

Towards a new GGOS affiliate: GGOS IberAtlantic

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Nov. 2022. GGOS DAYS 2022, Munich -> First declaration of intent

Similar geographic distribution. Common borders. Shared watersheds Similar risks

Similar scientific needs & interests

Past collaborations (IBERIA95, IBERGEO, Fixed link Spain-Morocco)

Current collaborations (RAEGE, Hispano-Portuguese Assembly)



Proposal: GGOS IberAtlantic Affiliate Group

Spain + Portugal + ??

COMMUNICATION...

Between countries.
Between organizations.
To society.

PROMOTION...

Studies on global geodesy: understanding of global change phenomena processes.

Existing geodetic products and applications.

The importance of Geodesy.

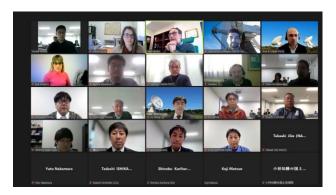
ACCESS TO...

New projects.

Opportunities for young researchers.

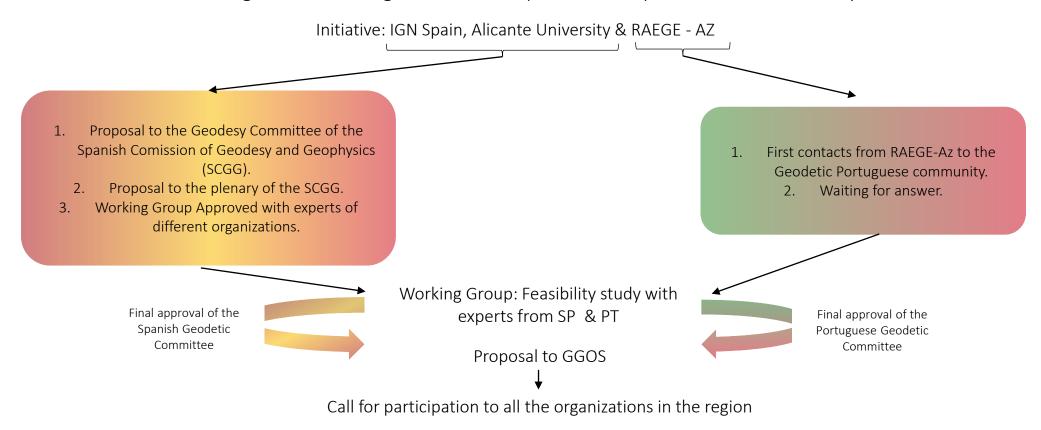
Awareness of the importance of maintaining and improving the basic geodetic infraestructures.

Mar. 2023. GGOS Japan Meeting 2023. First activities.



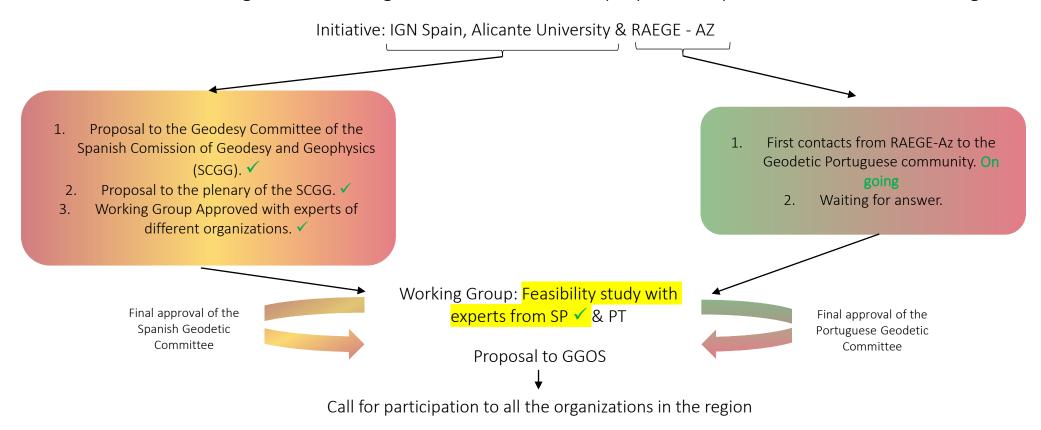
Mar. 2023. GGOS Japan Meeting 2023. First activities.

Apr. 2023. GGOS Coordinating Board Meeting 2023. First steps. Different process in each country



Mar. 2023. GGOS Japan Meeting 2023. First activities.

Apr. 2023. GGOS Coordinating Board Meeting 2023. Evolution of the proposal in Spain. First contacts in Portugal.



On instructions of the Spanish Comission of Geodesy and Geophysics, a group of experts have evaluated the feasibility of this proposal. This group have focused on trying to answer some questions:

Are we coordinated enough?

Do we know what others are doing?

Do we know where to call to fulfill our needs?

Are we doubling resources?

Do we know which priorities?

Are we represented enough?

How many of our researchers are on boards?

Do we think our geodetic needs are discussed internationally?

Do the people know what is Geodesy?

Geodesy for what?

Can we impact people motivating a need for geodesy?

Do we have a replacement?

Are we doing enough to convince young people?

May Universities justify a Geodetic profile?



- 1. Introduction
- 2. Geodesy: general aspects
- 3. International context and background
- 4. Geodetic capabilities in Spain

Infraestructure & technological developments

Analysis & Scientific research

Products, applications, services & outreach

5. Critical analysis of the status of the Geodesy in Spain. Discussion have arised and we have concluded and pointed the main strenghts, opportunities, threats and weakness of Spanish Geodesy.

CRITICAL POINTS

- a) The maintenance and improvement of geodetic infrastructures should be carried out in a smart manner, combining efforts and establishing policies that ensure their optimal utilization. Spanish technological development constitutes a unique strength that presents a great opportunity for the international dissemination of our advancements.
 - b) Although existing, our international presence is low, as well as the development of geodetic research projects. It would be advisable to increase this number and thoroughly analyze the university situation to strengthen international research leadership.
 - c) There is a lack of knowledge about geodesy among the general population and certain critical sectors in particular.
 - d) **Geodetic vocations are declining**. It is necessary to reverse this trend and promote knowledge through courses, forums, dissemination, conferences, and participation in attractive projects.
 - e) Geodetic knowledge is the key to **achieve objectives**, securing **funding**, and particularly creating the geodetic need and justifying the investment.

THE CONCLUSION WAS THIS AFFILIATE COULD HELP TO:

- a) Creation and participation in new projects and new areas.
- b) **Forum** for discussions: A platform for new participants and activities, fostering dialogue and improving the quality of geodetic observations. It also allows for **a unified voice** in large projects, such as those related to space. It would also facilitate the exploitation of regionally produced data by institutions within the region.
- c) Establish a connection with international GGOS activities.
- d) **Geodetic outreach:** Promote geodesy and its applications to society and foster new GGOS vocations.

 GGOS Iberoatlantic will act as a platform for disseminating geodetic activities in the region, justifying investments. It will bring geodetic results closer to the general public and create an environment of geodetic necessity and culture. Furthermore, it will incentivize new vocations among students.

Study

Feasibility study document:

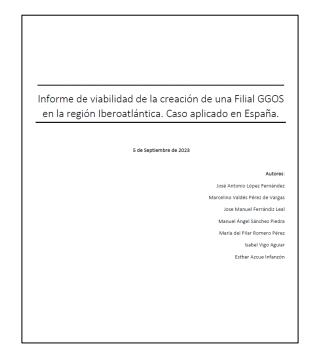
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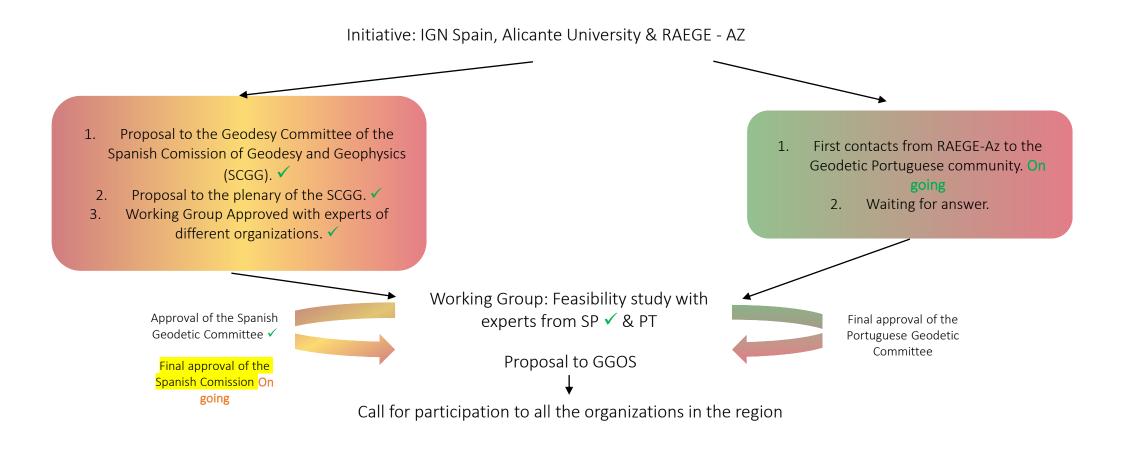


July, 2023. It was sent to the Geodesy Committee of the Spanish Comission of Geodesy and Geophysics.

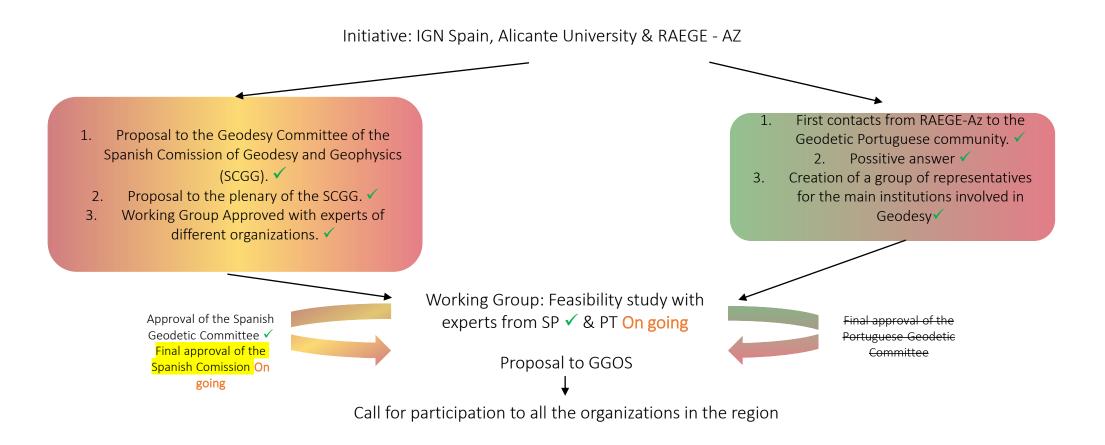
September 5th, 2023. Approval. It was sent to the Spanish Comission of Geodesy and Geophysics.

On going: waiting for the final approval.

Spanish status of the proposal



Portuguese status of the proposal



GGOS IberAtlantic: First joint meeting Spain & Portugal. Jun 2023

Açores Regional Government
Associação RAEGE Açores
Complutense University of Madrid
Directorate General for Territorial Planning of Portugal









Hidrographic Institute of Portugal

National Geographic Institute of Spain Autonomous Region of Madeira Royal Institute and Observatory of the Spanish Navy University of Alicante













GGOS IberAtlantic: First joint meeting Spain & Portugal: Conclusions of the meeting

- Positive answer of both countries. Both countries think this initiative is useful and necessary.
- The current problems detected in the Spanish geodetic frame are also shared by the Portuguese Geodetic Institutions. In particular the lack of new people studying geodesy. This situation will be worse in the next years if no measures are applied and there is no initiatives that visualize and mobilize Geodesy in the countries. Impulse of the Geodesy in the region is needed.
- The conclusion is that this group could be useful for trying to get funds, projects and new people and for increasing the awareness of the important of geodesy in society and politicians. GGOS could open a window to visualization.
- It was also discussed that the group could be a great opportunity for working with south American and African countries.

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Regulation of the group through a MoU

A document, similar to the spanish feasibility study, will be done by the group for defining the bases of the group and will serve as application for creating the group.

A joint contribution was presented in the IUGG, on 16th July 2023



Conclusions & Future Steps

- The GGOS IberAtlantic Affiliate could help to fill the gap in some threat and weakness that have been detected. For example, the lack of young scientist.
- Spain and Portugal have already shown its interest and are working together.
- The GGOS affiliate would be an organization that doesn't limit the sovereignty of the geodetic institutions that are part of it. Any institution part of the group can choose to maintain its independence and access resources on its own. Memorandum of understanding?
- Waiting for the final approval of the Spainish Commission of Geodesy and Geophisics.
- Spain and Portugal have already shown their commitment to the said extents. But... Could **more countries** close to them be interested? Morocco, Brazil, Angola,...



Thank you very much!

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