

# New GGOS Governing Board

L. Sánchez ([lm.sanchez@tum.de](mailto:lm.sanchez@tum.de))  
GGOS President

Deutsches Geodätisches Forschungsinstitut (DGFI-TUM),  
Technische Universität München, Germany

GGOS Days 2023  
Alcalá de Henares, Spain, Sep 20 - 22, 2023

# GGOS Organisational Structure

The Terms of Reference of GGOS are regularly updated according

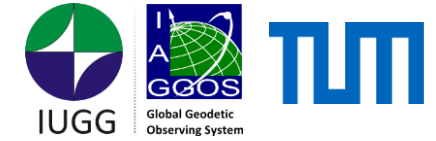
- to changes in the IAG Statutes and Bylaws,

- new strategic challenges for GGOS, or

- organisational refinements

to meet new user needs or to be in line with global initiatives in geodesy matters,

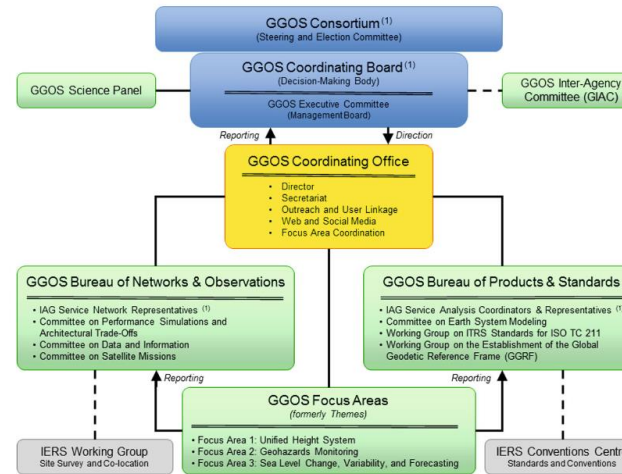
- major revisions in 2007, 2011, 2016, 2020, 2023.



Geodesist's Handbook 2012,  
<https://doi.org/10.1007/s00190-012-0584-1>



Figure 1: GGOS Organization Chart 2011

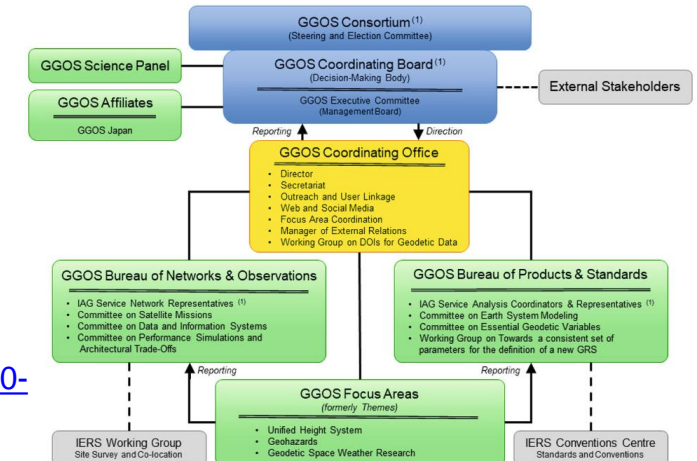


<sup>(1)</sup>GGOS is built upon the foundation provided by the IAG Services, Commissions, and Inter-Commission Committees

Fig. 1 GGOS organizational chart 2016

Geodesist's Handbook, 2020,  
<https://doi.org/10.1007/s00190-020-01434-z>

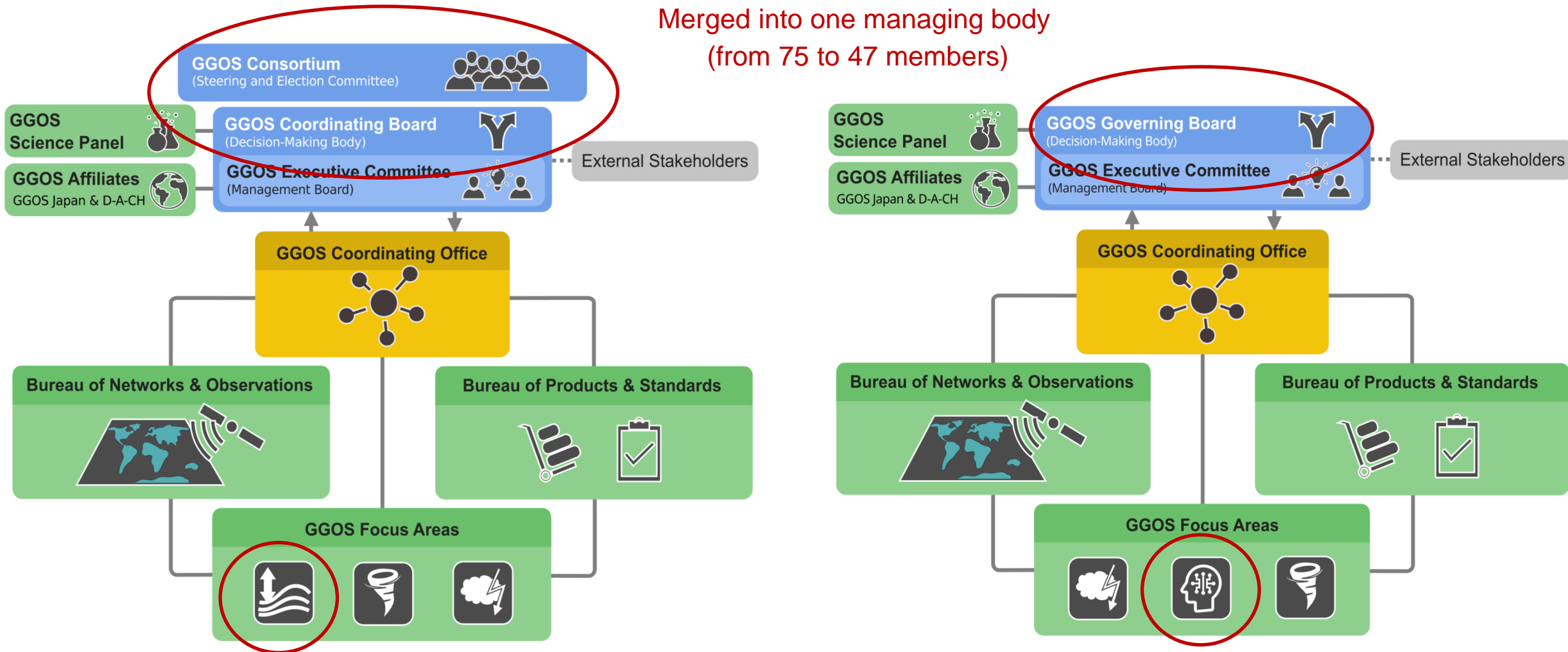
Geodesist's Handbook, 2016,  
<https://doi.org/10.1007/s00190-016-0948-z>



<sup>(1)</sup>GGOS is built upon the foundation provided by the IAG Services, Commissions, and Inter-Commission Committees

Fig. 1 Organization structure of GGOS (December 2019)

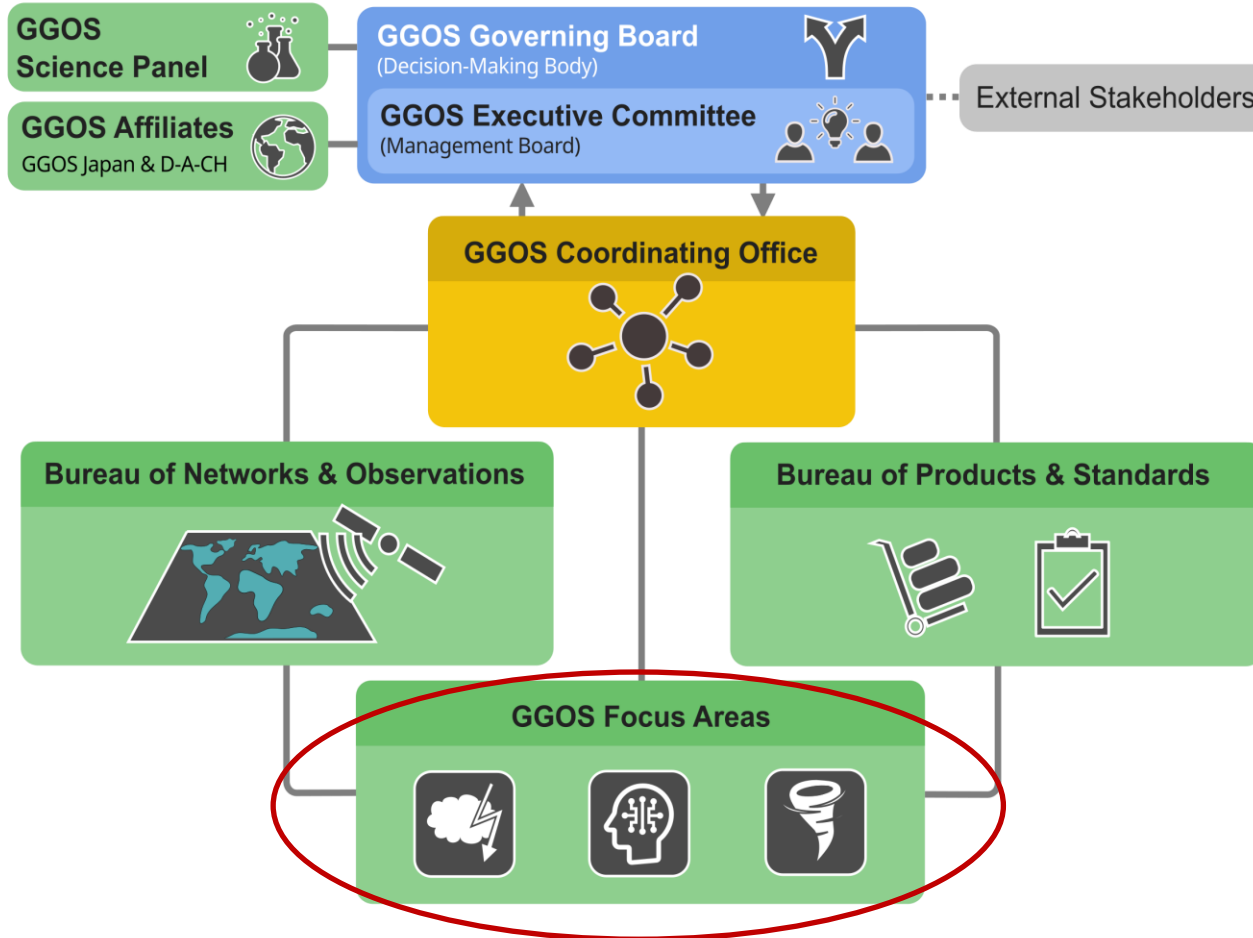
# Recent changes in the GGOS Structure



Focus Area Unified Height System completed (decommissioned in July 2023)

New Focus Area AI4G (May 2023)

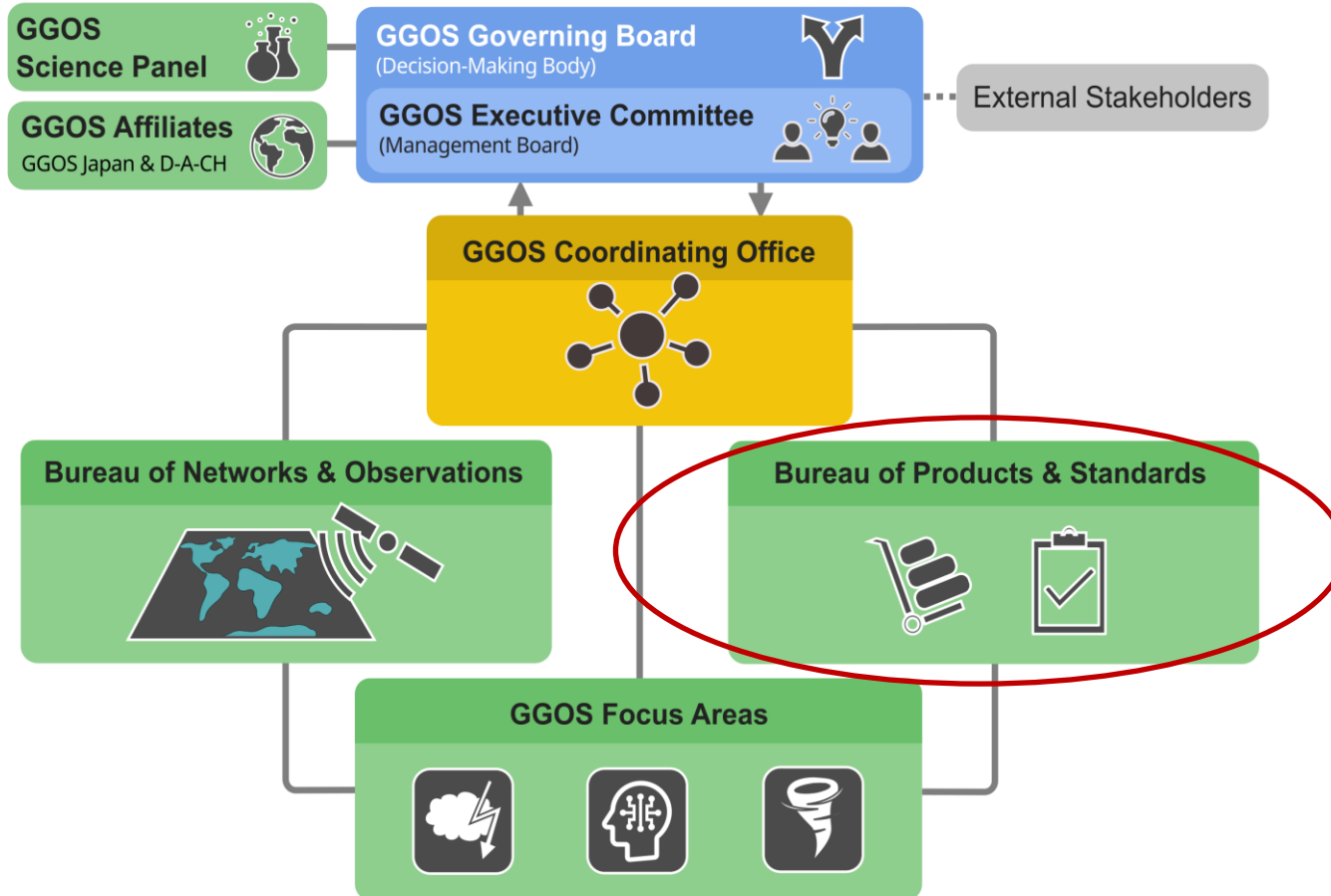
# GGOS structural elements



The GGOS Focus Areas (formerly known as GGOS Themes) are intended to face broader issues that require the concurrence of different IAG components to be solved. They

- are cross-disciplinary
- are meant to consider gaps and needed future geodetic products, and
- are incubators of new research fields.

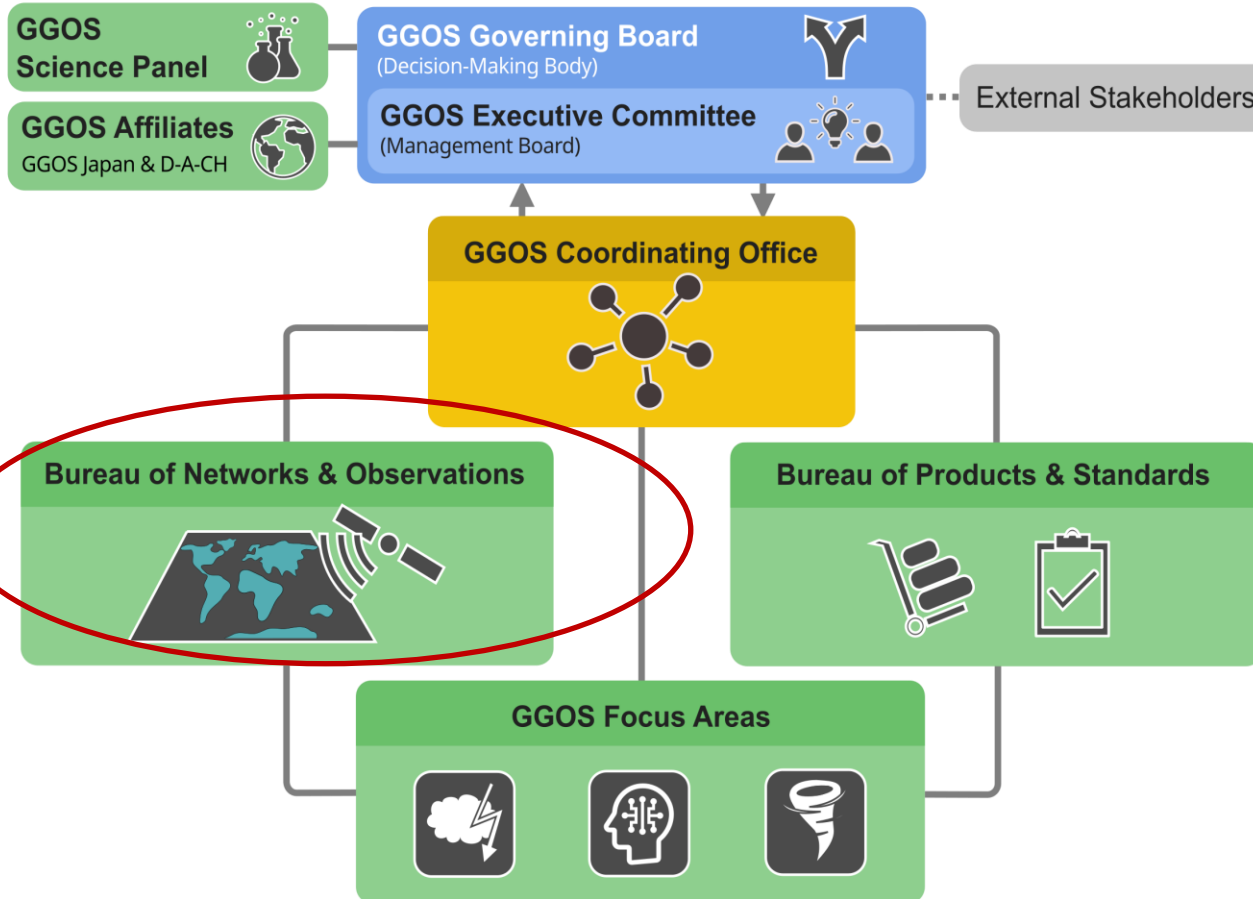
# GGOS structural elements



## The GGOS Bureau of Products and Standards (GGOS-BPS)

- monitors the use of unified standards across the IAG Components,
- reviews, evaluates and recommends standards related to geodesy adopted by other organisations such as ISO, IAU, IUGG, CODATA, etc.
- identifies possible gaps in standards and products, and initiates steps to fill them.

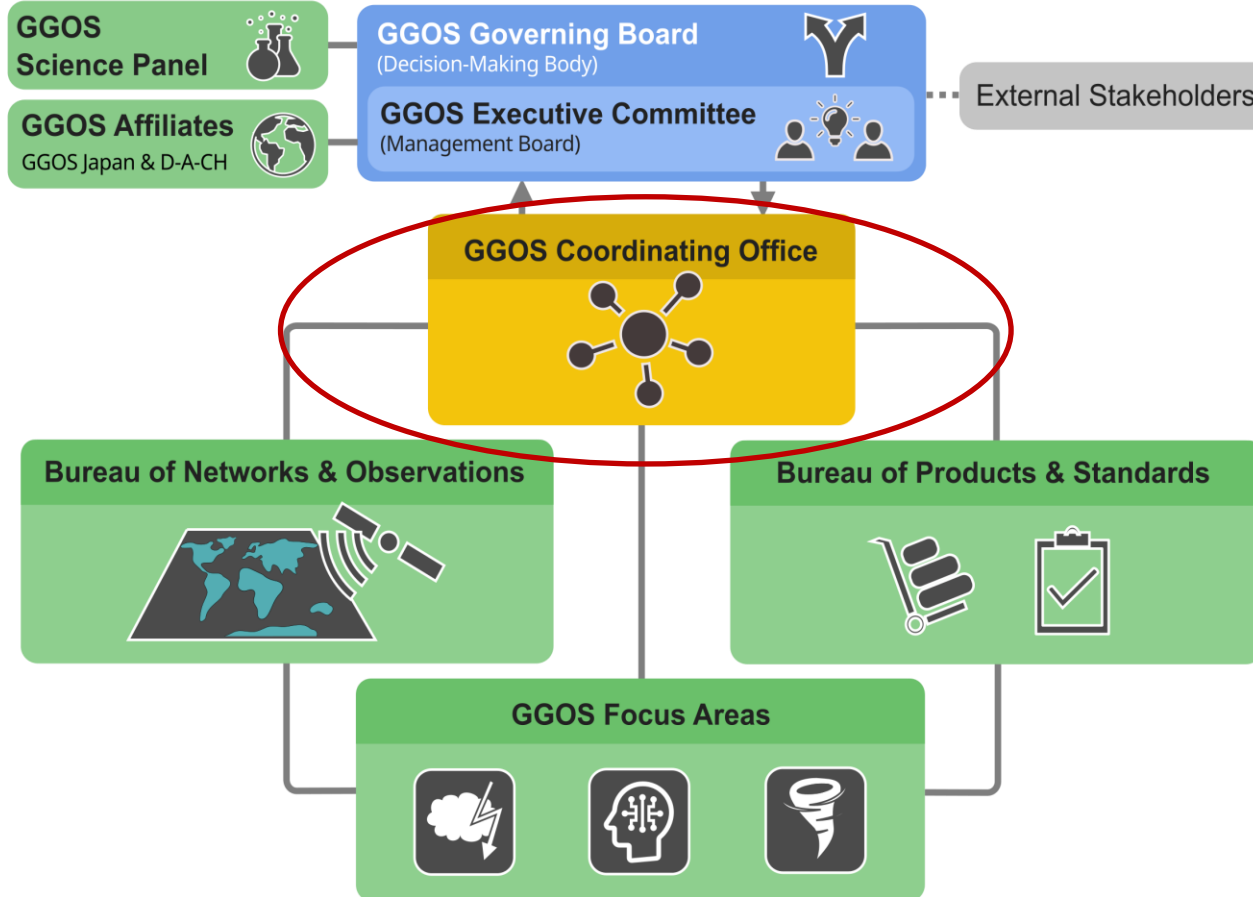
# GGOS structural elements



## The GGOS Bureau of Networks and Observations (GGOS-BNO)

- develops a strategy to design, integrate and maintain the fundamental geodetic infrastructure including communication and data flow;
- monitors the status of the networks and advocates for implementation of core and other co-located network sites and improved network performance.

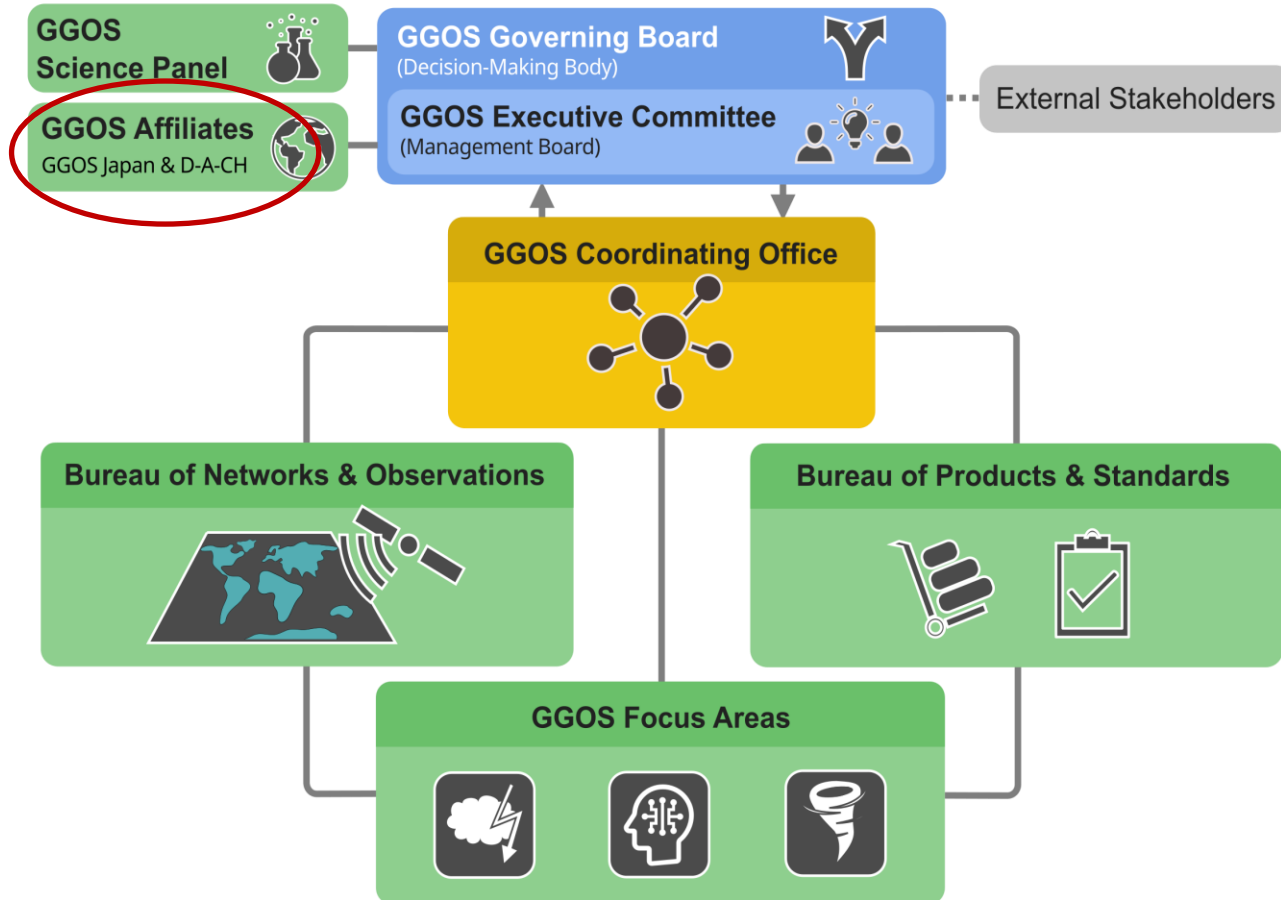
# GGOS structural elements



## The GGOS Coordinating Office (GGOS-CO)

- serves as the Secretariat of GGOS,
- coordinates the administrative work in support of the various GGOS structural elements,
- is responsible for outreach and communications,
- maintains, manages, and coordinates the GGOS web and social media presence,
- hosts the position of Manager of External Relations.

# GGOS structural elements

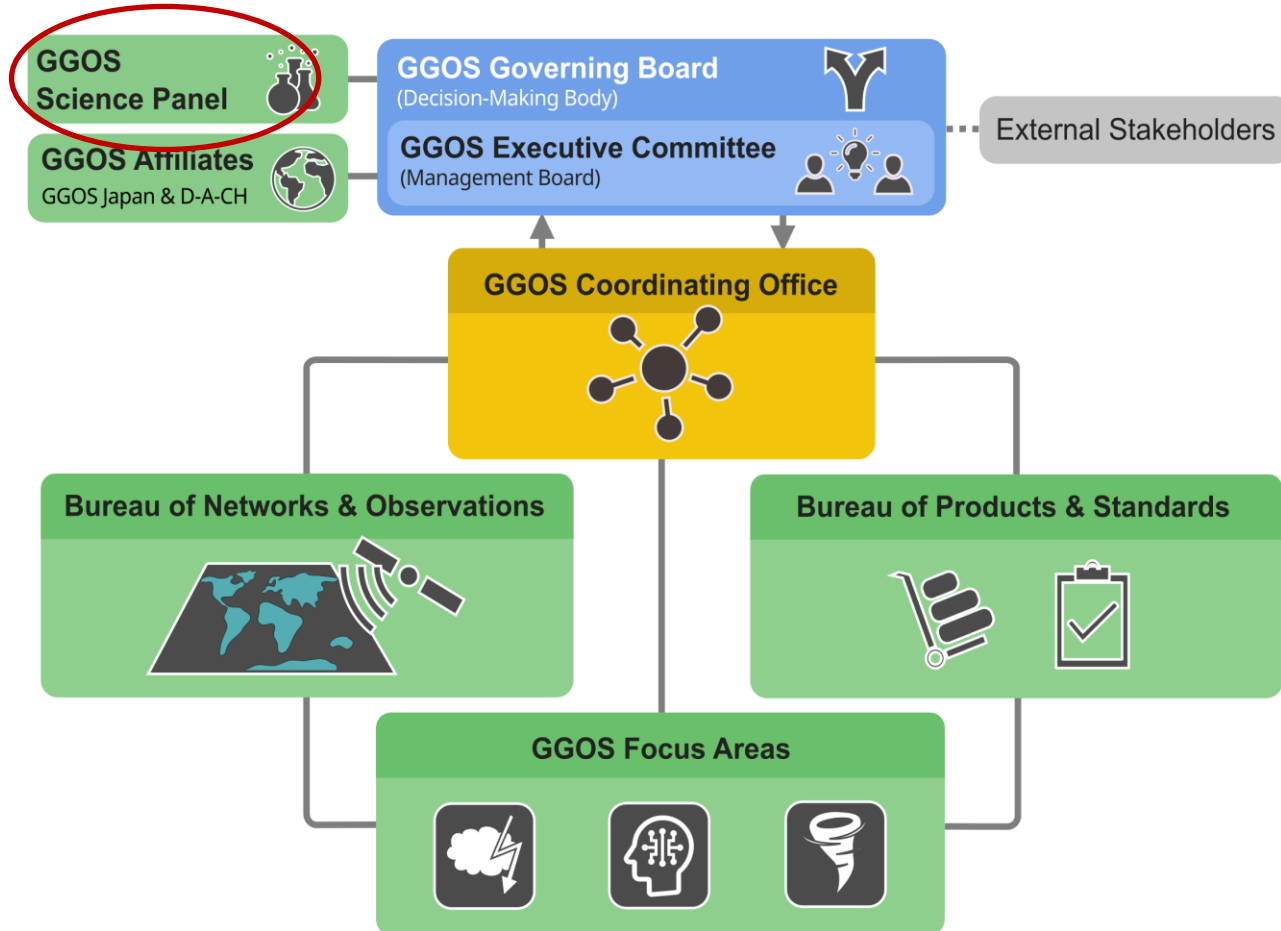


## GGOS Affiliates

- are national or regional organisations that coordinate geodetic activities in that country or region,
- allow increased participation in GGOS at the regional level.



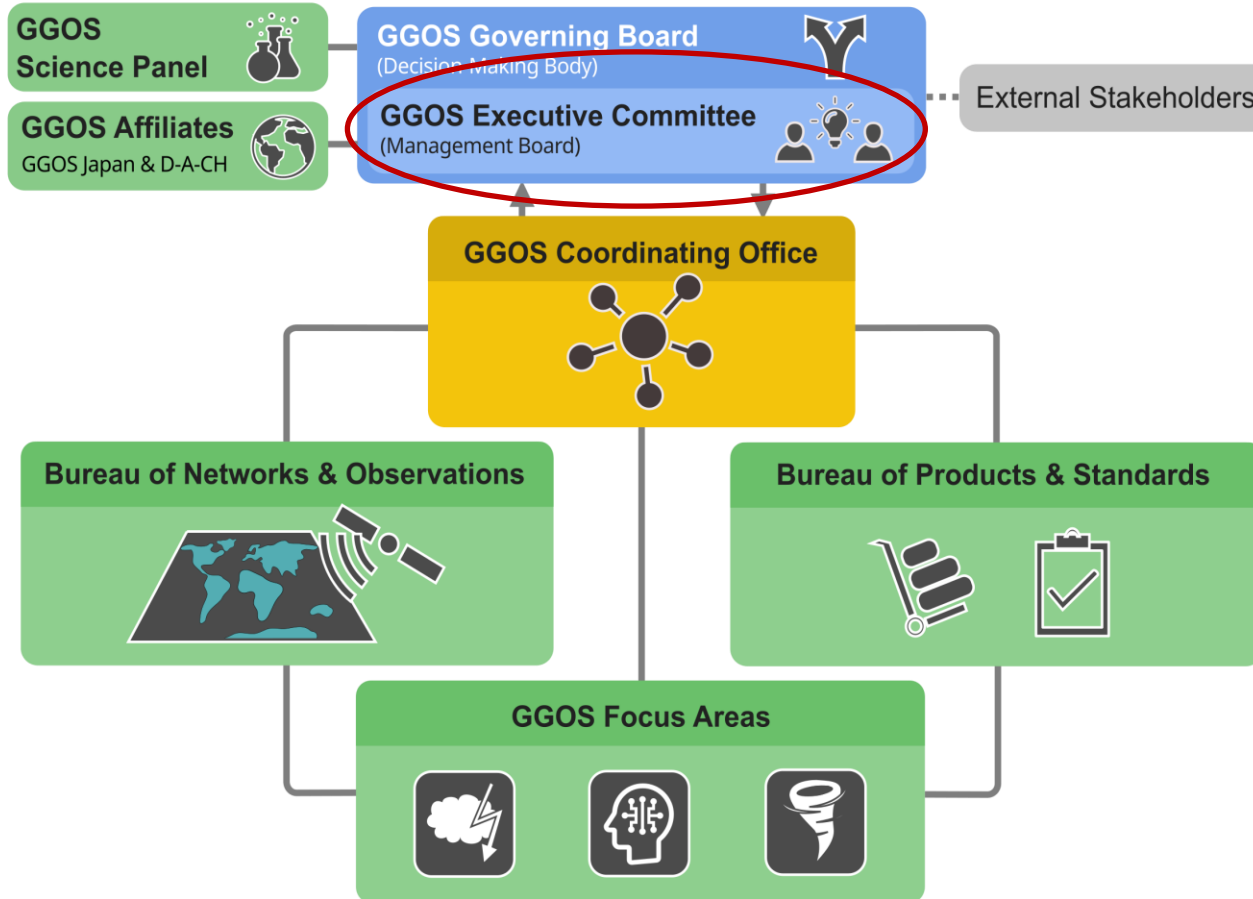
# GGOS structural elements



## GGOS Science Panel (GGOS-SP)

- is composed of leading experts in geodesy and other Earth sciences,
- provides advice and recommendations to GGOS on scientific aspects relevant to GGOS as requested,
- coordinates the realisation of GGOS Sessions in scientific conferences (IUGG, IAG, AGU, EGU,...).

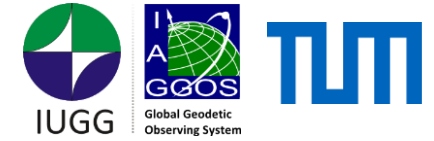
# GGOS structural elements



## GGOS Executive Committee (GGOS-EC)

- serves under the direction of the GGOS Governing Board to carry out the day-to-day activities of GGOS,
- is responsible for the comprehensive and coordinated design, achievement, and progress monitoring of the GGOS Implementation Plan,
- its members represent the main structural elements of GGOS.

# Members of the GGOS Executive Committee



---

## Executive Committee Members

---

GGOS President (ex-officio)	1
GGOS Vice President (ex-officio)	1
GGOS Bureau Directors (ex-officio)	2
GGOS Coordinating Office Director (ex-officio)	1
GGOS Manager of External Relations (ex-officio)	1
GGOS Governing Board Representatives	2
<i>Total</i>	<i>8</i>

---

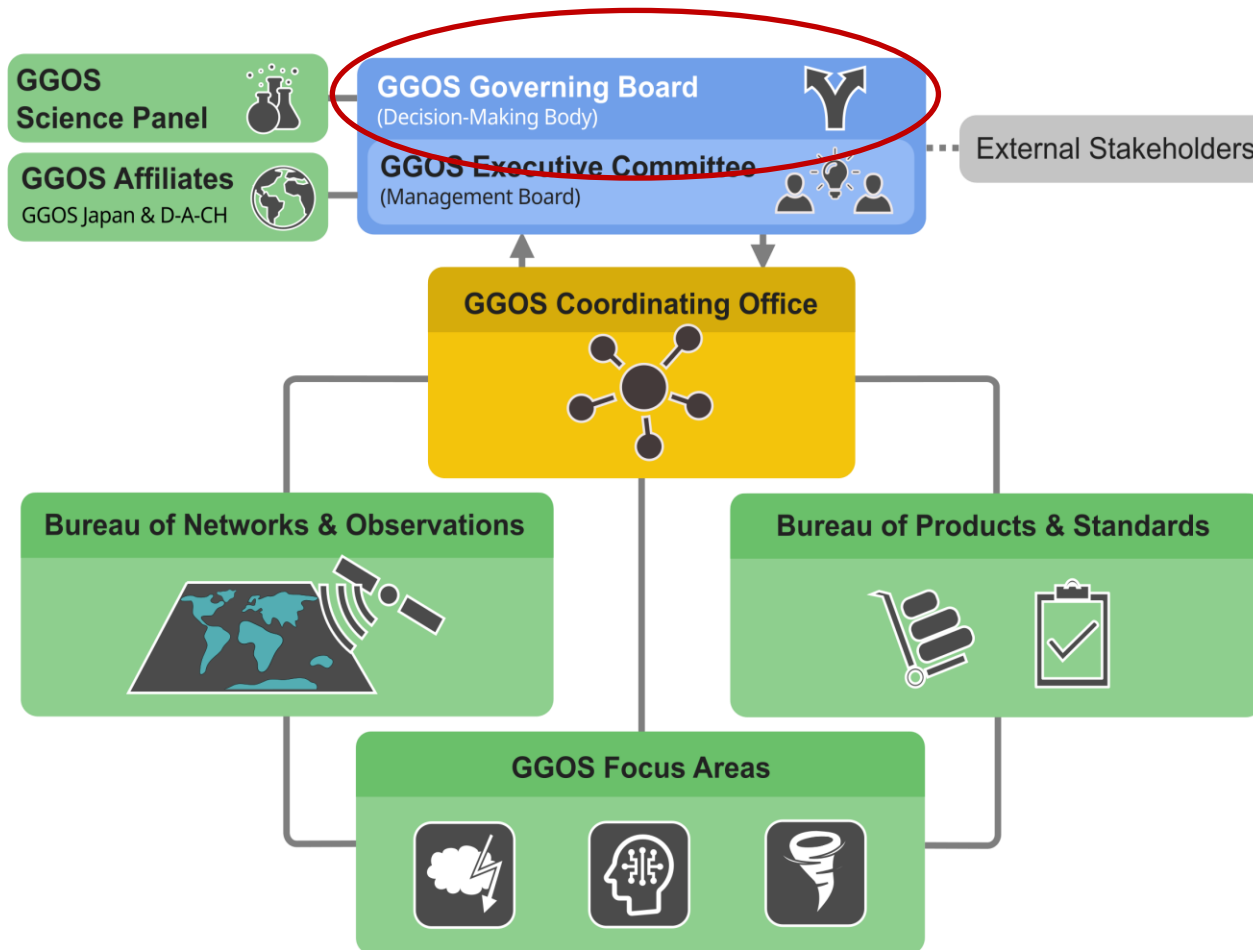
## Permanent guests

---

Immediate Past President of GGOS (ex-officio)	1
IAG President or designated Representative (ex-officio)	1
GGOS Science Panel Chair (ex-officio)	1
<i>Total</i>	<i>3</i>

---

# GGOS structural elements



## GGOS Governing Board (GGOS-GB)

- is the central oversight and decision-making body of GGOS and the collective voice for all GGOS matters,
- is responsible for governance, strategic policy and direction.

# GGOS Governing Board Membership

## Voting Members

GGOS President (ex-officio, votes in case of a tie)	1
GGOS Vice President (ex-officio)	1
Immediate Past President of GGOS (ex-officio)	1
IAG President or designated Representative (ex-officio)	1
IAG Service Representatives	12 (as of July 2023)
IAG Commissions Representatives	4
IAG Inter-Commission-Committee Representatives	3
IAG Project Representatives	1 (as of July 2023)
GGOS Science Panel Chair (ex-officio)	1
GGOS Bureau Directors (ex-officio)	2
GGOS Affiliate Representatives	2 (as of July 2023)
GGOS Coordinating Office Director (ex-officio)	1
GGOS Manager of External Relations (ex-officio)	1
GGOS Focus Area Leads (ex-officio)	3 (as of July 2023)
GGOS Committee Chairs (ex-officio)	6 (as of July 2023)
Members-at-Large (elected by the GGOS Governing Board)	3
Appointed Members (appointed by the GGOS Executive Committee)	2
<i>Total</i>	<i>45 (as of July 2023)</i>

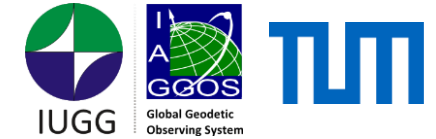
## Non-voting members

GGOS Working Group Chairs (ex-officio)	9 (as of July 2023)
GGOS Web and Social Media Manager (ex-officio)	1
<i>Total</i>	<i>10 (as of July 2023)</i>

## Total GGOS Governing Board membership

**55**

# GGOS Governing Board voting members (as of 2023-09-19)

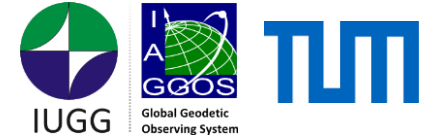


<b>IAG President</b>	Richard Gross, USA
<b>Reference Frames</b>	Christopher Kotsakis, Greece
<b>Gravity Field</b>	Derek Van Westrum, USA
<b>Earth Rot. and Geodyn.</b>	Rebekka Steffen, Sweden
<b>Positioning and Applications</b>	Krzysztof Sośnica, Poland
<b>ICC Theory</b>	Pavel Novak, Czech Republic
<b>ICC Climate Research</b>	Annette Eicker, Germany
<b>ICC Marine Research</b>	Pierre Sakic, France
<b>Project QuGe</b>	Jürgen Müller, Germany
<b>IERS</b>	Daniela Thaller, Germany
<b>IDS</b>	Karine Le Bail, Sweden
<b>IGS</b>	<b>tbd</b>
<b>ILRS</b>	Toshimichi Otsubo, Japan
<b>IVS</b>	Lucia McCallum, Australia
<b>PSMSL</b>	Elizabeth Bradshaw, UK
<b>IGFS</b>	George Vergos, Greece
<b>BGI</b>	Sylvain Bonvalot, France
<b>ISG</b>	Urs Marti, Switzerland
<b>IGETS</b>	Christoph Förste, Germany
<b>ICGEM</b>	E. Sinem Ince, Germany
<b>IDEMS</b>	<b>tbd</b>

<b>GGOS President</b>	Laura Sánchez, Germany
<b>GGOS Vice-President</b>	<b>tbd</b>
<b>Science Panel Chair</b>	<b>tbd</b>
<b>GGOS Past-President</b>	Basara Miyahara, Japan
<b>Members at large</b>	<b>tbd</b>
<b>Appointed Members</b>	<b>tbd</b>
<b>Coordinating Office</b>	Martin Sehnal, Austria
<b>External Relations Manager</b>	Allison Craddock, USA
<b>Committee DOIs</b>	Kirsten Elger, Germany
<b>GGOS BNO</b>	Mike Pearlman, USA
<b>Committee PLATO</b>	Benjamin Männel, Germany
<b>Com. Data and Inf. Systems</b>	Ryan Ruddick, Australia
<b>Committee Space Missions</b>	Roland Pail, Germany
<b>GGOS BPS</b>	Detlef Angermann, Germany
<b>Com. Earth System Mod.</b>	Maik Thomas, Germany
<b>Committee EGV</b>	Thomas Gruber, Germany
<b>GGOS Japan</b>	Yusuke Yokota, Japan
<b>GGOS D-A-CH</b>	Hansjörg Kutterer, Germany
<b>FA AI for Geodesy</b>	Benedikt Soja, Switzerland
<b>FA Space Weather</b>	Michael Schmidt, Germany
<b>FA Geohazards</b>	Timothy Melbourne, USA

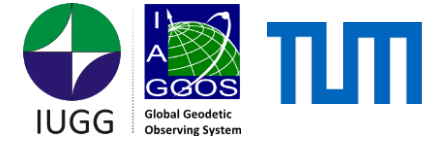
*Each primary representative can designate an alternate person who can assume the responsibilities, i.e., vote, when the primary delegate cannot attend.*

# On-going activities



- Until 30-09-2023: Complete the GGOS-GB membership (**Laura**).
- Until 30-09-2023: Nomination of candidates for the two members-at-large positions (**Laura + GGOS-EC**):
  - Elected by the other members of the GGOS-GB.
  - The GGOS President convenes an Election Committee (in this case the GGOS-EC) to propose the list of candidates.
- Until 10-10-2023: Election of the two members at large (**GGOS-GB**).
- Until 15-10-2023: Decision on the two appointed members (**GGOS-EC**) (most probably Early Career Scientists) .
- Until 31-10-2023: Election of two representatives to the GGOS-EC (**GGOS-GB**).

# Closing remarks



- As usual in the IAG, any action taken to support the implementation, development or maintenance of GGOS or its structural elements is voluntary and on a best effort basis.
- Any resources needed have to be provided by the contributing colleagues through their home institutions (universities, agencies, research institutes, etc.).
- The availability of external funding is not foreseen and everything depends on the commitment of the colleagues involved.
- Therefore, the participation and cooperation of each member of the GGOS Boards, Bureaus, Coordinating Office, Committees, Affiliates, Focus Areas, Working Groups, etc. is highly appreciated and acknowledged.