

9° SESSION UN-GGIM: Americas

Contributions from Academic Network UN-GGIM: Americas - Aportes desde la Red Académica UN-GGIM: Americas

Rosario Casanova

Session 5



Comments about...

- Opportunities regional work
- Challenges
- Interaction
- Contribution the work guidelines of the Regional Committee.



Some functions of ANA

• Provide:

- <u>academic advice</u> geospatial information management
- <u>coordination and dialogue forum for academics and researchers</u> activities related to the competencies and qualifications needed for the <u>administration</u>, management, and use of geospatial information.
- <u>Undertake activities that foster collaboration</u> amongst universities and research centers- addressing common research topics and overarching trends.
- Elaborate <u>academic strategies</u> according to the UN-GGIM Americas Plan of Action.
- <u>Identify the challenges and opportunities</u> can promote inclusion and development based on an academic response.



Challenges/Opportunities

Some comments from national members of UN-GGIM Americas, 12 session of the UN-GGIM, August 2022.



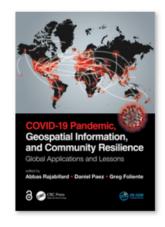
- Share conceptual and practical experiences- <u>Network- communities connected</u>.
- Formation/<u>training</u> of technicians/professionals in the subject.
- Technologies are converting technicians trained by vendor companies but there is a lack of <u>academic-based technical training</u>.
- Human resources qualified in GIS.
- Leverage synergies and knowledge given the reduced budgets, therefore <u>cooperation for capacity building</u> is essential.
- Continuing education.

"The importance of professional education, continuing professional development, and training as a "life-long" learning approach throughout a whole career"



Sharing knowledge

Books-Articles



Book

COVID-19 Pandemic, Geospatial Information, and Community Resilience

Global Applications and Lessons

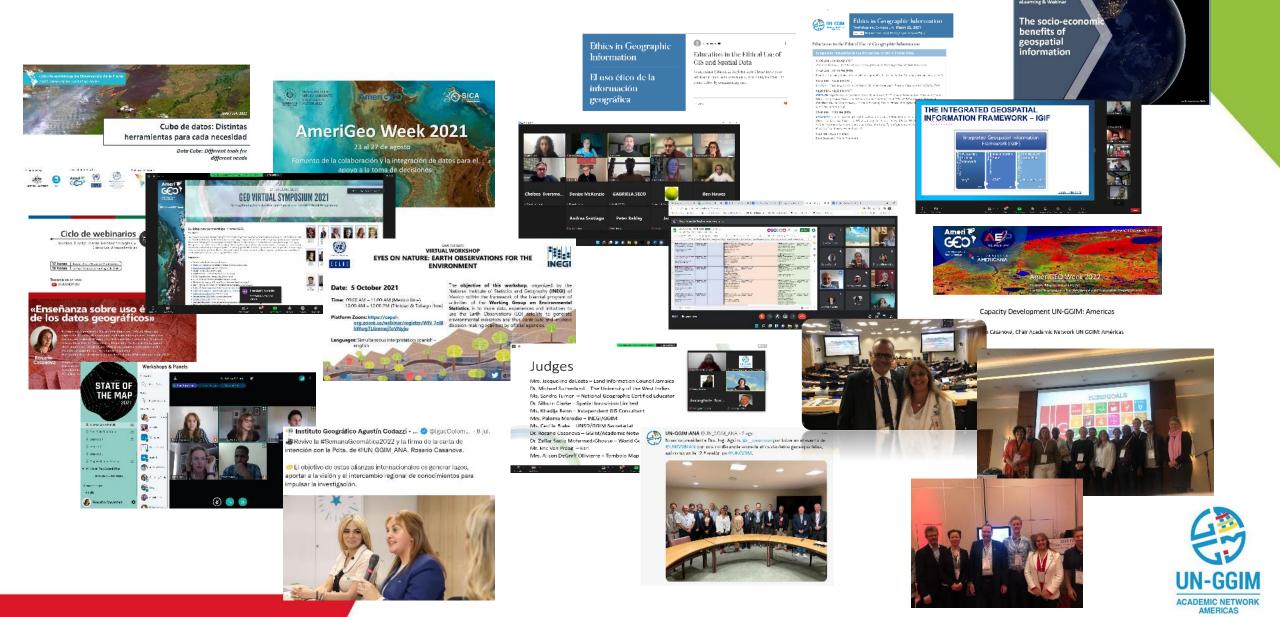
By Abbas Rajabifard, Greg Foliente, Daniel Paez





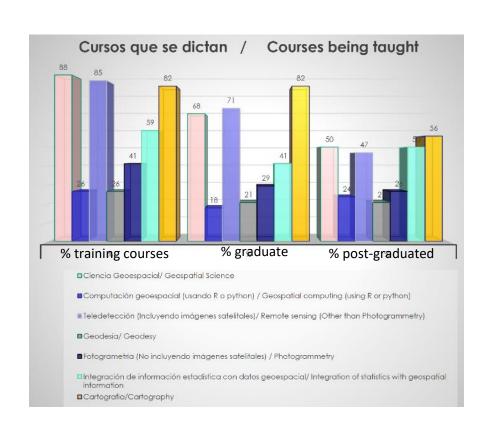


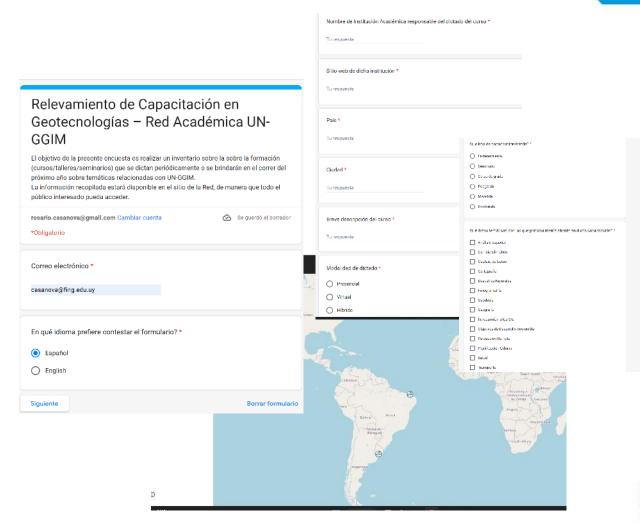
Webinars - Workshop - eLearning- Events



Survey of offers of courses regarding GI

Repository of courses – AN

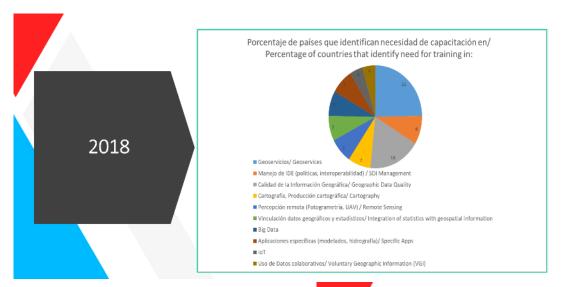


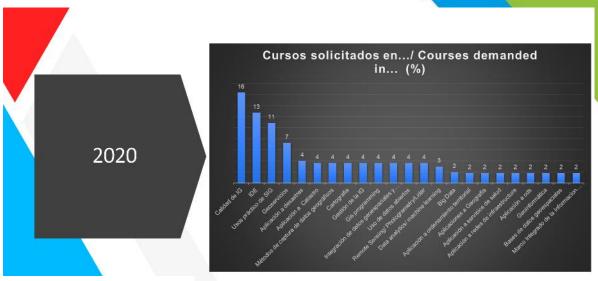


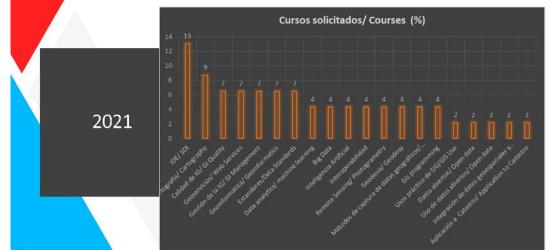


Identifying needs

Survey of needs on capacity courses country members









Surveys: ethical use of geospatial data (2021 – 2022)

Americas: national members and academia

Existence of National regulation

9 questions – 16 responsesnational members Existence of Education

8 questions – 90 responses

Europe: academia

Existence of Education

8 questions – 40 responses



Survey of status of ethics issues in the use of GI state members

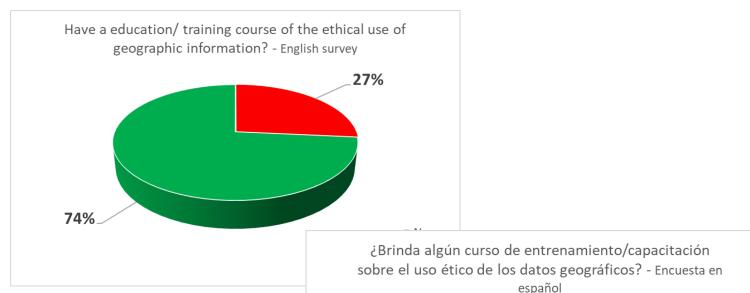
Questions: regulation



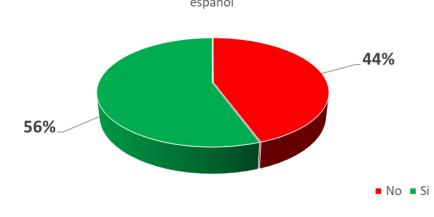
- 369%: the ethical use of data is not <u>controlled by regulations;</u> norms exist as an orientation.
- □ 54%: there are <u>no federal or state regulations that penalize the inappropriate</u> use of location data.
- □ 77%: government institutions or agencies <u>do not have standards on the ethical</u> <u>use of geospatial data.</u>

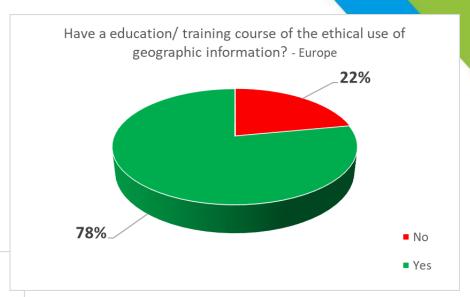


Survey of education regarding the ethical use of GI



America





Europe

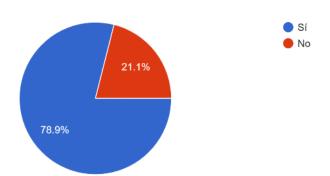


Including in the future...



Está considerando incluir la discusión de la ética en cursos futuros? 38 responses

America



Europe



Making proposals

Proposal Project - PAIGH: Education in the ethic use of GI

Proyecto: Ética en el uso de los datos geográficos: Diagnóstico y Propuesta para su Enseñanza en los Estados Miembros del IPGH.

RESUMEN

La presente propuesta viene a analizar una brecha en el conocimiento y en la capacitación que está siendo brindada por nuestras instituciones académicas y por tanto los técnicos de nuestros países no están incluyendo este abordaje en sus actividades profesionales.

De alguna manera, la pandemia y el uso mastvo de los datos geográficos han puesto en evidencia la importancia de su uso ético, en particular algunos aspectos como la privacidad del individuo, uso y difusión inadecuada, la geovigilancia, etc. Es por ello, que el abordaje de la ética en el uso de los datos y de los geográficos en particular, ha cobrado más visibilidad.

Es por ello, que se ha percibido una gran ausencia de conocimiento en estas áreas y por tanto ha disparado una señal de alerta en la comunidad acadêmica. Si bian la ausencia de capacitación en estos aspectos se puede detectar como una gran debilidad en nuestros países también abre una gran oportunidad para acortar la brecha del conocimiento que entendemos podrá achicarse mediante la realización de esta propuesta de investigación.

Este proyecto tiene por objetivo principal elaborar lineamientos generales de apoyo para facilitar la inclusión de la enseñanza de ética en el uso de los datos geográficos en instituciones académicas. Se propone realizar un análisis del estado de situación de la enseñanza sobre el uso ético de los datos geográficos en los países participantes, la identificación de buenas prácticas y lecciones aprendidas de experiencias regionales e internacionales así como la elaboración

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Argentina:

Investigador responsable:

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Chile:

Investigador responsable:

Geog. Macarena Pérez - Instituto de Geografía de la Pontificia Universidad Católica de Chile. Jefa de alianzas estratégicas y redes del Instituto para la Resiliencia ante Desastres, Itrend.

Costa Rica:

Investigador responsable:

Ing. Top. Gabriela Cordero Gamboa- Escuela de Topografía, Catastro y Geodesia (ETCG) de la Universidad Nacional (UNA).

Estados Unidos:

Investigador responsable:

PhD. Charlotte Smith - Environmental Health Sciences - School of Public Health-Berkeley University of California.

México:

Investigador responsable:

PhD. (C) Rigoberto Alejandro Moreno Vázquez - Residencia Regional de Proyectos de Transmisión y Transformación - CFE - CPTT

Panamá:

Investigador responsable:

Geog. Isis Tejada- Departamento de Geografía-Facultad de Humanidades-Universidad de Panamá

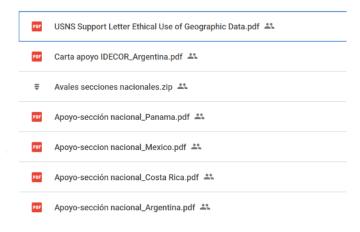
Uruguay:

Investigador responsable:

Msc, Rosario Casanova – Instituto de Agrimensura Facultad de Ingeniería - UdelaR.

Participantes:

Tnlgo. Agustin Acuña Tnlga. Paula Teperino Consideration of the decision of the constraint of the constraint



Países Invitados:

Bélgica

Investigador responsable:

Joep Crompyoets- European Spatial Data Research network

Bracil.

Investigador responsable:

• Edilson Bias - Instituto de Geociencias - Universidad de Brasilia



Joining efforts/ networks

- Advisory board of <u>AN UN-GGIM</u>
- HLG-IGIF <u>Capacity Development Working Group</u> of UN-GGIM
- Co-chair of the <u>Capacity Development Group</u> of the Joint Action Plan-Aguascalientes Declaration
- Deputy chair of <u>Commission Education of the International Federation of Surveyors (FIG)</u>
- Group of geotechnologies and atmospheric sciences of the Association of Universities of Grupo Montevideo.
- PAIGH Geographic Education Network
- Iberoamerican Academic Network of Cadaster and Land Administration



Contribution the work guidelines of the Regional Committee

Objectives Regional Committee UN-GGIM: Americas

As in previous years, the objectives of the Regional Committee for the period 2021-2025 will be governed by Articles 4 and 5 set forth in the current Statutes of UN-GGIM: Americas.

Article 4. General Objective

The Regional Committee determines the relevant regional issues for the management of geospatial information, and takes the necessary measures to maximize the economic, social and environmental benefits derived from its use. The foregoing based on knowledge and the exchange of experiences and technologies by the Member States, which allows promoting the establishment of Geospatial Data Infrastructures in the Americas and other national initiatives, in addition to contributions to the debates in UN-GGIM.

Article 5. Specific Objectives

- 1. UN-GGIM: Americas will hold annual/regular high-level multi-stakeholder discussions on geospatial data infrastructure and geospatial information management, including by convening annual plenary sessions with a view to promoting dialogue with all Member States of the Americas and relevant topics, groups and stakeholders to share experience, best practices and the state of the art of technologies.
- Align its work on the geodetic reference frame for the Americas to the United Nations General Assembly Resolution (in note A/RES/69/266) 69/266 entitled "A global geodetic reference frame for sustainable development". adopted on February 26, 2015.
- Improve the capacities of Member States in the development and establishment of policies for the
 national management of geospatial information, taking into account the needs and priorities of
 each Member State.
- Develop strategies and guidelines to support the development of an authoritative source of geospatial information in each Member State of the Regional Committee.
- Establish and promote the necessary institutional arrangements and framework to allow the Member States of ONIG (National Organizations responsible for Geospatial Information) to develop and achieve a level of consistency and geospatial maturity, respecting their autonomy in accordance with their national laws and policies.
- Promote interoperability and ease of use and timely exchange of geospatial information among Member States to regional and global affairs, including disaster management.
- 7. Develop strategies and guidelines for the flow, discovery, access, integration and dissemination of geospatial information in order to meet current challenges, with a particular emphasis on the 2030 Agenda for Sustainable Development, the reduction of vulnerabilities and the improvement of the capacity of Member States to deal with disasters.
- Contribute to the promotion and monitoring of principles, policies, methods, research and development of standards for geospatial data and services in order to achieve the goal of UN-GGIM.

Strategic Focus for the Working Groups

This document proposes to focus the activities of the Working Groups, considering the following focuses as a baseline:

- 1. Support the implementation of global frameworks at the country level
- Follow up on national geospatial information management processes
- 3. Strengthen capacities in all lines of work that are considered a challenge
- 4. Increase information as sets through geospatial knowledge management
- 5. Support the implementation of standards at the national level

Considering these guidelines, each Working Group will develop its specific plan of activities looking for points of collaboration, support and feedback between one and other.

- Integrate WG/ Network
- Ethics
- Repository Webinar



Academic Network of the Americas

The Academic Network provides specialized support to coordinate and have pedagogical support that allows the exchange of knowledge.

The Academic Network should maximize the Human Capital of the Regional Committee to promote the transfer of the best experiences between Member States, having all the necessary powers to support the co-chairs and Member States in this matter.

It is important to emphasize that for the fulfillment of the Strategic Focus, points 3 and 4 allow the Academic Network to raise and coordinate the training needs among the Member States.

WE ARE TO SUPPORT AND COORDINATE TRAINING NEEDS

LET US KNOW:

- YOUR PLANS
- YOUR NEEDS
- YOUR SUCCESS





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GRACIAS

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