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# LAGF 2015 / UN-GGIM: AMERICAS. Mexico City November 11, 2015



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# UN Resolution - Global Geodetic Reference Frame and the development of a Roadmap

[unggrf.org](http://unggrf.org)  
[@unggrf](https://twitter.com/unggrf)



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# First geospatial UN resolution



Photo: Kyoung-Soo Eom

General Assembly, 26 February 2015



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# To benefit People and Planet



RESTLESS EARTH



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# GGRF UN Resolution: Key objectives

- Develop a global geodetic roadmap for the GGRF
- Global cooperation in providing technical assistance in geodesy for those countries in need to ensure the development, sustainability and advancement of a GGRF
- Implement open geodetic data sharing
- Improve and maintain national geodetic infrastructure
- Enhanced multilateral cooperation that addresses infrastructure gaps and duplications globally
- Improved Outreach to make the GGRF more visible and understandable to society



# A significant response rate to GGRF survey



Photo: Anne Jorgensen



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# Survey conclusion: Global cooperation is key

- A joint international governance effort is needed in order to meet the objectives of the GGRF resolution



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# A roadmap for the enhancement of geodesy

- Governance
- Infrastructure
- Policy, standards and conventions
- Education, training and capacity building
- Communication and outreach



Photo: Andrick Lal, SPC, Fiji



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# Communicate GGRF

Hjem Varsler Meldinger

Søk på Twitter

www.unggrf.org

TWEETS 89 FØLGER 369 FØLGERE 160 FAVORITTER 28

Rediger profil

**UNGGRF**  
@UNGGRF

UN-GGIM Global Geodetic Reference Frame (GGRF) Working Group. Recognizes growing demand for positioning service, GGRF and global cooperation within geodesy.

unggrf.org

8 bilder og videoer

Tweets Tweets og svar Blider og videoer

UNGGRF @UNGGRF · 1 t

"Looking forward to seeing this #GGRF roadmap", says Peri Suveinakama, Fiji UN mission @UNGGIM #ggim5 Side event.

Folk å følge · Oppdater · Vis alle

- Maria Cabello @mjcabello · Følg
- Bill Oates @wpoates1 · Følg
- simon wheeler @simonwha... · Følg

Finne venner

Trender · Endre



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# Communication Strategy

## GOAL

A roadmap for enhancement of the Global Geodetic Reference Frame and multilateral cooperation on geodesy

### Communication challenge

Make the UN-GGIM delegates, decision makers and geodetic opinion leaders to understand how important it is to communicate the GGRF roadmap in own regions and countries in order to achieve a sustainable multilateral collaboration.

### Communication objectives

Reach UN-GGIM delegates, decision makers, geodetic opinion leaders to communicate the importance of the GGRF roadmap and why sustainable global cooperation on geodesy is key to meet the objectives of the GGRF resolution.

### Ambitions

- Support and enthusiasm for GGRF roadmap and sustainable global cooperation on geodesy.
- UN-GGIM 6th Session endorses the GGRF Roadmap in August 2016.

### Strategy

- Capture experiences and best practices for the global geodetic reference frame, particularly in developing countries, through newsletter distribution and social media.
- Develop new tools - and use the communication tools including newsletters, [unggrf.org](http://unggrf.org), [@unggrf](https://twitter.com/unggrf)-twitter account and GGRF-video for enhancement of global cooperation on geodesy.
- Communicate the importance of the UN resolution and the importance of their contribution to the GGRF roadmap among the UN-GGIM nations and regions and ask them to spread the message in their country through communications tools including the newsletters, [www.unggrf.org](http://www.unggrf.org), social media and GGRF-video.
- Make use of international science networks and geodetic opinion leaders to communicate the importance of geodesy to their respective science domain.

UN-GGIM delegates	Decision makers/ politicians	Opinion leaders in international research/science networks	Target groups
Develop good GGIM ambassadors who will provide advocacy for the UN resolution and the implementation of the GGRF roadmap in their countries and regions.	Increase the knowledge about the UN resolution and the ongoing work with the GGRF roadmap. Explain that joint international effort is needed in order to meet the objectives of the GGRF resolution.	Influence the opinion leaders to share the message about the importance of the UN resolution and the GGRF roadmap.	Messages
			Tools

## Communication platform

### Basis

- Geodesy is a global science. Through geodesy we measure and define the Earth's shape, motion, rotation, gravitational field and changes to these.
- Geodesy is fundamental for monitoring changes to the Earth including the continents, ice caps, oceans and the atmosphere. Geodesy is also fundamental for mapping, navigation and universal timing.

### GGRF

- Geodesy provides a very accurate and stable coordinate reference frame for the whole Earth. This coordinate system allows you to relate measurements taken anywhere on the Earth with similar measurements taken at a different time or location.
- Global Geodesy is dependent on contributions from nations all around the globe. We aim to change from the current system where contributions to the development of a global geodetic reference frame are undertaken on a "best efforts" basis to one where they are made through multilateral cooperation under a UN mandate.

### UN resolution, survey and roadmap

- UN General Assembly adopted its first resolution - "A global geodetic reference frame for sustainable development" - recognizing the importance of a globally-coordinated approach to geodesy. The discipline focuses on accurately measuring changes in the shape, rotation and gravitational field of planet Earth.
- A global survey identified that a joint international governance effort is needed in order to meet the objectives of the GGRF resolution.
- A Working Group on the Global Geodetic Reference Frame has begun working on the roadmap to build a framework to implement the Global Geodetic Reference Frame.



# Timeline 2015 - 2016

2015

2016

## Sept-October

- Working Group GoTo/telecon-meetings 15 September + 15 October
- UN-GGIM regional meetings and involvement: Europe incl EUREF and Asia Pacific
- Revised standard presentation on UN GGRF
- Revised communication strategy
- Revised timeline

## Nov-December

- Working Group GoTo/telecon-meetings: 23 November + 14 Dec. (San Fran)
- UN-GGIM regional meetings and involvement: Americas incl SIRGAS and Africa incl AFREF
- Consultations IAG, FIG, GEO, CEO before meeting in San Francisco
- Lead authors and groups writing
- Newsletter
- 1. draft of roadmap in progress at San Francisco meeting

## January

- Working Group GoTo/Telecon-meeting
- Send out 1. draft roadmap mid/ end January (after the discussions in San Francisco and the regional input and consultations)

## February

- Working Group GoTo/Telecon-meeting + WG-meeting for those present at IGS, Sydney?
- Deadline for feedback from regions and others on 1. draft

## March-April

- Working Group GoTo/Telecon-meetings
- Working Group to combine feedback and build cohesive roadmap document

## May

- Report and GGRF Roadmap to UN-GGIM 6th session
- Prepare A3 Roadmap-glossy version for UN-GGIM 6th session (key elements)

## June

- Newsletter for UN-GGIM 6th session
- GGIM-secretariat posts the report on ggim-web

## August

- UN-GGIM 6th session endorses the GGRF Roadmap in August, New York



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# Way forward

- Final roadmap endorsed at the UN-GGIM 6<sup>th</sup> session in early August 2016
- Outcomes described by UN General Assembly resolution are included
- Involvement of UN-GGIM regions and consultation with IAG, FIG, GEO, CEOS in progress
- Draft will be sent out for comments
- Working Group to combine feedback and build cohesive document
- Roadmap deadline in May 2016





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