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IGS Constellations

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IGS Member Highlight



Markus Bradke

Infrastructure Committee
Coordinator
Deutsches
GeoForschungsZentrum (GFZ)

"I'm pleased that I got appointed for this position. I'm looking forward to implement some important topics and projects to further improve the quality of the IGS network. As long-term goals I'd like to focus on the promotion of Geodesy/ML as new geodetic metadata standard, implement APIs to make GNSS data and products more discoverable, navigate forward to a RINEX v.3 only and Multi-GNSS world and improve the data and station quality by monitoring the station network". - Markus

From the Chair's Office

Dr. Felix Perosanz

It is a real honor and pleasure for me to chair the IGS Governing Board since last May. The IGS represents something very special because my 30-year career is intimately linked to it either because my work has depended on its products or because I have delivered products. Over the past three decades, the IGS has grown tremendously around a fantastic network of GNSS receivers and through the involvement of nearly 350 Associate Members who work daily to keep the service running smoothly. This service has established itself as the international benchmark for delivering the highest quality GNSS data and products.



The IGS is now crossing an important milestone that promises both new perspectives in terms of applications and users, but is also a challenge for a service that operates on a best effort mode with limited human resources. This evolution is linked to the conjunction of different factors: 1) The drastic evolution of the GNSS systems themselves with the last 4 years almost doubling the number of GNSS satellites in orbit thanks to the densification of the Beidou and Galileo constellations 2) the access to real-time IGS data, products and SSR corrections and 3) the arrival on the market of low cost multi-frequency GNSS chips providing raw observations and the interest of the navigation sector for more and more precise GNSS solutions. In addition, thanks in particular to the action of the Central Bureau, the IGS is today an essential player and leader in exchanges with various international scientific and non-governmental organizations such as GGOS or UN-GGIM. Thus, geodesy is gradually establishing itself as a key Earth observation technique outside our community and GNSS is becoming the tool for each inhabitant of our planet to access the ITRF. Both these technical and political aspects will continue impacting the IGS. This is why I would like to invite the whole IGS community to participate in the reflection on the orientations and priorities of the service and contribute to the updating of the 2021-2025 strategic plan. Nevertheless, we are a volunteer organization so we depend on you! Everyone is invited to participate, suggest ideas and encourage new people to become an Associate Member or join the Governing Board. I can tell you how exciting it is to see how this great organization works from inside out! So join us!



Station Operator Highlight Munawar Kholil

Geospatial Information Agency BIG
Badan Informasi Geospasial (formerly
BAKOSURTANAL)

We would like to contribute to GNSS by supporting the ITRF realization along with other IGS stations around the world. We already have 8 sites that stream data everyday such as BAKO, CAMB, CMAK, CMRE, CPDG, CPON, CSBY and CUKE. We hope to incorporate more ground stations into the IGS in the near future.

To read the full interview with Munawar, visit www.igs.org/station-op-highlight

#IGSnetwork station:
BAKO (BAK000IDN)

Location:
Cibinong, Indonesia

Established:
June 12th, 1981

Welcome to the #IGSnetwork

Station Name:
CYNE00GUF

Location:
Cayenne, French Guiana

Welcome CYNE in Cayenne, French Guiana, to the #IGSnetwork! Thanks to IGN France for providing this resource to the IGS community. For more info on CYNE and other IGS stations, visit www.igs.org/network.



What is the "Tour de l'IGS"?

With the IGS workshop being postponed to 2022, we are looking forward to connect with the community in the form of a series of virtual talks or "mini-workshops" throughout this year, starting with a session fully dedicated to the ITRF and the outcomes of the activities of repro3.

First Tour Date: 02 June 2021 11:00-14:00 UTC

While this workshop is free of cost and open to all, we will have a pre-registration, which is limited to 300 participants. Zoom links will be sent prior the meeting after registration has closed on 31 May. Please make sure you register at www.igs.org/event/tour-de-l-igs. More information on the tour's second (August-September) and third (November-December) "stops" will be available on IGS.org soon.

Highlighted Quarterly Publications

To view these publications, visit www.igs.org/pub-alerts

Compatibility of Terrestrial Reference Frames used in GNSS broadcast messages during an 8 week period of 2019

By Stephen Malys, Russell Solomon, Jason Drotar, Todd Kawakami, Thomas Johnson

Sub-daily polar motion from GPS, GLONASS, and Galileo

By Radosław Zajdel, Krzysztof Sośnica, Grzegorz Bury, Rolf Dach, Lars Prange, Kamil Kazmierski

Special Issue: "GNSS Precise Point Positioning: Towards Global Instantaneous cm-Level Accuracy"

Special Issue Editor:
Simon Banville,
Canadian Geodetic Survey,
Natural Resources Canada

Upcoming Events

06 - 11 May:

[UN Global Road Safety Week](#)

02 June (11:00-14:00 UTC):

[Tour de l'IGS: First stop](#)

07 July 2021 (20:00 UTC):

[IGS Governing Board Meeting](#)

28 June - 2 July:

[IAG Scientific Assembly](#)

27 June 2022 - 1 July 2022:

[IGS Workshop 2022](#)