



UN-GGIM:Americas


**VIRTUAL
SESSION**

18.NOVEMBER.2021



Geodetic Reference Frame for the Americas (GRFA)

Resolution Proposal



Implementing open sharing of Global Navigation Satellite System (GNSS) data to contribute to the GGRF and regional densifications



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United Nations General Assembly Resolution
“Global Geodetic Reference Frame for Sustainable Development”
26 February 2015 (A / RES / 69 / 266)



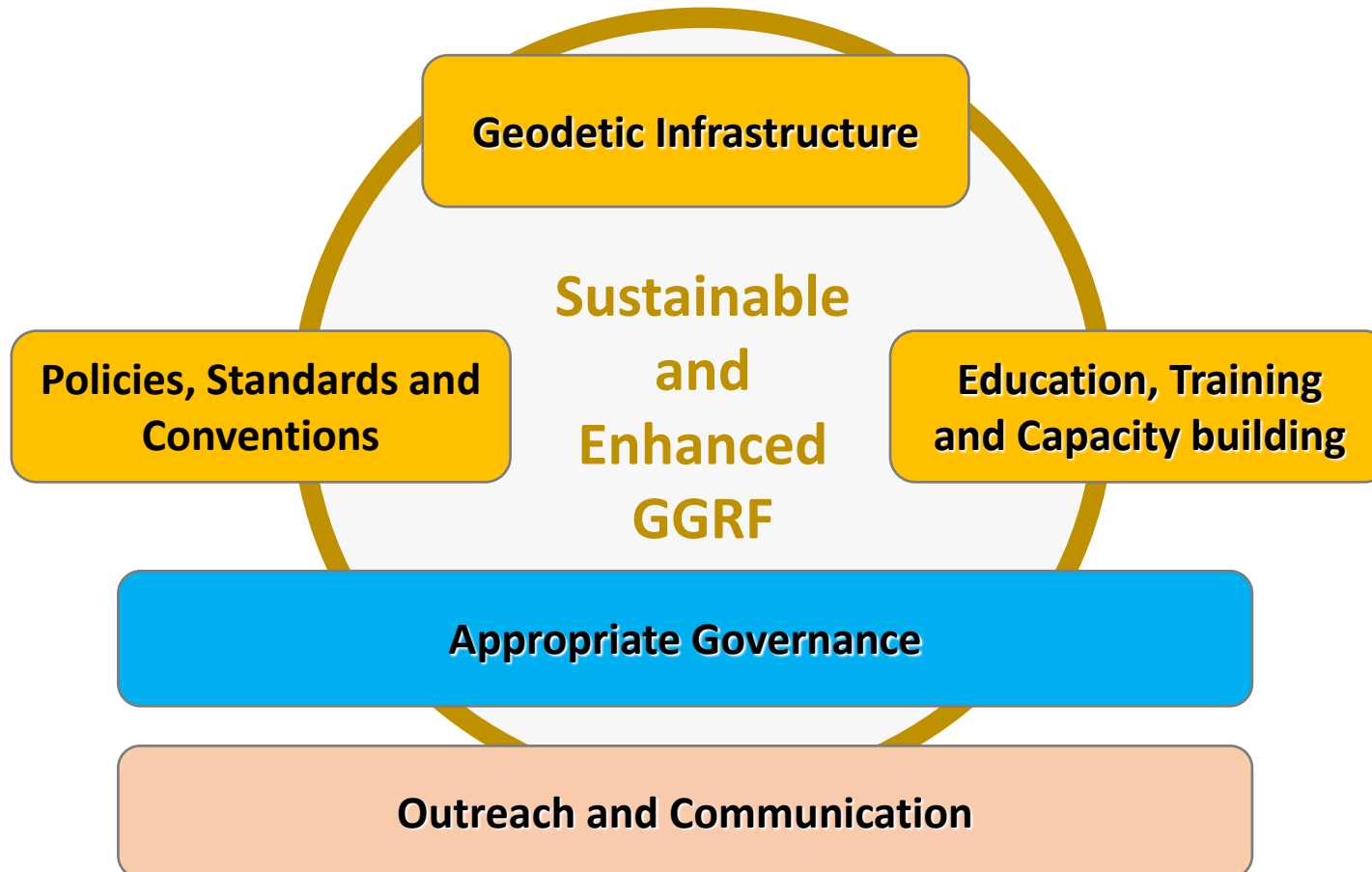
United Nations General Assembly Resolution
“Global Geodetic Reference Frame for Sustainable Development”
26 February 2015 (A / RES / 69 / 266)



“urges Member States to **implement open sharing of geodetic data**, standards and conventions, on a voluntary basis, **to contribute to the global reference frame and regional densifications** through relevant national mechanisms and intergovernmental cooperation, and in coordination with the International Association of Geodesy” and acknowledges “that the **global geodetic reference frame depends upon the participation of countries all around the globe**, and the need to take action to strengthen international cooperation.”

“Road Map for the Global Geodetic Reference Frame for Sustainable Development”

UN-GGIM Sixth Session, New York, 3-5 August 2016



“Road Map for the Global Geodetic Reference Frame for Sustainable Development”

UN-GGIM Sixth Session, New York, 3-5 August 2016



recommends that “**Member States** more **openly share their data**, standard operating procedures, expertise, and technology,” and “**Member States resolve their concerns that currently limit data sharing** and establish appropriate governmental mandates, where required, as a valuable contribution to the enhancement of the GGRF.”

“Road Map for the Global Geodetic Reference Frame for Sustainable Development Implementation Plan”

UN-GGIM Eighth Session, New York, 1-3 August 2018



United Nations Committee of Experts on
Global Geospatial Information Management

Road Map for the Global Geodetic Reference Frame for Sustainable Development Implementation Plan



Photo: Bjørn-Owe Holmberg

Developed by the
UN-GGIM Subcommittee on Geodesy
July 2018

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**“Road Map for the Global Geodetic Reference Frame
for Sustainable Development Implementation Plan”**
UN-GGIM Eighth Session, New York, 1-3 August 2018



identifies the following action to implement the Road Map: **“Member States are encouraged to share their geodetic data** by contributing to existing international data portals, including the IAG services, or by providing open access to their data portals.”

“Terms of Reference of the Geodetic Reference Frame for the Americas (GRFA) Working Group”

UN-GGIM: Americas Seventh Session, Virtual, 7 September 2020



supports “the Nations of the Americas in response to the United Nations General Assembly Resolution entitled ‘A Global Geodetic Reference Frame for Sustainable Development’ under the recommendations of the United Nations Global Geospatial Information Management (**UN-GGIM**) Subcommittee on Geodesy (**UN-GGIM SCoG**), and the scientific guidelines issued by the International Association of Geodesy (**IAG**) and Geocentric Reference System for the Americas (**SIRGAS**).”

Geodetic Reference Frame for the Americas (GRFA) Working Group 2021 Workplan

UN-GGIM: Americas Seventh Session, Virtual, 7 September 2020



proposed to develop a **recommendation for Member States to open their geodetic repositories** to improve and develop the geodetic reference frame of the Americas

Geodetic Reference Frame for the Americas (GRFA) Resolution Proposal



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Geodetic Reference Frame for the Americas (GRFA) **Resolution Proposal**



The UN-GGIM: Americas Regional Committee

- Recognizes with appreciation that some Member States in the Americas are already implementing open geodetic data-sharing mechanisms for the benefit of realizing and improving access to the Global Geodetic Reference Frame (GGRF) at the national, regional, and global levels.
- Urges Member States of the Americas to implement open sharing of Global Navigation Satellite System (GNSS) data to contribute to the GGRF and regional densifications through relevant national mechanisms and intergovernmental cooperation, and in coordination with SIRGAS.



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 **8th**

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THANK YOU!