



FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting
Our World,
Conquering
New Frontiers

Academic Network UN-GGIM: AMERICAS

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Chair Academic Network UN-GGIM: Americas

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Organized By



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Work Plan 2021-2025 of UN-GGIM: Americas.

Current Group	New Denomination
Integration of Statistical and Geospatial Information	WG on Global Statistical and Geospatial Framework(GSGF)
Geospatial Data Infrastructure	WG on Integrated Geospatial Information Framework (IGIF)
Disasters	WG on Strategic Framework for Geospatial Information and Services for Disasters (GISD)
Geodesy	WG on Geodetic Reference Frame for the Americas (GRFA)

Some functions of Academic Network UN-GGIM: Americas

- **Provide:**
 - **academic advice** - geospatial information management
 - **coordination and dialogue forum for academics and researchers** - activities related to the competencies and qualifications needed for the **administration, management, and use of geospatial information.**
- **Undertake activities that foster collaboration** amongst universities and research centers- addressing common research topics and overarching trends.
- Elaborate **academic strategies** according to the UN-GGIM Americas Plan of Action.
- **Identify the challenges and opportunities** - 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- Network- communities connected.
- Formation/training of technicians/professionals in the subject.
- Technologies are converting technicians trained by vendor companies but there is a lack of academic-based technical training.
- Human resources qualified in GIS.
- Leverage synergies and knowledge given the reduced budgets, therefore cooperation for capacity building is essential.
- Continuing education.

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

Work to be done!!

Sharing knowledge

UN-GGIM Americas @UNGGIMAmericas · 27 ans
 We highlight the article on the ethical use of geospatial data, published by the President of the UN-GGIM Americas Academic Network, Rosario Casanova, in the journal of the Royal Institution of Chartered Surveyors (RICS).

url: <https://www.rics.org/uk/insights/ethical-use-of-geospatial-data>

MODUS Journals

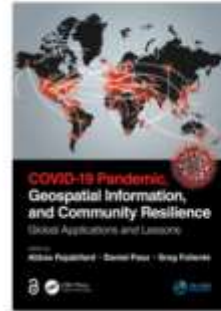
Journals / Land Journal / Why we must ensure ethical use of location data

LAND JOURNAL

Why we must ensure ethical use of location data

With geospatial data increasingly important to decision-making, recent research for the UN suggests there is still a lack of regulation and education to ensure it is used ethically

Authors: UN-GGIM/ANCA



Book

COVID-19 Pandemic, Geospatial Information, and Community Resilience

Global Applications and Lessons

By Abbas Rajabifard, Greg Foliente, Daniel Paez

Books- Articles

ScienceDirect Journals & Books

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Technology in Society
 Volume 69, May 2022, 101964

Ethics in the use of geospatial information in the Americas

Paloma Mendiola Gómez^a, Andrea Ramirez Santiago^{a, R}, Gabriela Garcia Sosa^b, Rosario Casanova^c, Dennis MacKenzie^d, Christopher Tucker^d

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^d American Geographical Society, USA

Received 13 November 2021; Revised 5 March 2022; Accepted 7 March 2022; Available online 12 March 2022.
 Version of Record 14 March 2022.

Revista Geográfica

Estado de la medición de los indicadores geográficos de los Objetivos de Desarrollo Sostenible en Uruguay

Rosario Casanova
 Instituto de Agrimensura, Facultad de Ingeniería

Agustín Acuña
 División de Geografía, Historia y Meteorología de la Facultad de Ingeniería

Pablo Tejerizo
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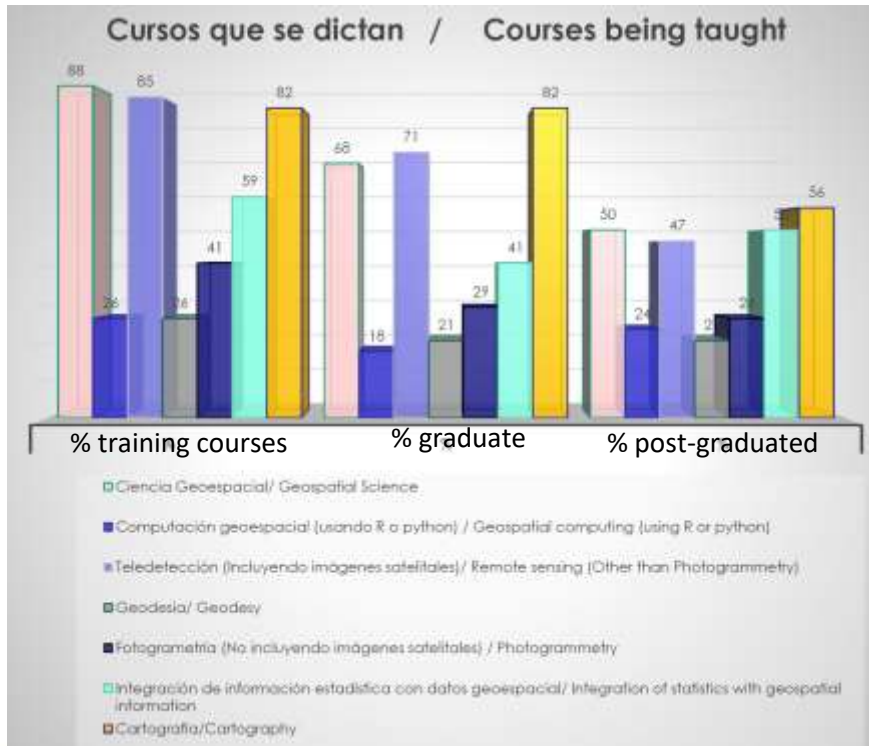
Protecting Our World, Conquering New Frontiers

Webinars –
Workshop –
eLearning-
Events



Survey of offers of courses regarding GI

Repository of courses – AN



Relevamiento de Capacitación en Geotecnologías – Red Académica UN-GGIM

El objetivo de la presente encuesta es realizar un inventario sobre la formación (cursos/talleres/seminarios) que se dictan periódicamente o se brindarán en el correr del próximo año sobre temáticas relacionadas con UN-GGIM. La información recopilada estará disponible en el sitio de la Red, de manera que todo el público interesado pueda acceder.

Nombre de Institución Académica responsable del dictado del curso *

Tu respuesta

Sitio web de dicha institución *

Tu respuesta

País *

Tu respuesta

Ciudad *

Tu respuesta

Breve descripción del curso *

Tu respuesta

En qué idioma prefiere contestar el formulario? *

Español

Virtual

Inglés

Hibrido

Siguente

Cancelar formulario

¿Qué tipo de capacitación brinda? *

Seminario

Taller

Curso de grado

Programa

Maestría

Doctorado

¿Qué áreas temáticas son las que principalmente brinda en dicho capacitación? *

Gestión Espacial

Datos/Información

Gestión de datos

Cartografía

Geodesia/ Geodesy

Fotogrametría

Geomática

Geografía

Información 4 en 3D

Planificación de Infraestructura

Aplicaciones de SIG

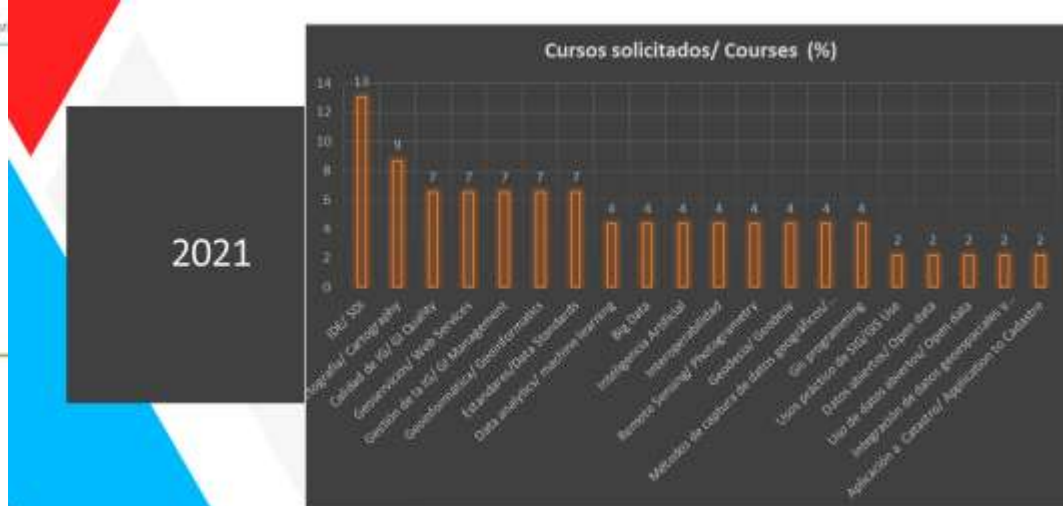
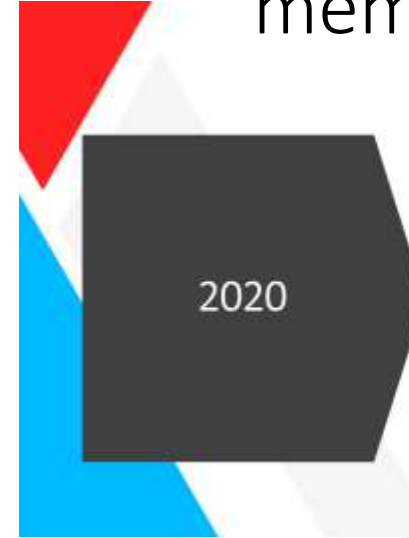
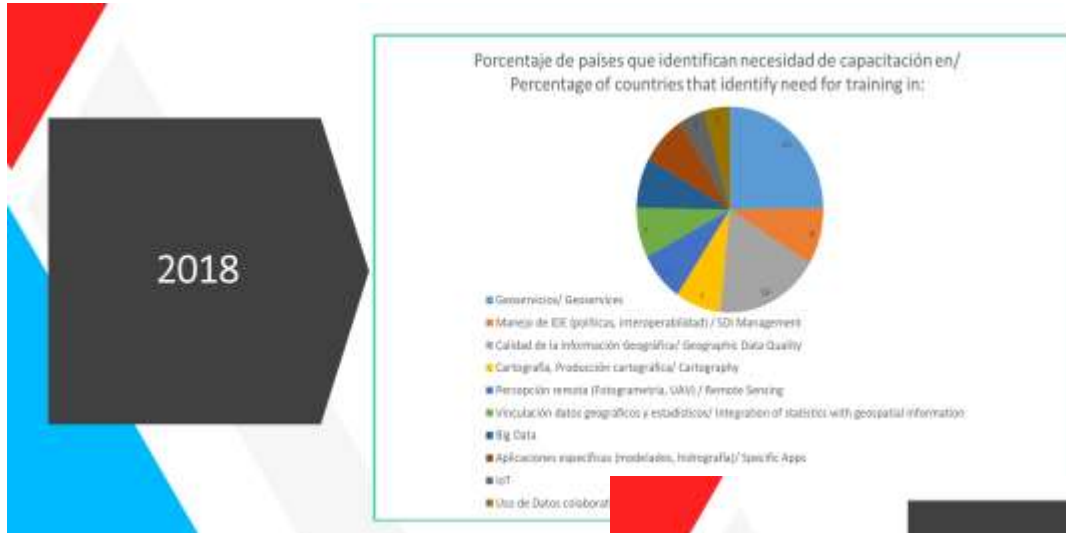
Modelado de terreno

GIS

Telemática

Identifying needs

Survey of needs on capacity courses country members



Americas: national members and academia

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

Existence of
National regulation

9 questions – 16 responses- national members

Existence of
Education

8 questions – 90 responses


Europe: academia



Existence of
Education

8 questions –
40 responses

Survey regarding education in the ethical use of geospatial data



UN-GGIM
ACADEMIC NETWORK
AMERICAS

Encuesta sobre enseñanza en ética en el uso de datos geospaciales en su institución

Esta encuesta es un primer relevamiento acerca de la enseñanza del uso ético de los datos geográficos en instituciones académicas en América. Si deseas unirse a nuestra Red puedes hacerlo ingresando a: <http://unggimacademicnetworkamericas.org/>


** Required*

Nombre de la Institución académica a la que pertenece:

Your answer _____

Nombre y mail de persona de contacto:

Your answer _____



UN-GGIM
ACADEMIC NETWORK
AMERICAS

Survey on teaching ethics when working with geospatial data in your institution

This survey is a first approach in teaching the ethical use of geographic data in academic institutions in the Americas. If you want to be a member of our Network visit: <https://www.unggim-ana.org/>

**Obligatorio*

Name of your academic institution:

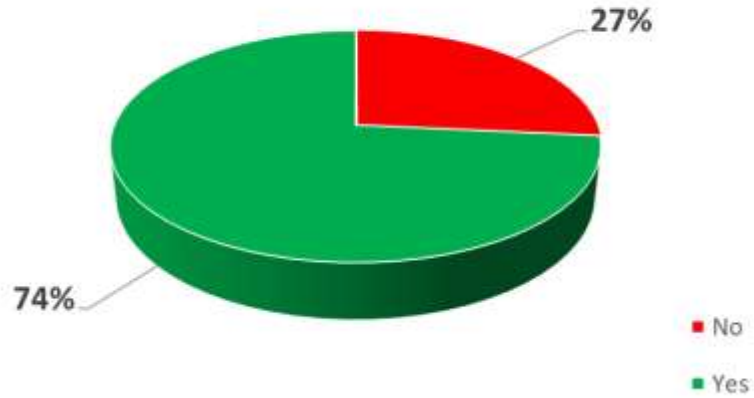
Tu respuesta _____

Name and email of the contact person:

Tu respuesta _____

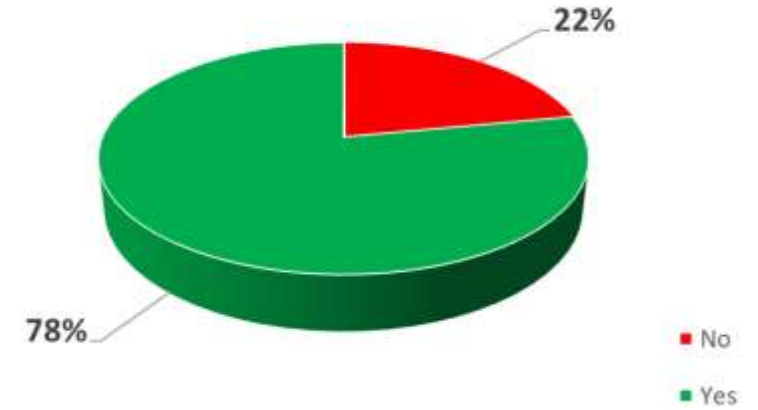
Results

Have a education/ training course of the ethical use of geographic information? - English survey



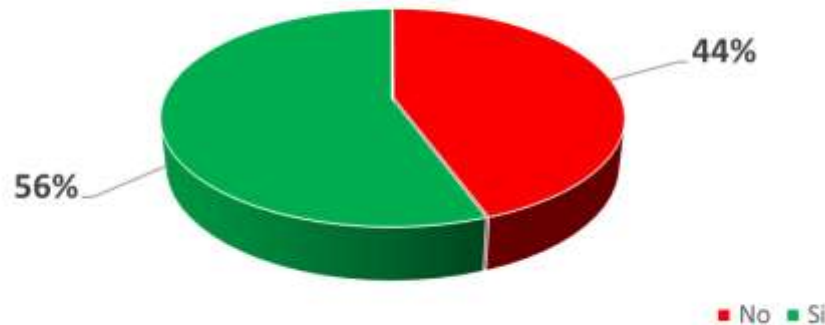
América

Have a education/ training course of the ethical use of geographic information? - Europe



Europa

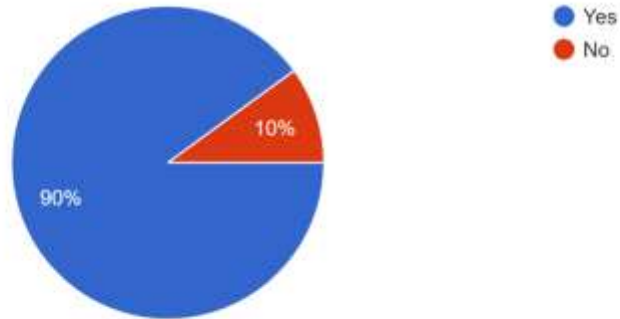
¿Brinda algún curso de entrenamiento/capacitación sobre el uso ético de los datos geográficos? - Encuesta en español



Including in the future...

Are you considering including a discussion of ethics in your course in the future?

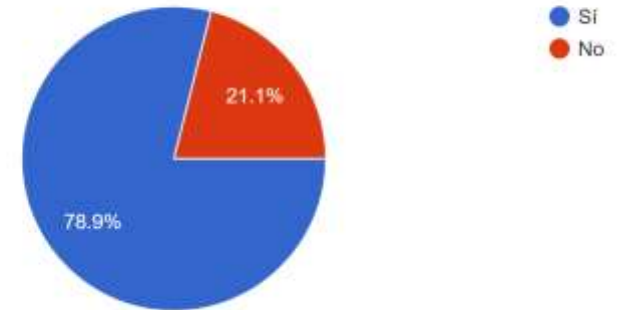
50 responses



America's Survey

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

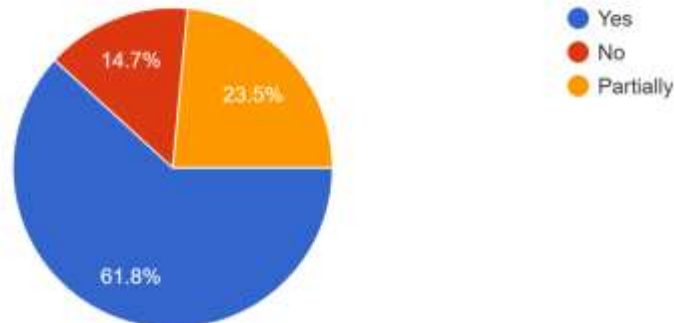
38 responses



Europe's Survey

Are you considering including a discussion of ethics in your course in the future?

34 responses



Training / Workshop 2023...

8ª Escuela SIRGAS en Sistemas de Referencia

SIRGAS



XIV – Escuela Internacional sobre «La Determinación y Uso del Geoide»

ECLAC

Workshop Use and implementation: United Nations Integrated Geospatial Information Framework (IGIF)

Training:

Workshop "Implementation of global guidelines to strengthen the management of geospatial information in the Caribbean", April 2023

Caribbean countries learned about the implementation approach suggested by the UN to implement the IGIF



WG Global Statistical and Geospatial Framework (GSGF)

Virtual Workshops “Strengthen capacities in the use of fundamental geospatial infrastructure and geocoding”, september 2023.

Vocal Mexico: INEGI

Software GIS

- Curso Básico de QGIS
- Curso de QGIS Vectorial
- Curso de QGIS Ráster
- Personalización de QGIS utilizando Phyton

Vocal Central America Panamá

- **Workshop to indentify challenges in the region**
- **Centralamerican Forum of Geographical Informatlon**



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Questions?

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