



# FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

*Protecting  
Our World,  
Conquering  
New Frontiers*

## Professional Education

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- Survey Spanish Speakers
- Identifying needs UN-GGGIM: Americas
- Survey about ethics: regulation and education
- SDG Knowledge

## Commons thoughts: Spanish Speakers Survey

### PROFESSIONAL UPDATE

- Low number of professionals with master's degree/doctorate
- Professionalization of the profession
- Outdated profession
- Lack of training
- Lack of technological updating
- Lack of investment in academia
- Few researchers
- Possibilities of acquiring new equipment



## 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 to national members Regarding the existence of regulation

- ❖ 65.5% of the countries state that there are no rules regulating the ethical use of data, although they may have some type of guide.
- ❖ 56.2% There are no federal or state regulations that **penalize** the inappropriate use of location data.
- ❖ 81.3% government institutions **do not have standards** on the ethical use of geographic data.

## Survey regarding education in the ethical use of geospatial data



**UN-GGIM**  
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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:

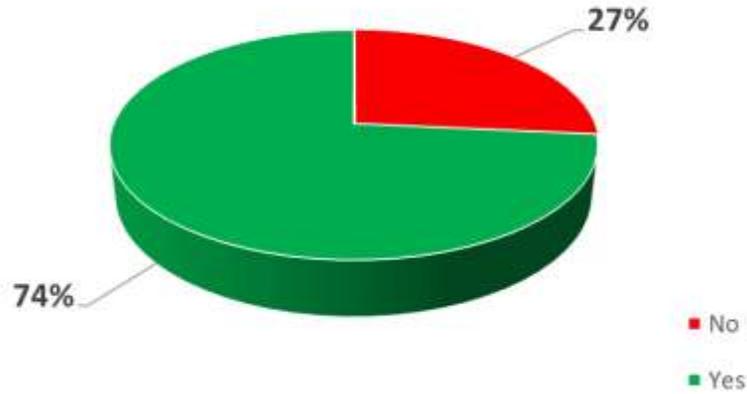
Tu respuesta \_\_\_\_\_

Name and email of the contact person:

Tu respuesta \_\_\_\_\_

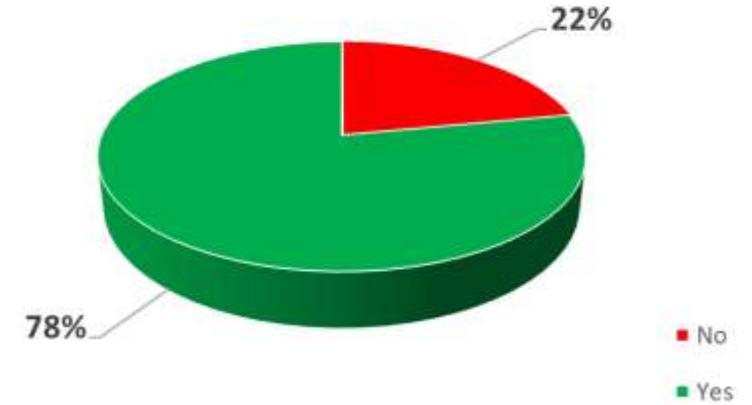
## Results

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



**América**

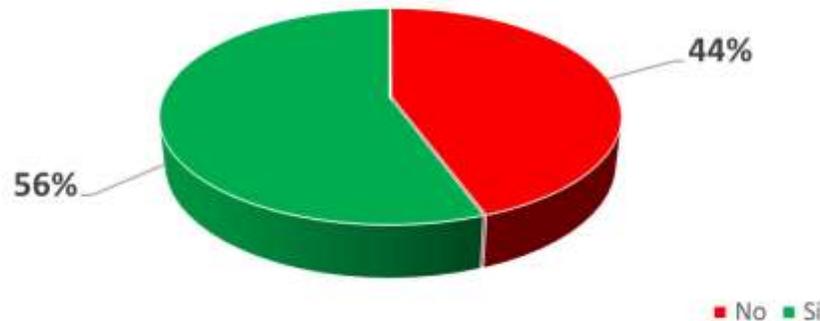
Have a education/ training course of the ethical use of geographic information? - Europe



**Europa**



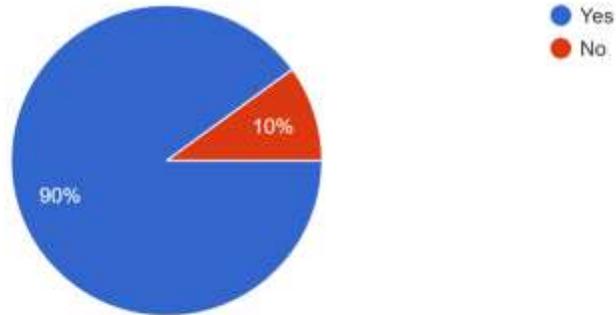
¿Brinda algún curso de entrenamiento/capacitación sobre el uso ético de los datos geográficos? - Encuesta en español



## Including in the future...

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

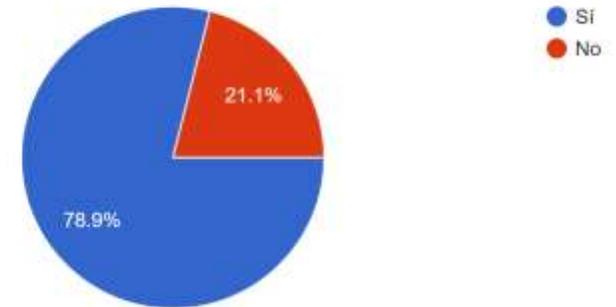
50 responses



### America's Survey

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

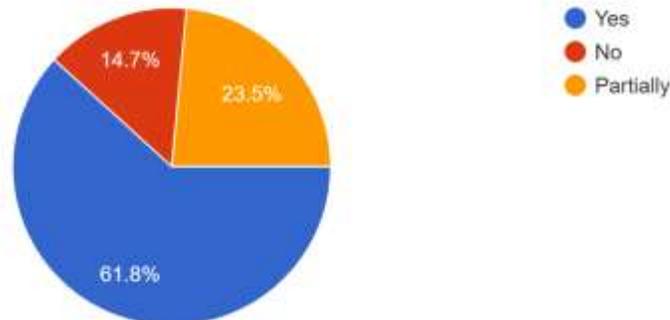
38 responses



### Europe's Survey

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

34 responses



## SDGs

## RELEVANCE OF SDGs

- UN-GGIM
- Concepts not included in curricula

Because of COVID-19

- Designed a course in order to keep students motivated and learning new concepts.
- On-line classes, meetings, interviews!
- Promote interaction even not face to face.



Pedagogical objectives:

- Bring students a closer **knowledge of the SDGs**;
- Introduce students to **research methodologies**;
- Promote a **critical spirit** in the approach to analysis;
- Encourage the **development of proactive processes** to measure geographic indicators;
- Encourage **interdisciplinary work**;
- Introduce students: **writing of scientific articles** and the dissemination of projects;
- Promote the **development of communication activities**, through the elaboration of scientific reports and oral/written presentations at national and international level.
- Recognize that our profession **HAS THE KNOWLEDGE TO CONTRIBUTE TO SDGS**

**It was a pedagogical experience that allows dabbling the world of the SDGs from a practical approach, making students feel more confident in their capacities.**

- It is a proposal that builds **links** between the environmental, geographic and academic views.
- It is an innovative proposal that **allows training expert professionals** in the use of geographic information and brings them closer view of the **Sustainable Development Goals**.
- It highlights the need to **include in the university agenda**.
- It makes **visible the relevance of having professionals trained** in these disciplines to contribute to the measurement of the SDGs and therefore **play a leading role in supporting decision making**.

**SURVEYORS** are the professionals that have the holistic capacity to measure these indicators by applying international guides, elaborating new proposals, capturing the required data, analyzing in an adequate and appropriate way, etc.

## Some final comments

- Demand of professional updates/ training / technical tools-instruments.
- Requirement of updated professionals.
- Demands on topics: SDI, Data quality, Geodesy, GI Management,...
- Starting awareness of ethical issues in the use of GI.
- MUST include education of SGDs not only to apply it to professional life but also to be able to measure and process its indicators.



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## Questions?

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