



Implementation of the Global Geodetic Reference Frame (GGRF) in Latin America

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Global Geodetic Observing System External Relations Overview

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GGOS External Relations Overview



United Nations



The Committee on Earth Observation Satellites

Participation and Representation in External Stakeholder Organizations

- United Nations Global Geospatial Information Management (GGIM) Subcommittee on Geodesy (SCoG)
- Collaboration with UNOOSA International Committee on GNSS
- Group on Earth Observations (GEO)
 - Programme Board participation
 - Work programme review board participation for Disasters and Cross-Cutting Activities
- Committee on Earth Observation Satellites (CEOS)

GGOS External Relations Overview



UN World Conference on
Disaster Risk Reduction
2015 Sendai Japan

Current External Relations Projects

- Connecting United Nations Initiatives with the GGOS Geohazards Focus Area through the GAR19 Report
 - Ensures geodesy is included in globally-recognized disaster risk reduction document
- Connecting the GEO Work Program (Sendai and SDGs) United Nations Initiatives with GGOS
 - Participation in subgroups dedicated to Sendai and SEO
- Co-organizing regional workshops
- Preliminary GGOS interoperable/modular elements in support of GGIM-World Bank Integrated Geospatial Information Framework
- Group on Earth Observations Community Activity: “Geodesy for Sendai”
- GGOS Contribution to GAR 2019
- Working Group on DOIs for Geodetic Data and Products

GGOS External Relations Near-Term Goals

Two Paths to Connect GGOS with the United Nations



- Earth observations also play a major role in monitoring progress toward, and achieving, the SDGs.



UNISDR

United Nations Office for Disaster Risk Reduction



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- Geodetic observations have a clear role in helping to reduce the risk of disasters, as well as contribute to disaster preparedness with better mitigation and response.

Connecting the GEO Work Program's United Nations Initiatives with GGOS

There is tremendous potential to increase the exposure and impact of GGOS by identifying potential contributions and connecting existing relevant work to efforts in support of both **UN SDGs** and the **Sendai Framework**.

GGOS has the potential to help by:

- ❑ **Facilitating linkages** to agencies and other providers of geodetic data
- ❑ Making existing geodetic data **discoverable** and easily **accessible**
- ❑ Working toward **standardization**
- ❑ **Advocating** for geodetic data and infrastructure in relation to Earth observations and the Sendai Framework via the GEO Programme Board Subgroup on Sendai

Participation at the GEO Programme Board level ensures that IAG/GGOS efforts in alignment with GEO's global priorities (supporting the UN SDGs, Sendai Framework, as well as the Paris Agreement on Climate Change) are well supported and complimentary to other related work – as well as preventing unnecessary redundancy of work.



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Muchas
Gracias

Some take-home resources

- **International GNSS Service**
 - Information, data and product access: [IGS.org](https://igs.org)
- **GGOS Paper on GNSS-Enhance Tsunami Early Warning Systems**
 - Download report: bit.ly/gtews2018
- **GGIM-World Bank Integrated Geospatial Information Framework**
bit.ly/GGIMWBigif
- **UN Global Geospatial Information Management + GGRF**
 - Committee of Experts: ggim.un.org
 - Subcommittee on Geodesy: ggim.un.org/UNGGIM-wg1/
 - Information about the GGRF: www.unggrf.org
- **Sendai Framework for Disaster Risk Reduction**
 - Global Assessment Report 2019: gar.unisdr.org
 - Interactive Story Map: arcg.is/1f9OXP
 - Sendai Framework Monitor: sendaimonitor.unisdr.org
- **Sustainable Development Goals**
 - Group on Earth Observations support of SDGs: eo4sdg.org



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