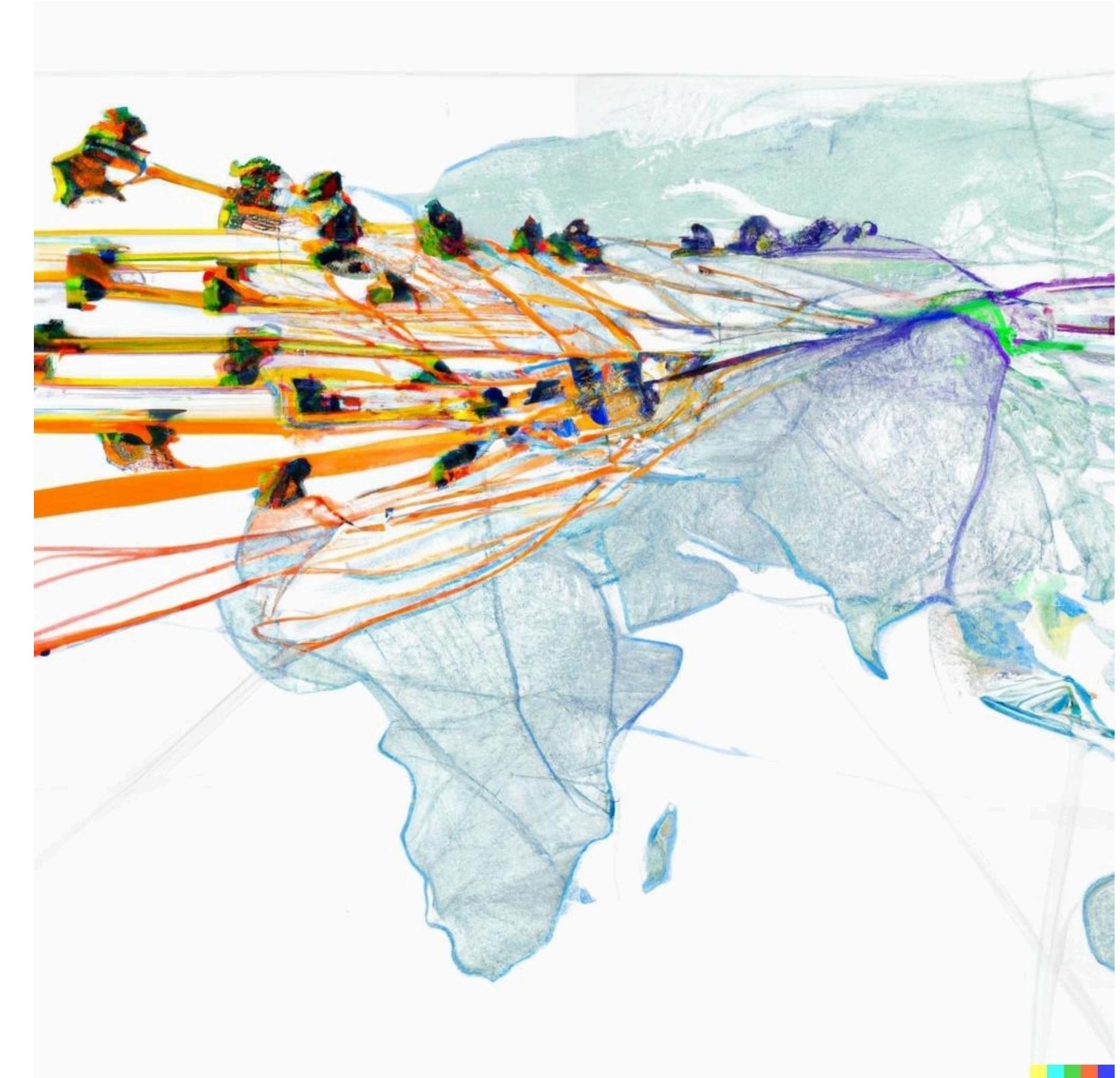
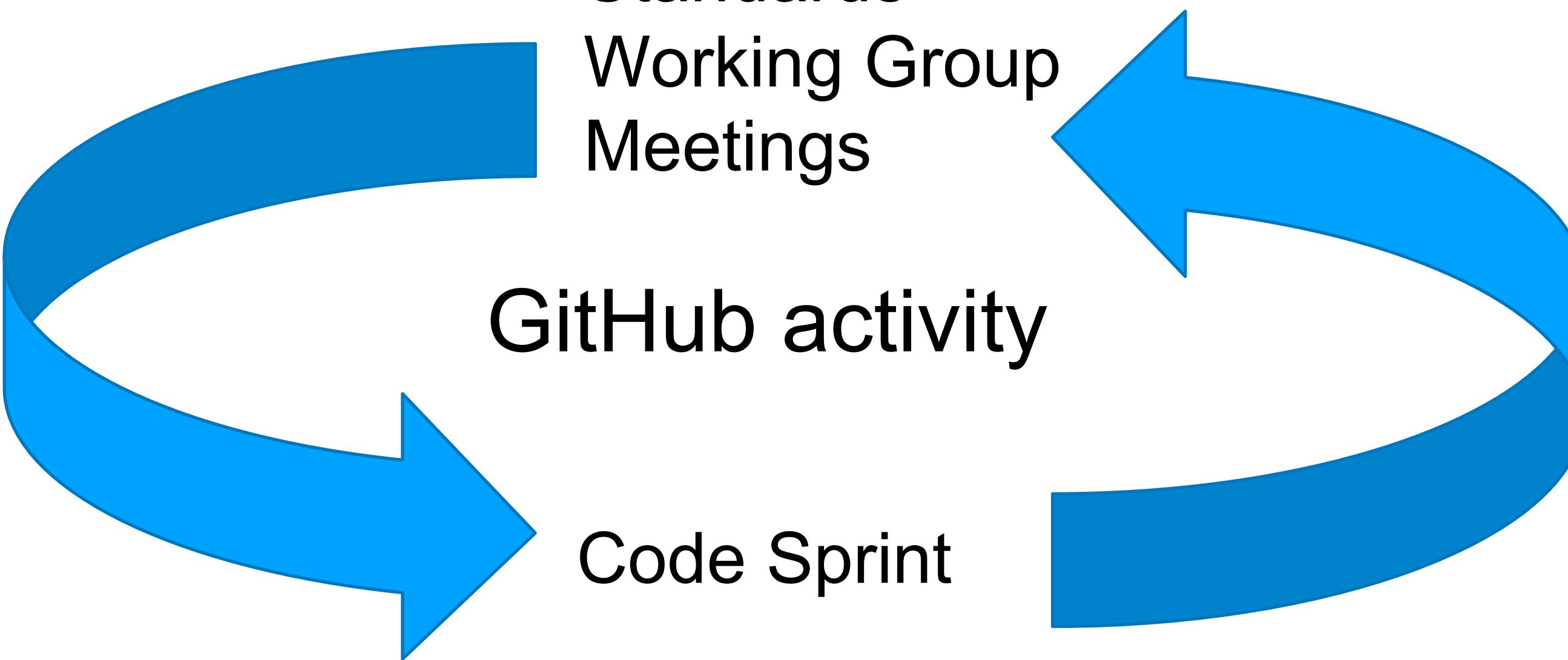


Image generated with DALL.E 2 :<https://openai.com/dall-e-2/>

OGC Code Sprints

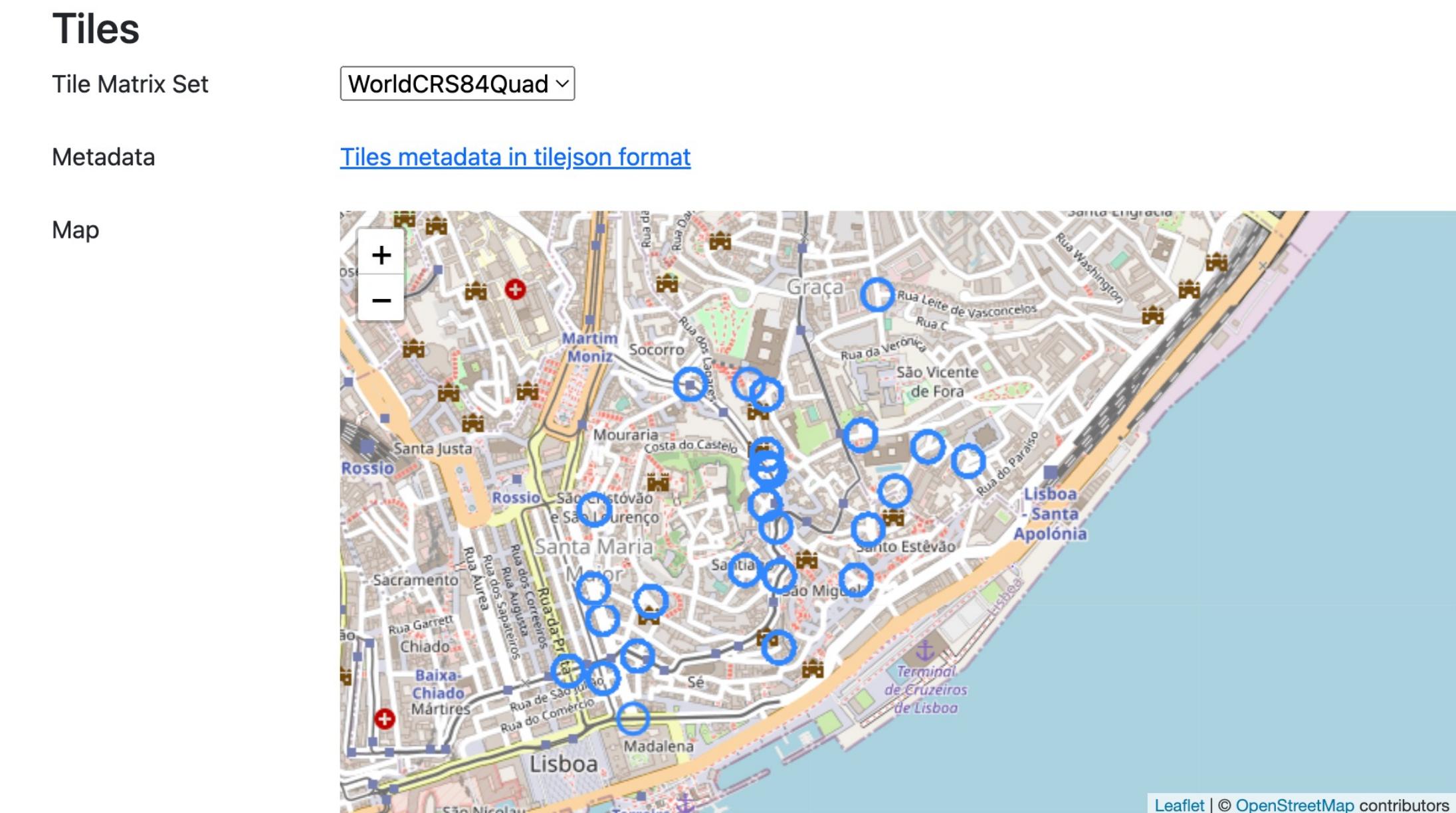


- Support the development of the standards.
- Support the development of implementations of the standards.
- Create awareness about the standards.

Web Mapping Code Sprint

Focused on standards which support creating interactive maps on the web:

- OGC API - Tiles
- OGC API - Maps
- OGC API – Styles
- OGC Styles & Symbology



OGC API Tiles example: emotional cities endpoint, running on pygeoapi

Brought to you by:



Open
Geospatial
Consortium



Ordnance
Survey



Sponsor's Remarks



“Ordnance Survey helps governments make smarter decisions that ensure our safety and security, we show businesses how to gain a location data edge and we help everyone experience the benefits of the world outside.”

<https://os.uk/>

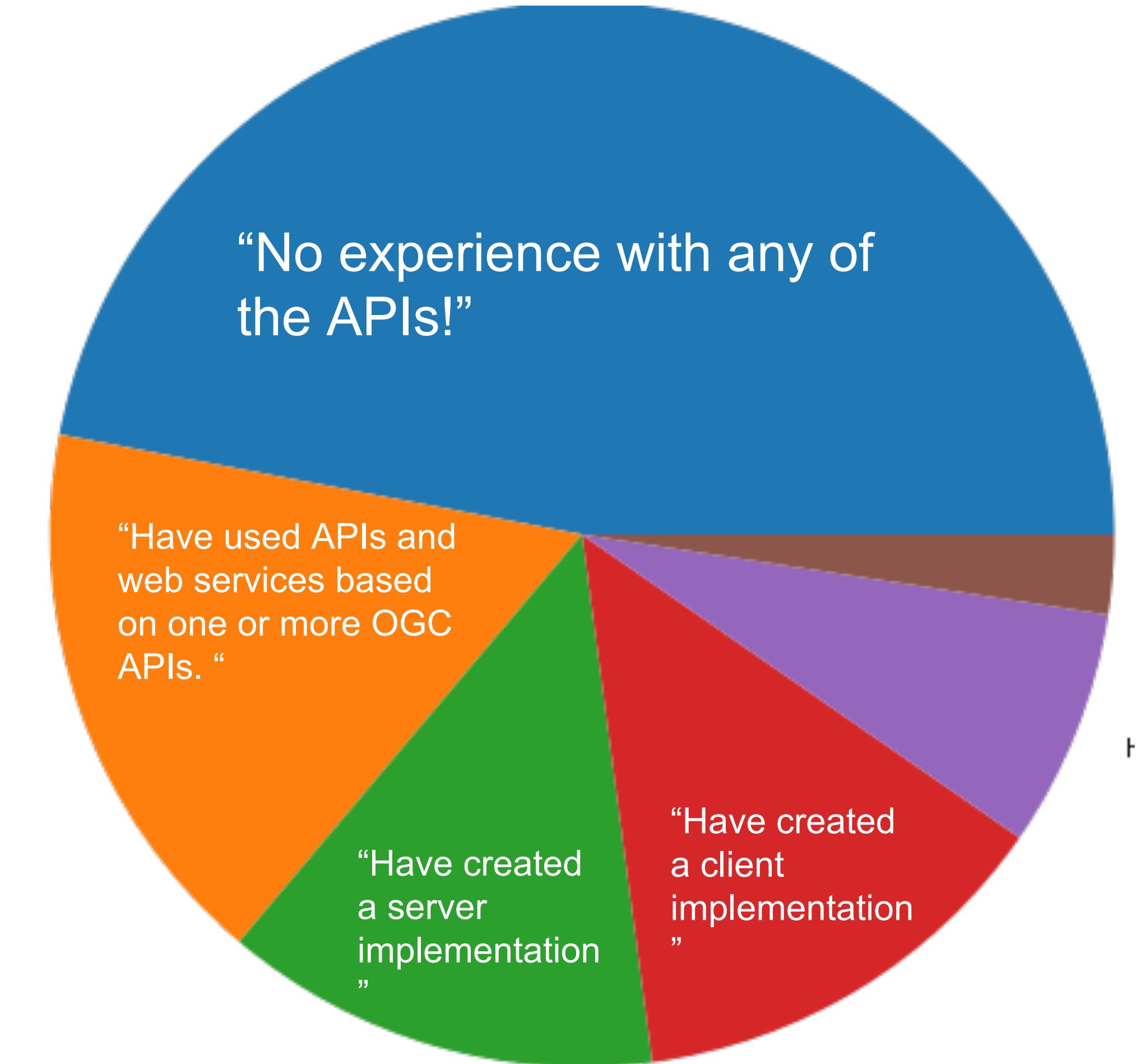
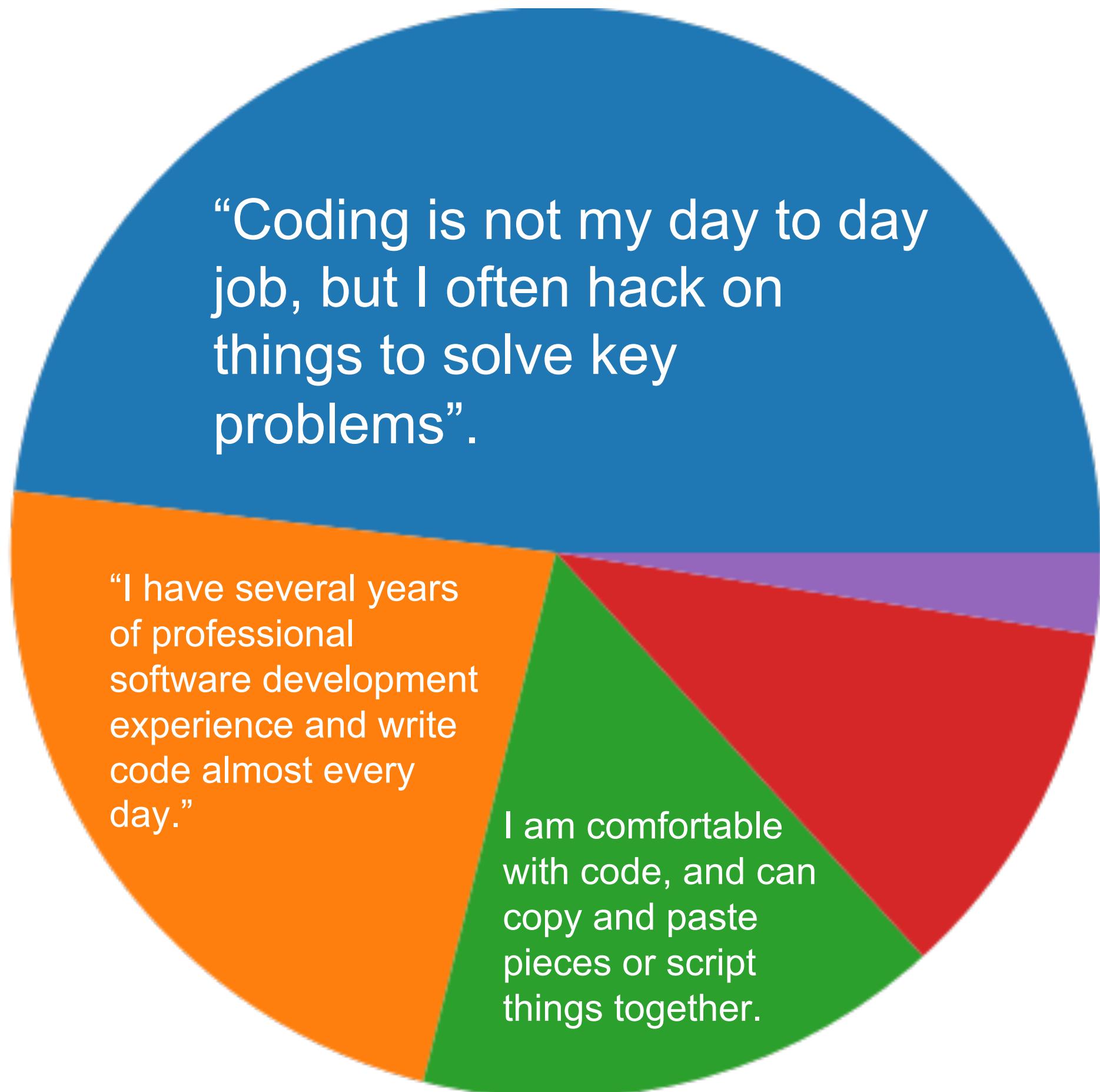
Sponsor's Remarks



“EuroGeographics is an independent international not-for-profit organisation representing Europe’s National Mapping, Cadastral and Land Registration Authorities.”

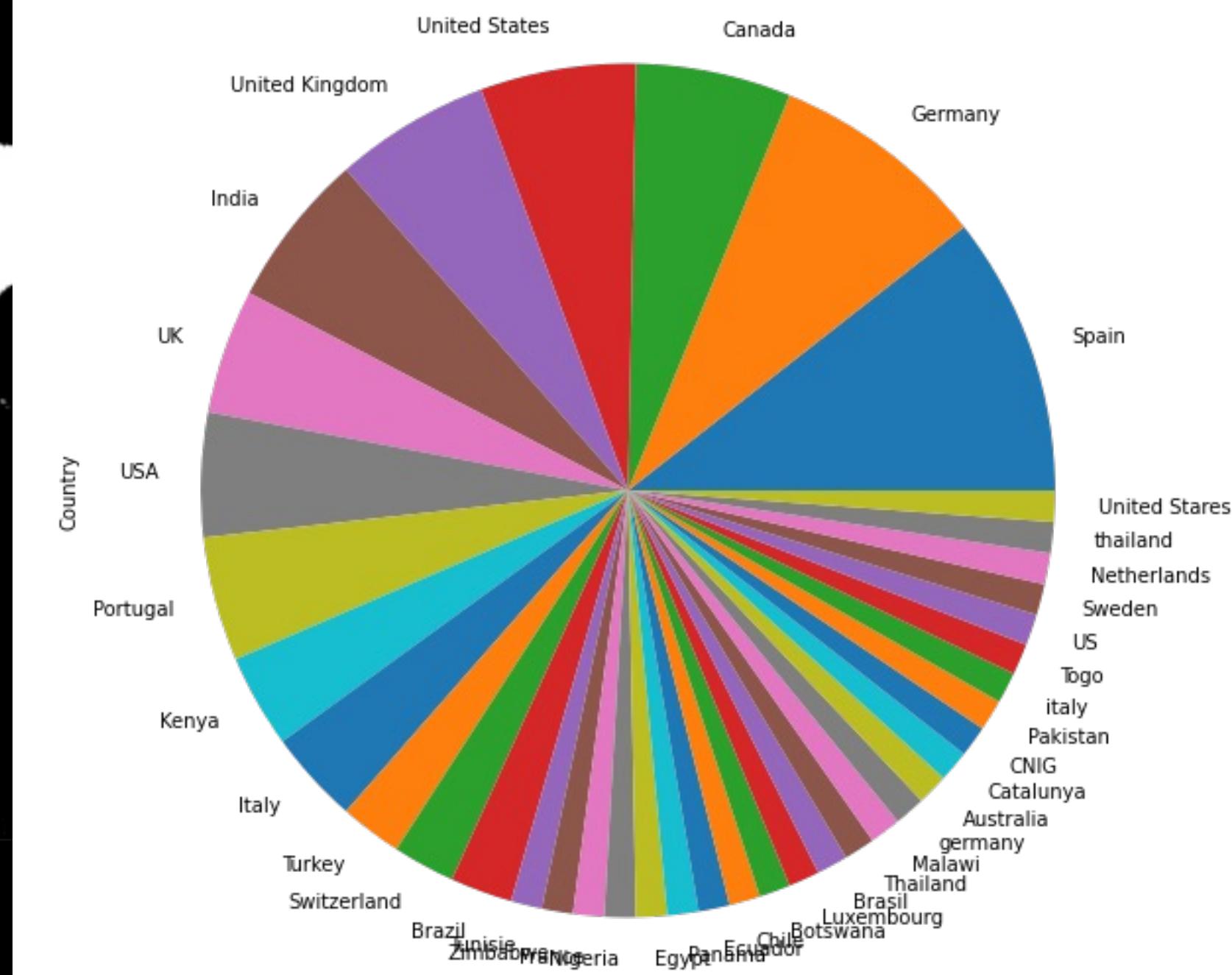
<https://eurogeographics.org/>

Who are the participants of this sprint?



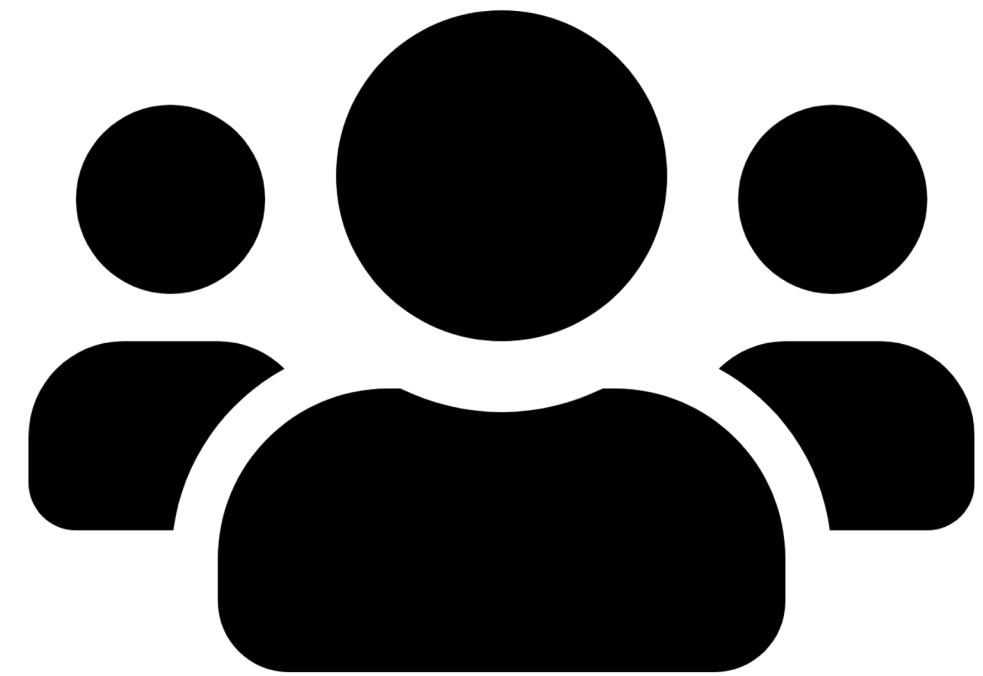
Data from: 17/11/2022

Where do they come from?

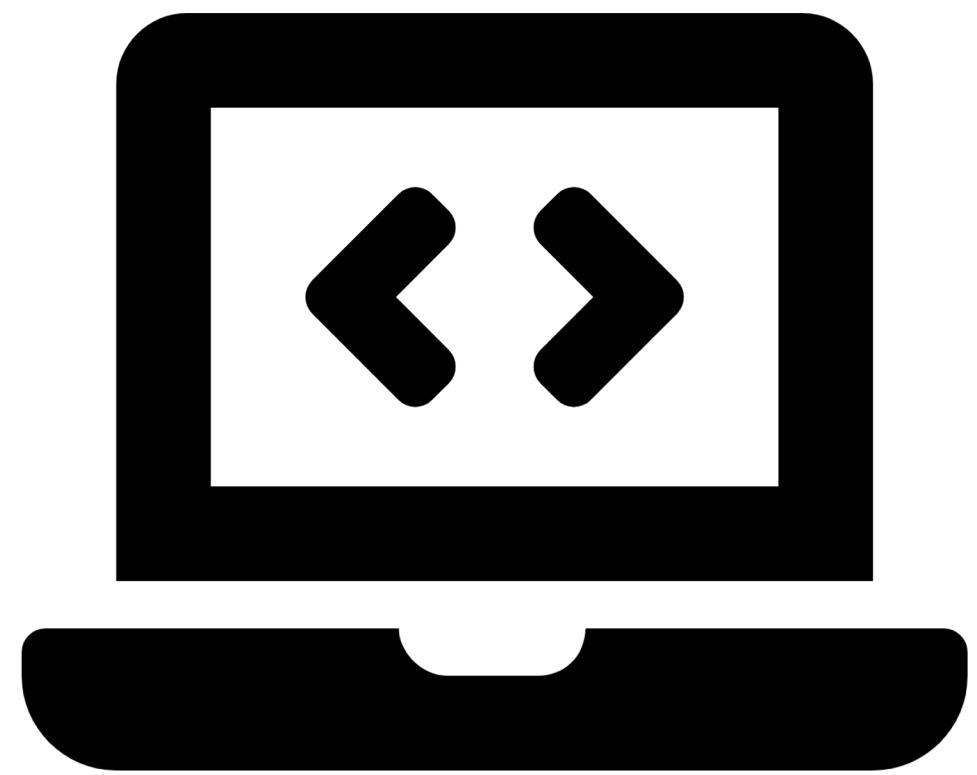


Data from: 17/11/2022

What happens during the code sprint?



Discussions

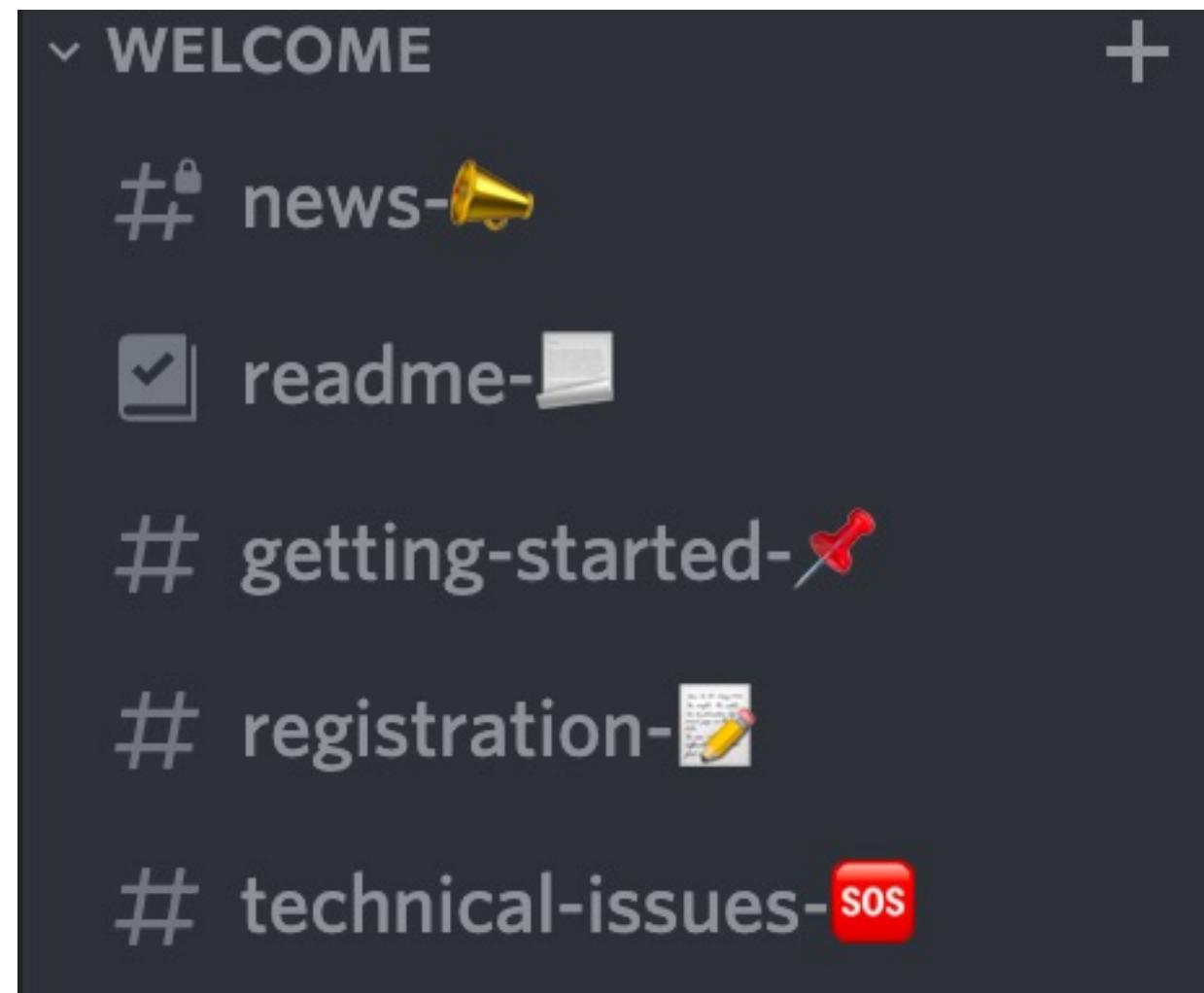


Independent Work

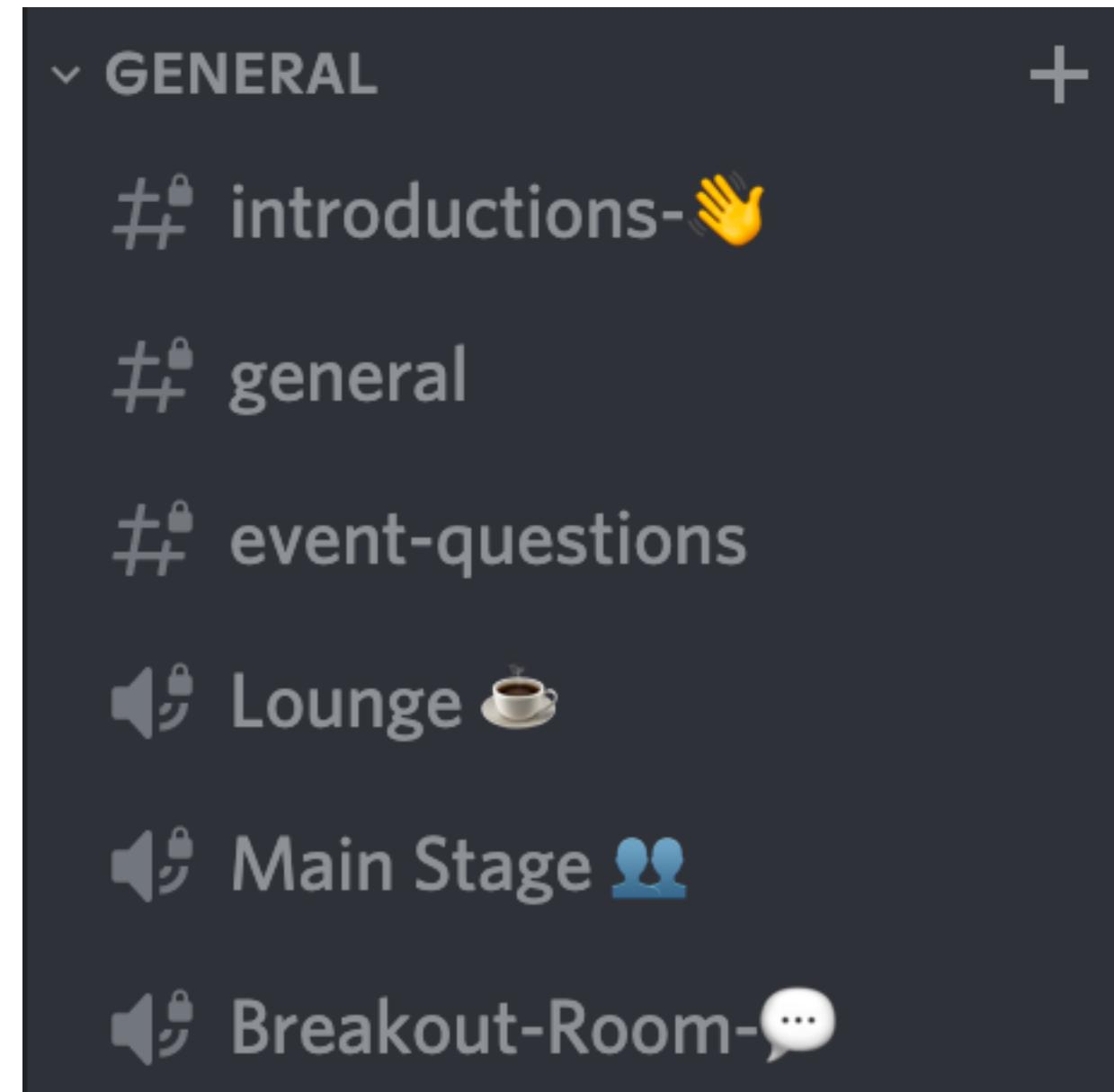


Mentor Stream

OGC Events Discord Server



Meta channels:
check-in and
general info

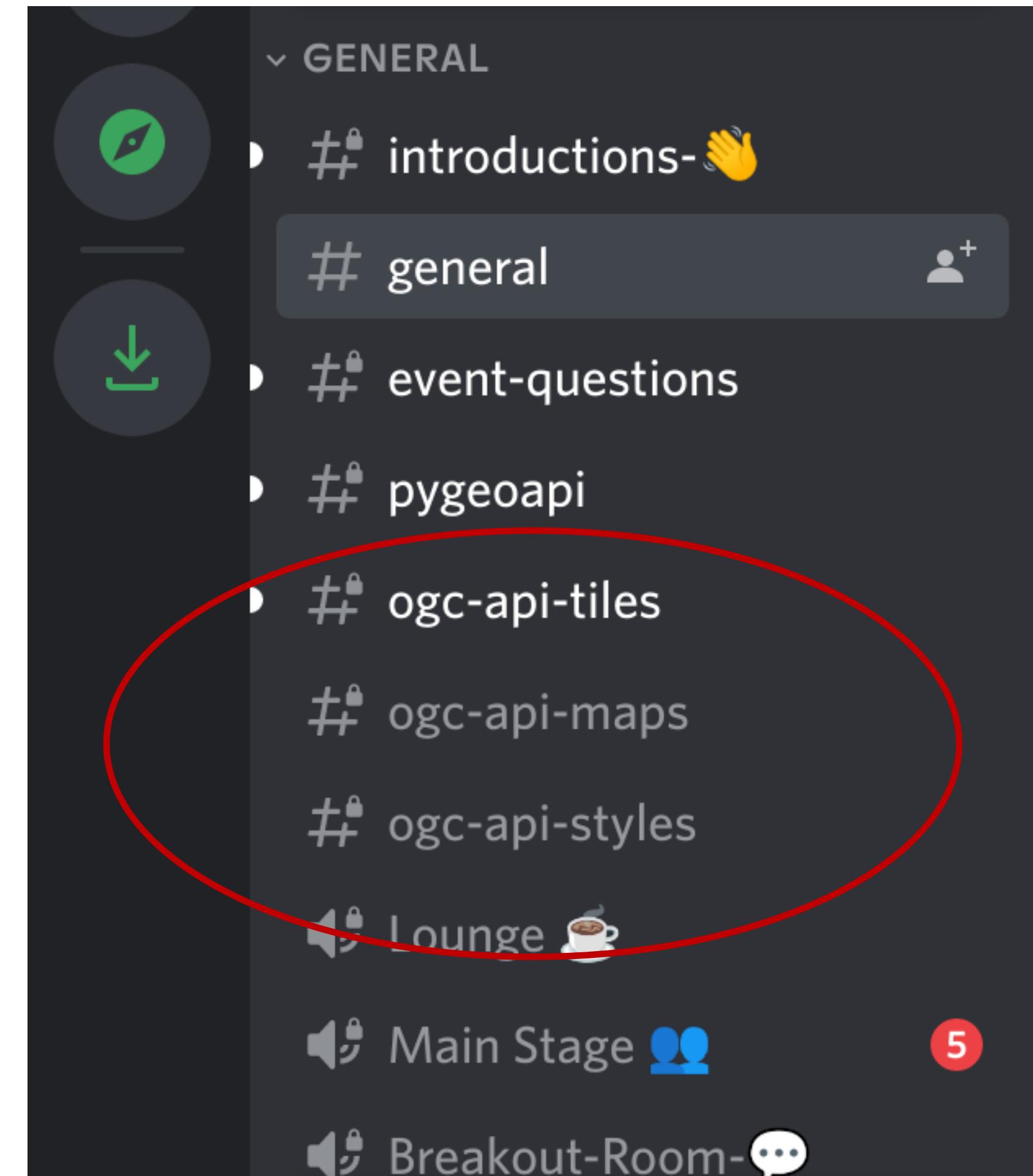
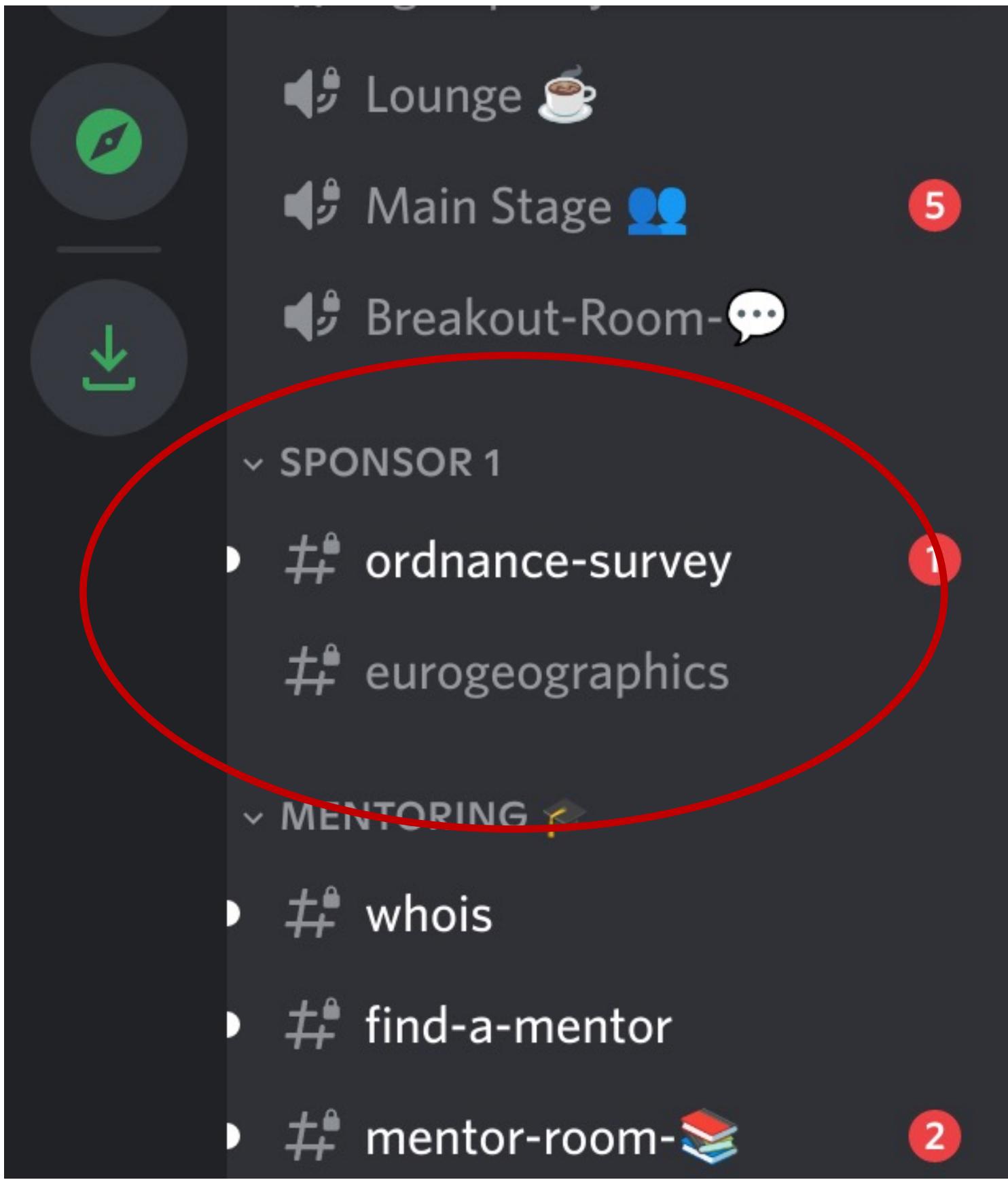


Mentor stream:
tutorials, 1:1
mentoring



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

Added channels

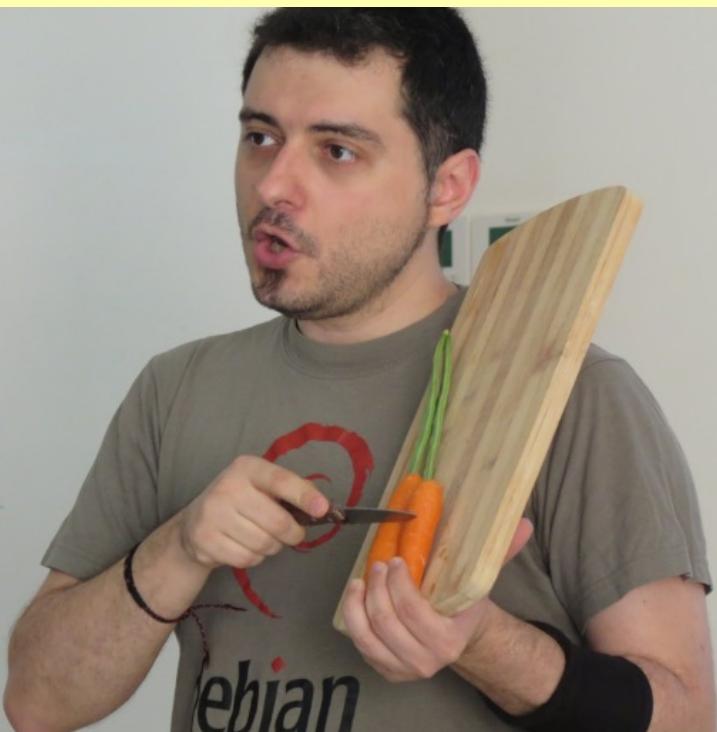


Tutorials



Tuesday, 29th November, 13:40 -
14:30 CET 

A look inside a Leaflet client for OGC API Maps



Iván Sánchez Ortega
- Freelance GIS+JS
developer; OSGeo
charter member.

Wednesday, 30th November,
11:30 - 12:30 CET 

Delivering Vector Tiles using pygeoapi



Krishna Lodha -
Open source GIS
Developer | Content
Creator

Mundo Madou

- Main Room: Artemisia
- Two additional breakout rooms
- Cafeteria



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

Day #1 - Tuesday, the 29th of November, 2022

2022-11-29		Day #1: Kick-Off	
	09:00 - 09:15 CET	Welcome Remarks - Joana Simoes	V:  #Main Stage
	09:15 - 09:30 CET	Overview and Sprint Goals for OGC API - Tiles - Jérôme St-Louis & Joan Maso Pau	V:  #Main Stage
	09:30 - 09:45 CET	Overview and Sprint Goals for OGC API - Maps - Jérôme St-Louis & Joan Maso Pau	V:  #Main Stage
	09:45 - 10:00 CET	Overview and Sprint Goals for OGC API - Styles - Clemens Portele	V:  #Main Stage
	10:00 - 10:15 CET	Overview and Sprint Goals for OGC Styles & Symbology - Jérôme St-Louis	V:  #Main Stage
	10:15 - 10:30 CET	Q&A	V:  #Main Stage
	10:30 - 12:10 CET	Practical work	V:  #Breakout Room
	12:10 - 12:30 CET	Open Maps for Europe Portal - Presentation by EuroGeographics	V:  #Main Stage
	12:30 - 13:30 CET	Lunch	
	13:30 - 17:00 CET	Practical work	V:  #Breakout Room
	17:00 - 18:00 CET	Early dinner	
	18:00 - 20:00 CET	Practical work	V:  #Breakout Room
	20:00 - 21:00 CET	Daily Brief Back	V:  #Main Stage

Day #2 - Wednesday the 30th of November, 2022

2022-11-30		Day #2	
	09:00 - 10:00 CET	Practical work	V:👤 #Breakout Room
	10:00 - 11:00 CET	Stand-up & demos	V:🏛️ #Main Stage
	11:00 - 12:30 CET	Practical work	V:👤 #Breakout Room
	12:30 - 13:30 CET	Lunch	🍜
	13:30 - 17:00 CET	Practical work	V:👤 #Breakout Room
	17:00 - 18:00 CET	Early dinner	🍝
	18:00 - 18:40 CET	Next generation data for Great Britain and OGC APIs: improving the developer experience - Michael Gordon	V:🏛️ #Main Stage
	18:40 - 20:00 CET	Practical work	V:👤 #Breakout Room
	20:00 - 21:00 CET	Daily Brief Back	V:🏛️ #Main Stage

Day #3 - Thursday, the 1st of December, 2022

2022-12-1		Day #3: Final Day	
	09:00 - 10:00 CET	Practical work	V:  #Breakout Room
	10:00 - 11:00 CET	Stand-up & demos	V:  #Main Stage
	11:00 - 13:00 CET	Practical work	V:  #Breakout Room
	13:00 - 14:00 CET	Lunch	
	14:00 - 15:00 CET	Practical work	V:  #Breakout Room
	15:00 - 17:00 CET	Demos & Wrap-up	V:  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:📢 GotoMeet
	14:30 - 15:30 EDT/ 20:30 - 21:30 CEST	Wrap-up	V:📢 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:

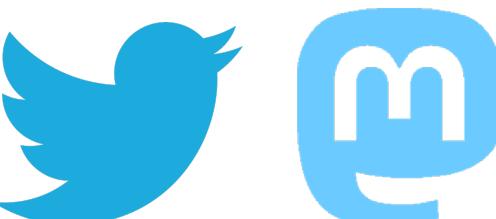
<https://github.com/opengeospatial/developer-events/>

Folder ➡ 2022/Web-Mapping-Code-Sprint

Wiki page:

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

Hashtags: #CODESPRINT19 #OGCAPI



#Introductions

The screenshot shows a Slack interface for the '#introductions' channel. The channel is locked, indicated by a padlock icon. The channel header includes the instruction: "Introduce yourself and share any links you'd like to. Please, keep the conversations in #general instead." Below the header, there's a large "Welcome to #introductions!" message from a user named Mats Åhlin - CM ISO/TC 211. This message was posted on October 20, 2021. Another message from doublebyte follows, posted on November 9, 2021, introducing Joana Simoes as a Data Engineer/Data Scientist and Developer Relations at OGC, accompanied by a yellow clapping hands emoji.

OGC Events

#introductions Introduce yourself and share any links you'd like to. Please, keep the conversations in #general instead.

NEW UNREADS

- #judging
- #mod-log
- Staff War Room

GENERAL

- #introductions
- #general
- #event-questions
- Lounge
- Main Stage
- adesugbaa

Breakout Room

SPONSOR 1

- #sponsor-1

ACTIVITIES

MENTORING

- #whois
- #find-a-mentor
- #mentor-room
- Mentor Room

doublebyte #8420

EVENT STAFF — 2

- doublebyte
- Scott Simmons OGC

ONLINE — 6

- adesugbaa
- bgrotan Playing Zwift
- Flavia R Ferreira
- francbartoli
- greenscar
- SAT

OFFLINE — 28

- ajay.gondane
- AntoC
- Cameron Wilson
- Carlos Mota
- carlospalma
- cportele
- Daniel Lugo

Message #introductions

Overview and Sprint Goals for OGC API - Tiles

An aerial photograph taken from an airplane window, showing a vast landscape covered in snow and ice. In the foreground, there are dark, snow-covered fields and roads. In the middle ground, a range of snow-capped mountains is visible, partially obscured by white clouds. The sky above is a clear, pale blue. The overall scene is cold and expansive.

Overview and Sprint Goals for OGC API - Maps



Overview and Sprint Goals for OGC API - Styles

An aerial photograph taken from an airplane window, showing a vast landscape covered in snow and ice. In the foreground, there are dark, snow-covered fields and roads. In the middle ground, a range of snow-capped mountains is visible, partially obscured by white clouds. The sky above is a clear, pale blue. The overall scene is cold and serene, with the white of the snow and clouds contrasting against the blue of the sky.

Overview and Sprint Goals for OGC Styles & Symbology





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

