

# Global Geodetic Observing System

## Coordinating Board Meeting Minutes

May 8, 2020  
15:00-17:40 CEST  
video conference



IUGG



Global Geodetic  
Observing System

[ggos.org](http://ggos.org)

# GGOS Coordinating Board Meeting Minutes



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# GGOS Coordinating Board Meeting

## Minutes



### 1 Introduction

Date: Friday, May 8, 2020

Time:

Time Zone	Country	Time
PDT	USA West Coast	06:00-08:40
EDT	USA East Coast	09:00-11:40
GMT-3	Argentina	10:00-12:40
CEST / SAST	Europe / South Africa	15:00-17:40
JST	Japan	22:00-00:40
AEST	Australia East Coast	23:00-01:40

Venue: video-conference via GoToMeeting

Chair: Basara Miyahara-san

This GGOS CB video conference was held instead of the common face-to-face meeting during EGU General Assembly week, which was cancelled due to COVID-19 crises. The main purpose of this meeting is to give an update of recent activities of GGOS and offer enough time for discussions. Discussion bases are the short presentations in this video conference and the online presentations of GGOS components/activities during the **EGU2020: Sharing Geoscience Online** GGOS session “**The Global Geodetic Observing System: Improving infrastructure for future science**”.

### 2 Schedule

Welcome and Instruction (B. Miyahara)

30 min - Short Reports of GGOS Components: (1-2 slides | 1-2 min report + discussion)

- 05 min: **GGOS Japan** (T. Otsubo)
- 05 min: **External Relations** (A. Craddock)
- 05 min: **Bureau of Products and Standards** (D. Angermann)
- 05 min: **Bureau of Networks and Observations** (M. Pearlman)
- 05 min: **Focus Area "Unified Height System"** (L. Sanchez)
- 05 min: **Focus Area "Geodetic Space Weather Research"** (M. Schmidt)

75 min - Reports of Current Activities: (5-10 min report + discussion)

- 25 min: **Focus Area "Geohazards" and its contribution in GTEWS program** (J. LaBrecque)
- 15 min: **New GGOS Website** (M. Sehnal)
- 15 min: **GGOS Special Issue** (L. Sanchez)
- 15 min: **Working Group on "DOIs for Geodetic Data Sets"** (K. Elger)
- 5 min: **GGOS Days 2020** (B. Miyahara/D. Angerman)

15 min - Other Discussion / Decisions / Any other Business (All)

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## 3 Participants

### Coordinating Board Members:

<b>Name</b>	<b>Join &amp; Leave Times CEST</b>
Robert Heinkelmann	2:55 PM - 5:40 PM
Basara Miyahara	2:50 PM - 5:40 PM
Angermann, Detlef	2:45 PM - 5:40 PM
Martin Sehnal	2:44 PM - 5:40 PM
Schmidt, Michael	2:54 PM - 5:40 PM
Richard Gross	2:54 PM - 5:39 PM
Toshimichi Otsubo	2:52 PM - 5:40 PM
Mike Pearlman	2:52 PM - 5:40 PM
Kirsten Elger	2:56 PM - 5:40 PM
Allison Craddock	2:56 PM - 5:40 PM
Laura Sanchez	2:55 PM - 5:40 PM
Kosuke Heki	3:00 PM - 5:40 PM
John LaBrecque	2:59 PM - 5:40 PM
Riccardo Barzaghi	2:59 PM - 5:40 PM
Sean Bruinsma	3:07 PM - 3:52 PM
Daniela Thaller	3:03 PM - 5:40 PM
Urs Marti	3:03 PM - 5:40 PM
Zuheir Altamimi	3:28 PM - 5:15 PM

### Guests:

<b>Name</b>	<b>Join &amp; Leave Times CEST</b>
Susanne Glaser	2:57 PM - 5:40 PM
Benjamin Männel	3:01 PM - 4:18 PM
Erricos C. Pavlis	3:00 PM - 5:40 PM

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### 4 Summary / Major Outcome

Basara Miyahara (GGOS President) welcomed all participants to this Coordinating Board Meeting. He introduced himself, mentioned the personnel changes in the GGOS CB and EC for the current period 2019-2024 and presented the schedule of this meeting.

All presentations of this meeting are available in the GGOS Cloud and are accessible via following link: <https://cloud.ggos.org/index.php/s/xJ9Xn7EbqywB3mZ>. The major outcome of reports and discussion is shown in the following summary:

#### GGOS Japan

The Japanese station in **Kashima will be closed** during this year. GGOS Japan joined GGOS DOI Working Group. The **JpGU-AGU Joint Conference** with an GGOS session was postponed from May to July 12-16 2020 and will be held as an online meeting.

(EGU online contribution: <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-3244.html>)

#### External Relations

GGOS have a many relations to external partners with a lot of progress in the disaster theme. There is a new relationship to the external partner **Geodesy4Sendai** in the environment of GEO (Group on Earth Observations). IAG/GGOS leads the new GEO Geodesy4Sendai community activities. GGOS also participates in the **CEOS Working Group on Disasters** and have a seat in the **UN GGIM Subcommittee on Geodesy** with participation e.g. in the **WG on Disasters**.

(EGU online contribution: <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-6540.html>)

#### BPS - Bureau of Products and Standards

The **new Working Group** "Towards a consistent set of parameters for the definition of a new GRS" (chaired by Urs Marti) was established in December 2019. The BPS **updated the BPS inventory** which will be additionally published in "The Geodesist's Handbook 2020" and it is currently under review. The BPS also contributes in the **revision of the IERS Conventions**.

(EGU online contribution: <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-7930.html>)

#### BNO - Bureau of Networks and Observations

The two Committees and IERS Working Group in the BNO were reorganized and have a new leadership. All geodetic services are focusing on **contribution in ITRF2020**. The BNO is working to expand the **GGOS network** and to strengthen links in Latin America.

(EGU online contribution: <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-22473.html>)

#### Focus Area "Unified Height System"

FA UHS is working on the Implementation of the IHRS / IHRF and is preparing a **first solution for the IHRF**. Additionally, this FA is preparing the **Special Issue "Reference Systems in Physical Geodesy"** in the

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Journal of Geodesy. Laura and Riccardo published a very **detailed report about activities and plans** in FA UHS at EGU online event.

(EGU online contribution: <https://meetingorganizer.copernicus.org/EGU2020/EGU2020-8625.html>)

### Focus Area "Geodetic Space Weather Research"

Dr. Ehsan Foorotan is the **new Vice-Chair** of this FA. The scientific content of this FA was extended to the **magnetosphere**. In December 2019 at AGU Fall Meeting the ICCT-GGOS JST and the three new established JWG were approved.

### Focus Area "Geohazards" and its contribution in GTEWS program

FA Geohazards **proposes a GNSS-RTC (Real Time Consortium)** within the Geodesy4Sendai community and asks the GGOS Coordinating Board to endorse that GGOS contribute to it. The purpose of GNSS-RTC is to develop recommendations and guidance for sustainable and effective GNSS enhancements to Tsunami Early Warning Systems (GTEWS) that leverage modern data analytics, cloud computing, and existing infrastructure. The primary goal is to encourage nations, especially along the southern pacific coastline, to contribute with their GNSS data. The cooperation within "Group on Earth Observations" (GEO) and its governmental and commercial influence can be very effective to reach this goal.

The GTEWS Working Group of GGOS FA Geohazards should become a component of this GNSS Real Time Consortium. The GNSS-RTC should not dissolve the FA. The IGS can be an important contributor to the GNSS-RTC. Richard mentioned that the naming of the Consortium is maybe too broad and should be describe it more in detail e.g. "GNSS Real Time Consortium for Tsunami Early Warning". John noted that the final name can be changed later.

All participating **Coordinating Board members agreed to support this activity.**

### New GGOS Website

The GGOS Coordinating Office is currently working on redesigning the GGOS Website, which should be available for public hopefully in the next months. The new developing website <https://www.ggos.org> is accessible only for testing purpose and a login is required (User: bev | password: Ggos!2020). Martin presented the new features (frontpage, menu structure, responsive design, search function, Wordpress CMS, User Statistics, GGOS Cloud [cloud.ggos.org](https://cloud.ggos.org), and so on). Every GGOS component can publish their documents additionally via the GGOS Cloud, it can be used like Dropbox.

All GGOS components have the possibility to change their own content via the admin page <https://ggos.org/wp-admin>. The current pictures at new website are free for use, but if somebody have better pictures, please send them to Martin ([co@ggos.org](mailto:co@ggos.org)).

Zuheir and John mentioned that the IAG Services are the essential components of GGOS and should be accessible/more visible at the frontpage. Martin will create a slide with the IAG Services to highlight them more.



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### GGOS Special Issue

At GGOS Days 2019 (Rio de Janeiro) the idea was born to make a Special Issue about GGOS in a journal. The target group should be other geosciences, beside geodesy, to report on recent advancements in geodesy. It should be written in a way that the articles are of interest for non-geodesists. Laura prepared a list of possible topics and associated main authors. Potential authors were already contacted and a few of them agreed to participate. A possible journal can be an open access (non-geodesists) journal. But a big disadvantage of it are the costs.

Kirsten proposed to additionally include a data journal (like from AGU) into the list of possible journals. With Copernicus it is possible and easy to make an inter-journal Special Issue with a high impact factor and no costs.

For Zuheir this Special Issue would have a big value, but he (and John) thinks that the most efficient way to make outreach is not to publish in a journal. It would be better to make publications by using the GGOS website with easy understandable graphics and texts or publish activities by newsletters and so on. But he has no problem if a Special Issue is desired and, in that case, he would prefer to publish it in Journal of Geodesy.

The question was also to publish it in a scientific geoscience journal or make short reports in a popular science way. But it was preferred and decided by GGOS EC to make scientific papers.

Allison asked if we need journals at all!? Usual (restricted) journals are for many readers too expensive and publishing in an open access journals is very expensive for the publishers. Maybe using DOIs is an alternative way which should be mainly considered in future.

In the next GGOS EC it will be discussed if we should focus on a Special Issue anymore.

### Working Group on “DOIs for Geodetic Data Sets”

The Working Group on “DOIs for Geodetic Data Sets” within the GGOS Coordinating Office was established in 2019 and is chaired by Kirsten Elger. It has 20 members, representing the IAG Services, and many associate members. The main task of this WG is to make a strategic plan for assigning DOIs to geodetic data and work out a consistent method for data citation across all IAG Services. Mike Perlman expressed his intention to participate in the WG and was accepted as an associated member.

### GGOS Days 2020

The next GGOS Days 2020 were scheduled for October 6-8 in Munich, Germany. A lot of participants of this CB videoconference agreed to make a virtual meeting instead of face-to-face meeting due to the travel restrictions caused by coronavirus. The final decision about this will be made at next GGOS EC telecon on June 4.

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## 5 Appendix – Presentation Slides

The minutes of this meeting and all presentations are available at the GGOS Website and in the GGOS Cloud. It is accessible via following link: <https://cloud.ggos.org/index.php/s/xJ9Xn7EbqywB3mZ>.