



International workshop for the
**Implementation of the Global Geodetic Reference Frame (GGRF)
in Latin America**
Buenos Aires, Argentina, Sep 16 - 20, 2019

Introduction, Objectives, Acknowledgements

Laura Sánchez

Lead of the GGOS Focus Area Unified Height System

Claudio Brunini

Scientific Director of the Argentine-German Geodetic Observatory - AGGO

Electricity is coming from the wall...
Nobody is inquiring how it is coming in, but everyone is using it.



Is there maybe an analogy with Geodesy? Many people are using geodetic products without knowing that Geodesy exists.

Motivation

- The generation and utilisation of geodetic and geophysical information are essential for the development and sustainability of any country. However, this is not well-known outside Geodesy and Geophysics.
- The UN Resolution on the Global Geodetic Reference Frame (GGRF) for Sustainable Development released in February 2015 opens a wide range of opportunities to capture the attention of policy makers (at the political level) in geodetic and geophysical matters.
- If decision makers understand the value of investing in geodetic and geophysical infrastructure (observation stations, education and capacity building, analysis centres, data availability, etc.), they will prioritise investments in these disciplines, and science and society will benefit.
- It is desirable that geodesists and geophysicist improve their “political” skills to communicate the importance of their disciplines and to promote the investment in those issues they need to advance Geodesy and Geophysics in their countries/regions.

Motivation

- Latin America represents a very interesting “case of study“. The progress in geodetic matters under the umbrella of SIRGAS during the last 25 years is incontrovertible, but the sparseness of infrastructure, technical expertise, and scientific competence and skills is still evident.
- The main idea of the workshop is to bring together
 - Politics (UN-GGIM, UN-GGIM Subcommittee on Geodesy, GEO, UNOOSA-ICG)
 - International organisations promoting science (ICS, IUGG, IAG, IASPEI, FIG, PAIGH)
 - The highest level of expertise in Geodesy worldwide (IAG, IAG Services, GGOS) and
 - Regional experts in Geodesy (SIRGAS, gravity field modelling, geodetic observatories)

to identify/design strategies that allow the Latin American agencies responsible for the geodesy of reference to approach policy makers for getting support to improve the geodetic infrastructure in their countries.

Supporting entities: travel awards



International Union
of Geodesy and
Geophysics (IUGG)



IUGG



International Association
of Geodesy



IUGG



International Association of Seismology
and Physics of the Earth's Interior

IASPEI

- Project „Implementation of the United Nations’ Resolution on the Global Geodetic Reference Frame (UN-GGRF) for Sustainable Development in Latin America“
- 15,000 USD → 28 travel awards for colleagues from 14 Latin American countries

Supporting entities: travel awards



International Committee on Global Navigation Satellite Systems (ICG) of the United Nations Office for Outer Space Affairs (UNOOSA)

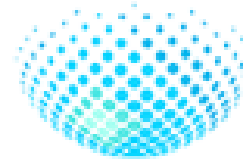
- Six flight tickets (Colombia, Peru, Chile, Brazil, Costa Rica, Ecuador)

Supporting entities: local organisation



Ministerio de Defensa
Presidencia de la Nación

AGGO



CONICET



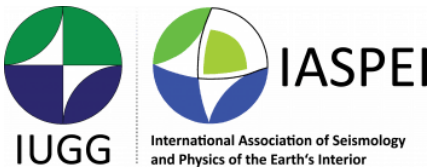
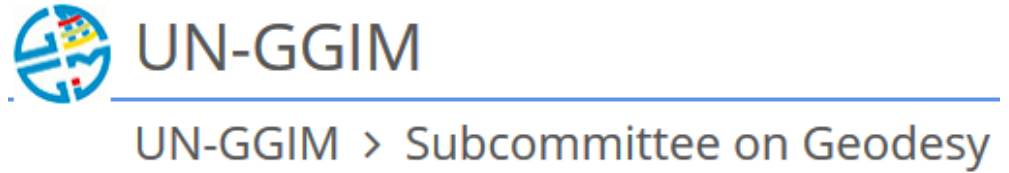
Bundesamt für
Kartographie und Geodäsie



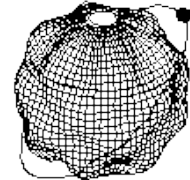
Supporting entities: local sponsors



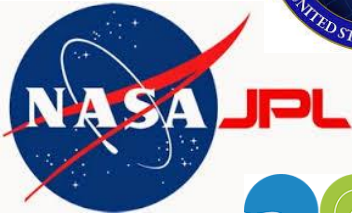
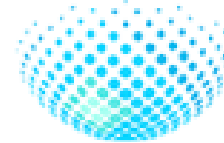
Supporting entities: international organisations



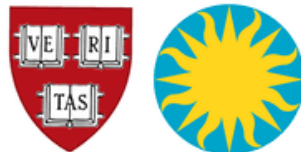
Supporting entities: IAG Services



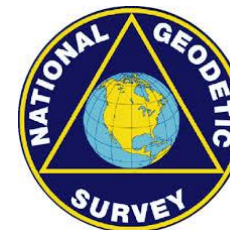
Supporting entities: Speakers' affiliation



Australian Government
Geoscience Australia



Harvard-Smithsonian
Center for Astrophysics



	Sep 16	Sep 17	Sep 18	Sep 19	Sep 20
08:30 – 10:00	Registration	Global and regional cooperation frameworks	Global geodetic reference systems and frames	IAG Services	Argentine-German Geodetic Observatory (AGGO)
	Opening			GGOS	
10:00 – 10:30	Coffee break				
10:30 – 12:00	Geodesy of reference in Latin America	Global and regional cooperation frameworks	IAG Services	GGOS	Argentine-German Geodetic Observatory (AGGO)
12:00 – 14:00	Lunch time				
14:00 – 15:30	GGRF definition and organization	Global and regional cooperation frameworks	IAG Services	GGOS	Visit to AGGO
				IAG Alignments with GEO and ICG-UNOOSA	
15:30 – 16:00	Coffee break				
16:00 – 17:30	GGRF definition and organization	Global geodetic reference systems and frames	IAG Services	IAG Alignments with GEO and ICG-UNOOSA	Visit to AGGO