



UN-GGIM:Americas

REGIONAL COMMITTEE OF UNITED NATIONS
ON GLOBAL GEOSPATIAL INFORMATION
MANAGEMENT FOR THE AMERICAS



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X SESSION

UN-GGIM:

AMERICAS

October 18, 19 and 20 - 2023
Santiago de Chile, ECLAC

ACADEMIC NETWORK

UN-GGIM: AMERICAS

PhD. Rosario Casanova - Chair

ANA Executive Committee

2023 - 2027



ROSARIO CASANOVA
CHAIR



MACARENA PÉREZ
VICE CHAIR



RIGOBERTO MORENO
SECRETARY



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Advisory Board

2023 - 2027



CHARLOTTE D. SMITH



DANA J. CACCAMISE



MIRIAM OLIVARES

AND
**New representatives for each working group of UN-GGIM:
Americas**



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Activities Done



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Work done

Collaboration working groups

- Aguascalientes Declaration
- Capacity Development WG

Novidades en Join A... x JointActionPlan_02_18_2022 x Draft - Needs Assessm... x Joint Action Plan - Q... x Google Calendar - Di... x Meet: dix-gnyz-h... x CD WG - Monthly M... x

meet.google.com/dix-gnyz-hwo

Aplicaciones ★ Bookmarks ★ costos - Buscar con... Legislação do setor... 線上撰寫證書申請... SGB - Menú INGEN... Geographic Inform... Elements of Photog... Otros favoritos Lista de lectura

Betzy Hernandez Sandoval está presentando

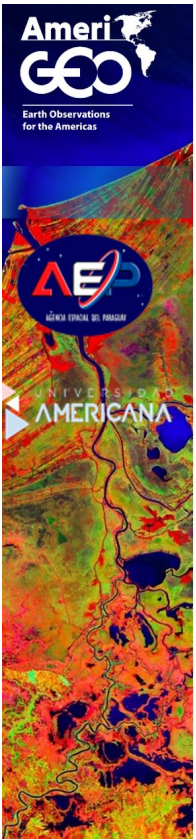
JointActionPlan_02_18_2022			
File Edit View Insert Format Data Tools Help			
75% 11 B 123 Calibri			
D7			
CCDWG - A3: Identify stakeholders in the region according to categories like data suppliers/producers, value adding organizations, business users, political and decision makers, interest			
CCDWG - A3: Identification of relevant training opportunities to be delivered through the Inter American Academy	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A3, CCOWG - A3			
CCDWG - A2: Systematically evaluate the needs of each sub-region	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: DOWG - A2, CCOWG - A3			
CCDWG - A3: Develop and provide specific courses and explorations based on regional, national and sub-national needs/priorities	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A3			
CCDWG - A4: Strengthen capacity to use and exploit geospatial data supporting the Sustainable Development Goals, Sendai Framework, and Paris Accord	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: DOWG - A7			
CCDWG - A5: Develop pilot projects involving common needs from multiple countries/stakeholders	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: DOWG - A5			
CCOWG - A1: Identify the internal structure and organization of the stakeholders directly involved in the implementation of the Declaration to create a contact directory to facilitate coordination	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
CCOWG - A2: Define the mechanisms that will allow the most valued interaction and decision-making among the parties in order to achieve objectives	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
CCOWG - A3: Identify stakeholders in the region according to categories like data suppliers/producers, value adding organizations, business users, political and decision makers, interest groups, government organizations, education institutions and others	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
CCOWG - A4: Elaborate a stakeholder communication plan that considers different types of stakeholders, communication methods, objectives, purposes, and frequency among others	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
CCOWG - A5: Elaborate a regional inventory of knowledge, skills and resources	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A2, CCOWG - A3			
DOWG - A1: Achieve a common interoperable architecture of platforms that integrates geospatial data from different sources through collaborative work between diverse existing regional organizations	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A3, CCOWG - A3			
DOWG - A2: Strengthen the institutional capacity at the national level for the generation and provision of geospatial data	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A3, CCOWG - A3			
DOWG - A3: Prepare recommendations for overcoming the geospatial digital divide in the Americas	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - A3, CCOWG - A3			
DOWG - A4: Promote the integration of efforts among regional organizations and institutions to manage, share, and exploit geospatial data to support decision-making and public policies in the Region	Assign Priority - 1 to 5 (1 highest - 5 lowest)		
Possible overlap or synergies with: CCOWG - CCOWG			
DOWG - A5: Foster the use of open data, open science, and open standards for the publication of geospatial data, knowledge and information, which allow broad conditions of access and use, but without forgetting the recognition of the authors and/or institutions, as	Assign Priority - 1 to 5 (1 highest - 5 lowest)		

Sheet2

18:31 | dix-gnyz-hwo

18:31 7/3/2022

Participants: Betzy Hernandez S..., Eldrich Frazier, Nancy Searby, Bernie Connell, jimena juarez, Simone Michelle L..., Mark Urban, Mercy Borbor-Cor..., Charlotte Smith, Albert DeGarmo, 3 más, Tu



The UN GGIM Americas Work Plan and the Joint Action Plan for the Aguascalientes Declaration

“UN-GGIM: Americas is part of the group of organizations collaborating in the Joint Action Plan for the Aguascalientes Declaration.

There is an opportunity to strengthen the collaboration between the working groups of the Joint Action Plan to support the implementation of the IGIF, specially those focused on Capacity Development and CCC (Collaboration, Coordination and Communication).

IGIF provides a structure to align the Joint Action Plan with the nine IGIF Strategic Pathways. UN-GGIM: Americas will be sharing a proposal with Amerigeo by September 2022.”

Sofia Nilo, 2022



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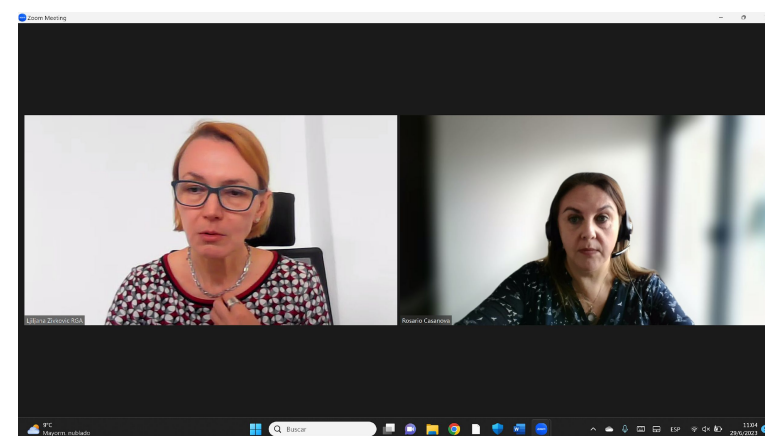
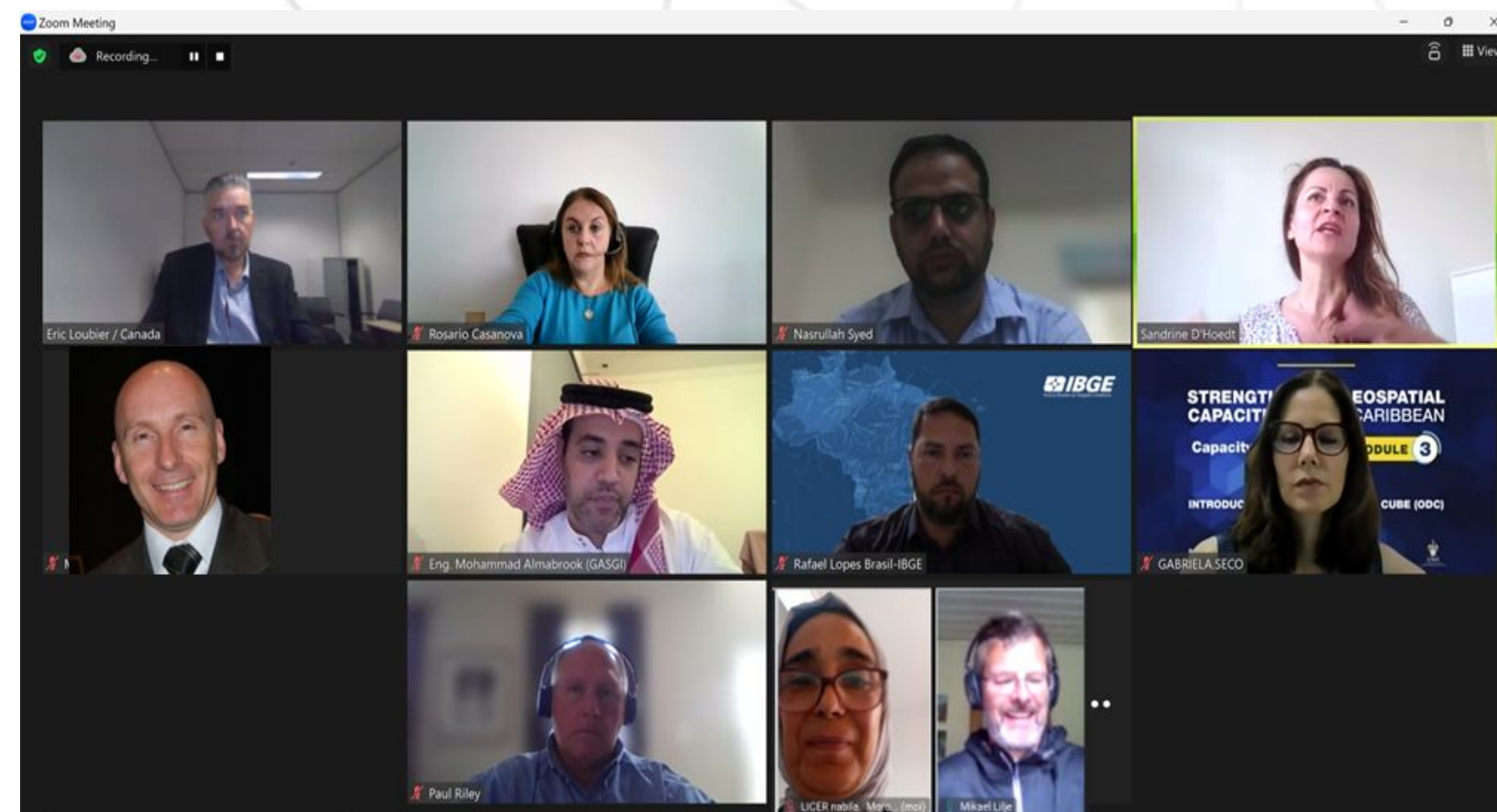


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Work done

Collaboration working groups

- Capacity Development HLG IGIF
- Coordination Team :
Translation IGIF Documents



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Translation documents IGIF

The overall ambition of the Translation Team (TT) is:

- to help promote the UN-IGIF documents widely in support of improved geospatial information management for sustainable development.
- to help foster the launch of as many language tracks as possible.

FRENCH TEAM

BELGIUM – Sandrine D'Hoedt

CANADA – Eric Loubier



Sandrine D'Hoedt



Eric Loubier

ARABIC TEAM

KINGDOM OF MOROCCO – Nabila Licer

KINGDOM OF SAUDI ARABIA – Mohammad Abdoh AlMabrook

UNITED ARAB EMIRATES – Mohamed Ghetta



Nabila Licer



Mohammad AlMabrook

PORTUGUESE TEAM

BRAZIL – Rafael Lopes da Silva

MOZAMBIQUE – Odete Semiao



Rafael Lopes da Silva



TRANSLATION TEAM



Mikael Lilje



Sergio Cimbaro



Paul L. Riley



Rosario Casanova

SPANISH TEAM

ARGENTINA – Sergio Cimbaro

MEXICO – Gabriela García Secco



Sergio Cimbaro



Gabriela García Secco

SERBIAN TEAM

SERBIA – Ljiljana Živković



Ljiljana Živković

RUSSIAN TEAM

RUSSIA – Alexey Trifonov



GERMAN TEAM

GERMANY – Gwendolin Seidner



Gwendolin Seidner



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Work done

Education/webinars

- Supported of training events carried out as part of the activities of UN-GGIM: Americas
- Diffusion of other educational activities from partners

Judges

Mrs. Jacqueline daCosta – Land Information Council Jamaica
Dr. Michael Sutherland – The University of the West Indies
Ms. Sandra Turner – National Geographic Certified Educator
Dr. Silburn Clarke – Spatial Innovision Limited
Ms. Khadija Benn – Independent GIS Consultant
Mrs. Paloma Merodio – INEGI/GGIM
Ms. Cecile Blake – UNSD/GGIM Secretariat
Dr. Rosario Casanova – GGIM/Academic Network
Dr. Zaffar Sadiq Mohamed-Ghouse – World Geospatial Information Council (WGIC)
Mr. Eric Van Praag – Esri
Mrs. Alison DeGraff Ollivierre – Tombolo Maps & Design

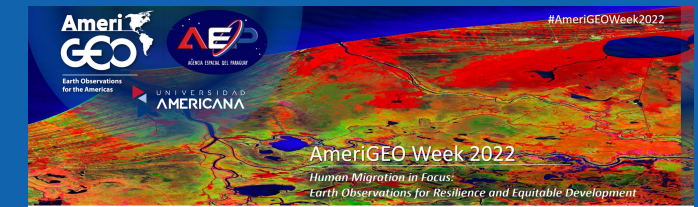


The Global Statistical and Geospatial Framework (GSGF) e-Learning Tools

The Global Statistical and Geospatial Framework (GSGF) e-Learning courses in Spanish and English have been developed by the leaders of the Central American project in collaboration with We Love Learning.

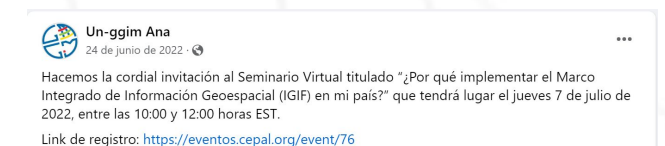
These e-Learning courses have been made possible thanks to funding by the Pan American Institute of Geography and History and the tremendous efforts and work of the Expert Group on the Integration of Statistical and Geospatial Information and the development of the GSGF, and is a result of the commitment, collaboration, and work demonstrated by the Member States of the region participating in this project.

This e-Learning course presents information that will support countries and users in understanding the GSGF – its value, application, infrastructure, and implementation requirements.



Capacity Development UN-GGIM: Americas

Rosario Casanova, Chair Academic Network UN GGIM: Américas



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Work done

Diffussion

- Presentations regarding UN-GGIM: Americas, Academic Network and specifically regarding the research of Ethics in the use of GI and its education and regarding the geographical indicators of SDG's.
- Presenting at various conference on behalf of UNGGIM Americas ANA, for example: Congress of FIG in Warsaw, Poland 2022, Working Week of FIG in Orlando, USA 2023, Annual Meeting Commission 2 and 7 FIG, The Netherlands, 2023.



UN-GGIM:ANA @UN_GGIM_ANA · 3 ago.
Nuestra presidenta Dra. Ing. Agrim. @r_casanova participa en el evento de @UNGGIMAN con una conferencia sobre la ética de datos geospaciales, así como en la 12.ª sesión de @UNGGIM.



Ciclo de webinarios

Núcleo Disciplinario Geotecnologías y Ciencias Atmosféricas

17 horas Buenos Aires / Brasilia / Montevideo
16 horas La Paz / Asunción / Santiago de Chile

Transmisión en vivo:
/AUGMOFicial

17 SETIEMBRE

30 AÑOS

«Enseñanza sobre uso ético de los datos geográficos»

Rosario Casanova

Es Ingeniera Agrimensora (Facultad de Ingeniería, UdelaR, Uruguay) experta en las áreas de geomática, ordenamiento y políticas territoriales. Cuenta con títulos de Magister en Ordenamiento Territorial y Desarrollo Urbano (Facultad de Arquitectura, Uruguay) y Doctora en Agrimensura (Rep. Argentina). Desde el año 1994 se desempeña como docente del Instituto de Agrimensura, Facultad de Ingeniería. Ha sido Directora de dicho Instituto desde el año 2014 hasta marzo del 2020.

Desde el año 2017, es presidenta de la Red Académica para las Américas de Naciones Unidas para el Manejo de Datos Geospaciales (UN-GGIM). Actualmente, es la representante de Universidad de la República en el Núcleo Disciplinar de Geotecnologías y Ciencias de la Atmósfera.



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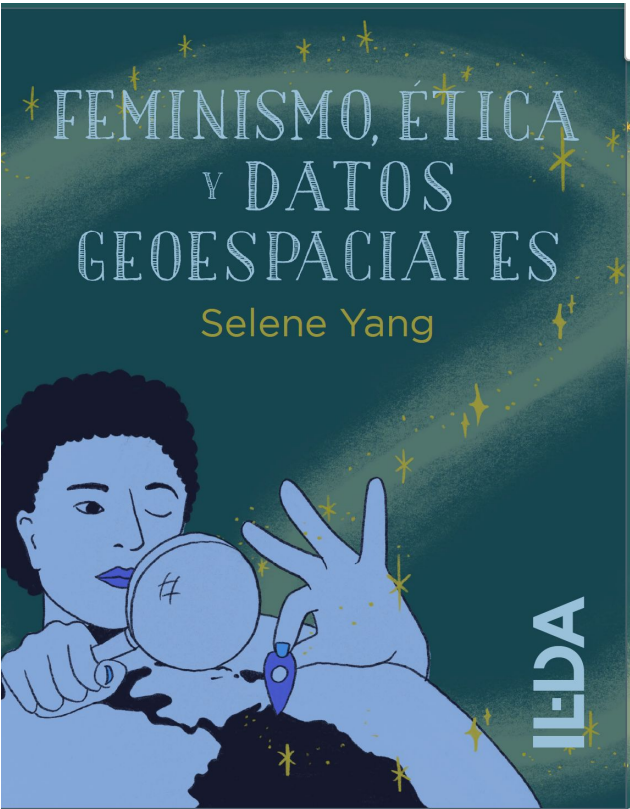


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Work done

Diffussion / Research

- Writing several articles/
interviews



Dentro del ámbito académico, cabe resaltar que las personas entrevistadas coinciden en la necesidad de expandir la discusión con respecto al uso, producción y reproducción ética de los datos geoespaciales dentro de las currículas actuales en los centros de educación, y que también el auge de iniciativas de mapeo ciudadano y social cada vez tiene menor acercamiento hacia la academia, por lo que se nota una tendencia de emancipación de la práctica frente la institución disciplinar. También cabe rescatar dentro de este ámbito, que cada vez más, las instituciones también están generando esfuerzos para fomentar las prácticas de mapeo colaborativo, como los proyectos liderados por Naxhelli Ruiz, en el Instituto de Geografía de la UNAM, México; o también YouthMappers, la iniciativa inter-universitaria fundada por Patricia Solís, de la Universidad Estatal de Arizona, para la creación de capítulos de mapeo universitario.

No obstante, también vale la pena resaltar, que a raíz de la encuesta realizada por la Red Académica de la UN GGIM en América Latina, liderada por Rosario Casanova desde Uruguay, se puede encontrar, en resultados preliminares, que alrededor de un 70% de las currículas académicas prestan poca o nula atención a la discusión sobre datos geoespaciales y ética, por lo que uno de los objetivos de esta red es el fortalecimiento futuro de las mallas curriculares sobre este tema en la región.



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<https://ww3.rics.org/uk/en/journals/land-journal/Geospatial-ethics-using-location-data.html>

PROJECTS

GEO-ETHICS

**INCLUDING SDG IN THE ACADEMIC CURRICULA
(geographical indicators of SDG)**

INVENTORY OF EXISTING COURSES/TRAINING

**DETECTING THE GAP- IDENTIFYING THE NEEDS
WITH THE TRANSLATION TEAM OF IGIF**



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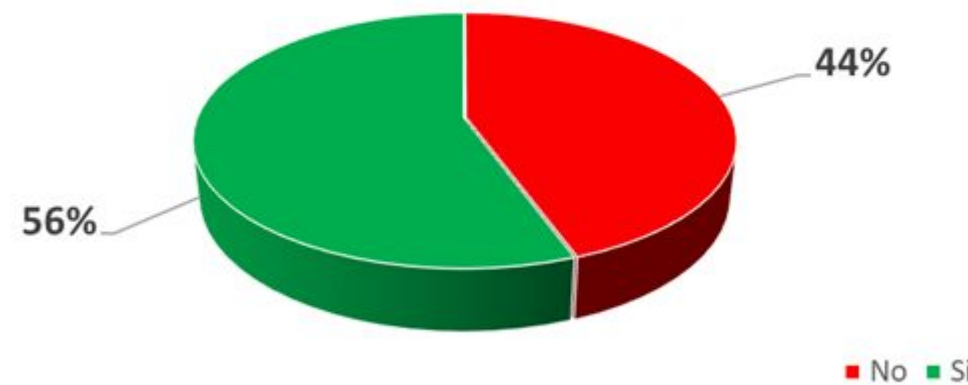
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PROJECT: ETHICS IN THE USE OF GI

Actual project

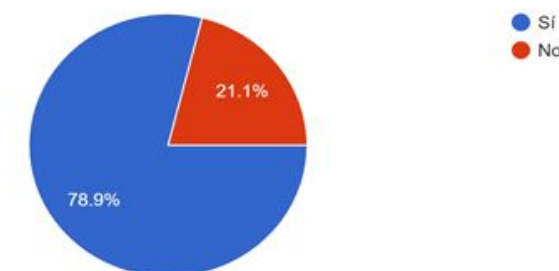
- ARGENTINA
- BRASIL
- CHILE
- MEXICO
- PANAMA
- Soon USA
- URUGUAY
- **Soon EuroSDR**

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

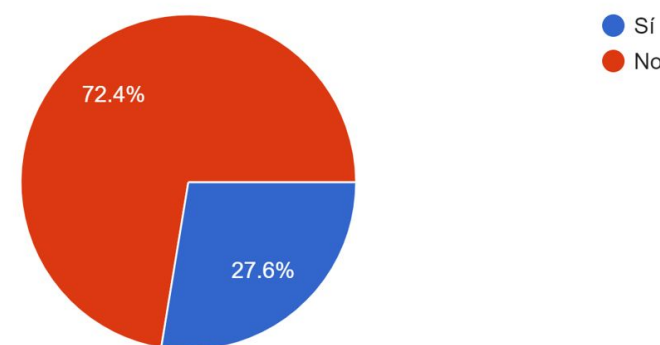


Surveys: ethical use of geospatial data (2021 – 2022)

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

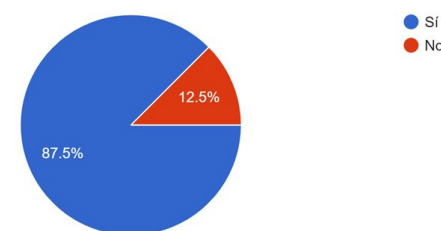


¿Incluye alguna capacitación referida al uso ético de los datos geográficos?
29 responses



Surveys: ethical use of geospatial data (2023)

¿Ha considerando incluir la discusión de la ética en el uso de los datos geográficos en este curso en el futuro? o ¿Ha considerando ampliar el tiempo...o al actual abordaje de esta temática en su curso?
8 responses



<https://forms.gle/cgM74vXJwHdaCFBPA>

PRODUCTS:

- Webinars: Training trainers
- Core topics to be included in ethical courses
- Articles



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JOINING EFFORTS WITH EUROSDR/PAIGH/AUGM/ OTHERS

INCLUDING SDG IN THE CURRICULA

MOTIVATION

RELEVANCE OF SDGs

- UN-GGIM
- Concepts not included in curricula

Because of COVID-19

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

SUSTAINABLE DEVELOPMENT GOALS





XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

Volunteering
for the future -
Geospatial excellence
for a better living

Education on the Geographic Indicators of the Sustainable Development Goals in Uruguay

Dra. Ing.Agrim. Rosario Casanova – casanova@fing.edu.uy
Senior Lecturer in Geomatics, Land Surveying Institute, Faculty of Engineering, Universidad de la República.
Chair Academic Network Americas of UN-GGIM.
Vice-president of Asociación de Agrimensores del Uruguay.



ORGANIZED BY   **TS08F: FIG & the SDG's**
making the world a better place with your skills

PLATINUM SPONSORS  

Rectoría Adjunta invita a la Semana de los ODS 2023

Conferencia:

"El Rol partícipe de la universidad en los ODS"

— FECHA —
25 de septiembre 2023

— ENLACE —
<https://una-cr.zoom.us/j/86051927023>
ID: 860 5192 7023

— HORA —
2:00 p.m.

— INVITADA —
**Rosario Casanova**
Universidad de la República del Uruguay.



Revistas Científicas del Instituto Panamericano de Geografía e Historia

Actual Archivos Acerca de Registrarse Entrar

Revista Geográfica

ISSN (impresa): 0031-0581
ISSN (en línea): 2663-399X

Inicio Archivos Núm. 165 (2022): Revista Geográfica Artículos

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
Servicio de Oceanografía, Hidrografía y Meteorología de la Armada de Uruguay
Paula Teperino
Universidad de la República

NÚMERO
SECCIÓN
COMO CITAR



Palabras clave:
cambio climático
SIG
América Latina
globalización
desarrollo urbano
Análisis Espacial
Evaluación de los ODS

ATI



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INVENTORY OF COURSES – in progress

Relevamiento de Capacitación en Geotecnologías – Red Académica UN-GGIM

El objetivo de la presente encuesta es realizar un inventario sobre la 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.

rosario.casanova@gmail.com [Cambiar cuenta](#)

 Se guardó el borrador

*Obligatorio

Correo electrónico *

En qué idioma prefiere contestar el formulario? *

☒ Español

☐ English

[Siguiente](#)

[Borrar formulario](#)

Nombre de Institución Académica responsable del dictado del curso *

Sitio web de dicha institución *

País *

Ciudad *

Breve descripción del curso *

Modalidad de dictado *

☐ Presencial

☐ Virtual

☐ Híbrido

Que tipo de capacitación brinda? *

☐ Entrenamiento

☐ Seminario

☐ Curso de grado

☐ Posgrado

☐ Maestría

☐ Doctorado

Qué áreas temáticas son las que principalmente aborda en dicha capacitación? *

☐ Análisis Espacial

☐ Cambio Climático

☐ Captura de Datos

☐ Cartografía

☐ Desastres Naturales

☐ Fotogrametría

☐ Geodesia

☐ Geografía

☐ Introducción a los SIG

☐ Objetivos de Desarrollo Sostenible

☐ Percepción Remota

☐ Planificación Urbana

☐ Salud

☐ Transporte

joining efforts with:

- **CD WG IGIF**
- **InterAmerican Academy**
- **EuroSDR**
- **America FIG Regional Network**
- **Academic Network**

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LESSONS LEARNT FROM THE TRANSLATION TEAMS

- Local / regional webinars
- Training events/ local documents
- Inventory of documents by CD WG HLG IGIF
- Detecting the gap
- Identifying the needs
- Preparing materials



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New



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WEBINARS: SURVEY: PARTICIPATION MEMBERS

Approach



Webinars / conference/
seminars: every two months, by
members of our network.

Activities

- Identify key topics of interest.
- Create calendar of specialized activities.
- Facilitate knowledge exchange.
- Promote collaboration and networking.
- Promote continuous professional updating



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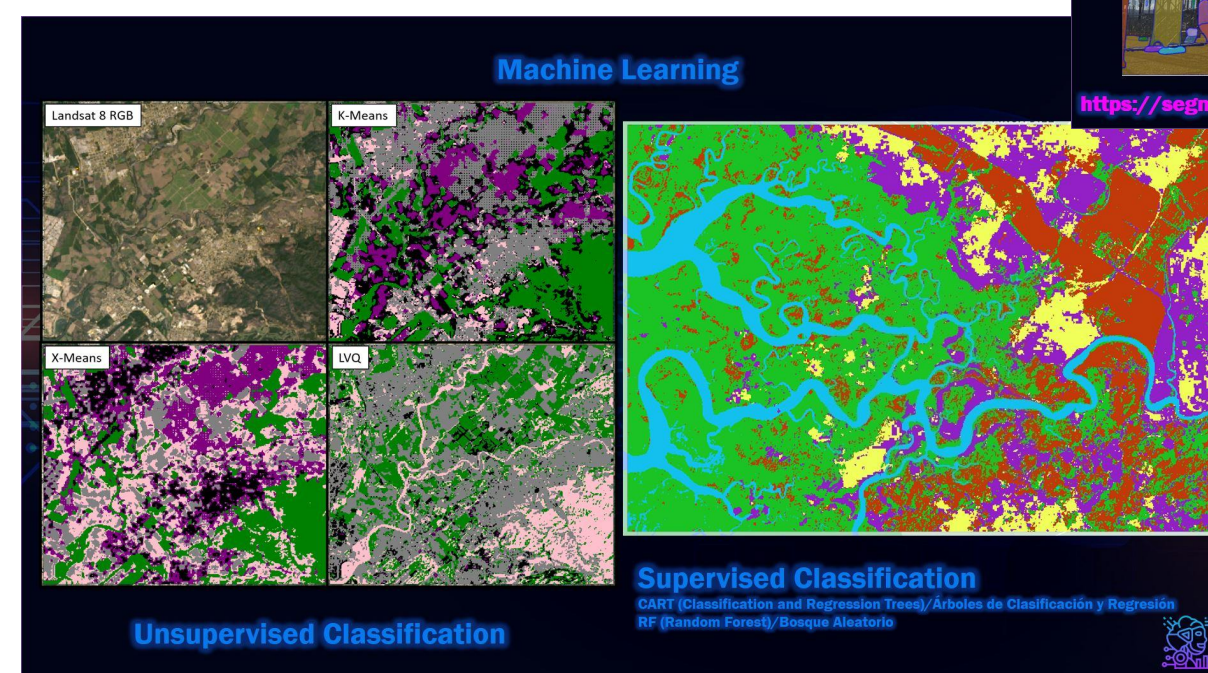
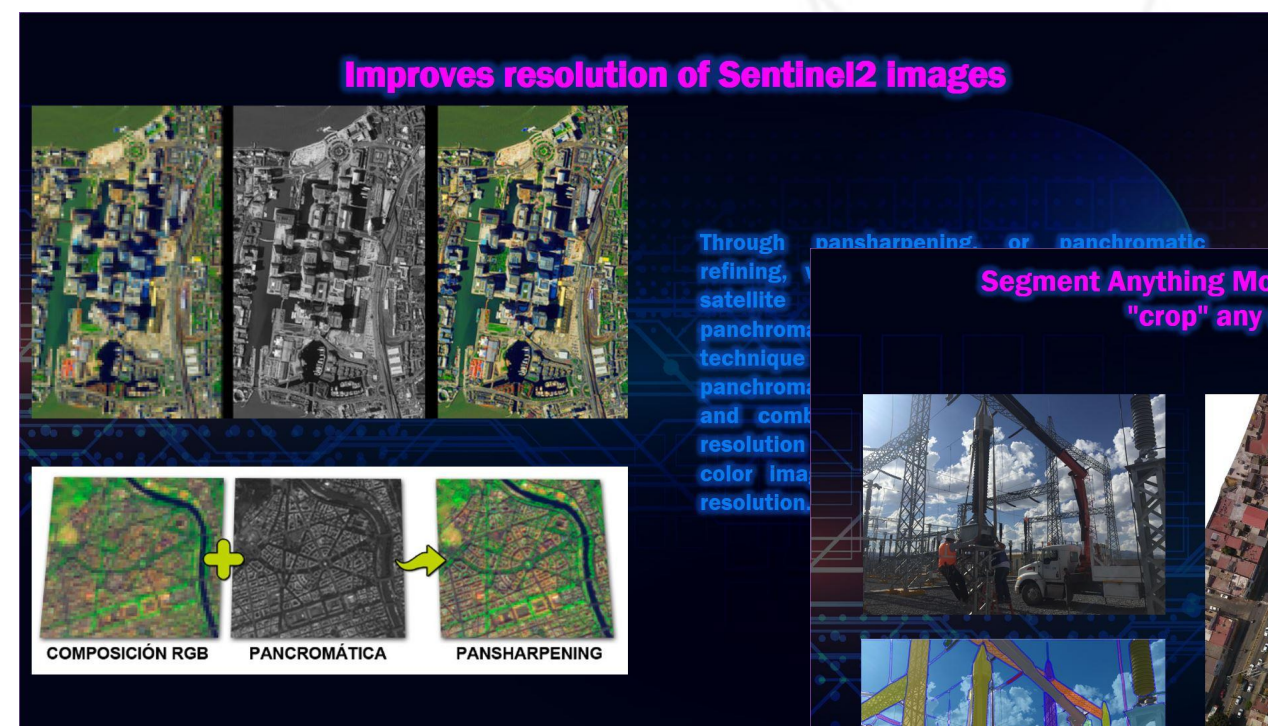
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SURVEY: ACADEMIC SITUATION IN GEOGRAPHICAL APPLICATIONS OF AI

The survey will identify institutions involved in education / research in Artificial Intelligence in geographic applications in the Americas.

- Identification of Academic offer
- Map Research Projects
- Collect Available Resources
- Determine Needs and Challenges
- Establish a Network
- Education Improvement
- Support for the SDG
- Promote Regional Collaboration



Inteligencia Artificial (IA) en la enseñanza y aplicaciones de la Información Geoespacial

El propósito de esta iniciativa es evaluar el estado de la integración de la Inteligencia Artificial (IA) en la enseñanza y aplicaciones de información geoespacial en universidades de las Américas. A través de la recopilación de datos, se busca identificar tendencias, necesidades y oportunidades para homologar planes de estudio y fomentar el desarrollo de la IA en contextos geoespaciales.

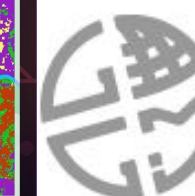
Si deseas unirse a nuestra Red puedes hacerlo ingresando a: <https://www.unggim-ana.org/>

rosario.casanova@gmail.com [Cambiar cuenta](#)

* Indica que la pregunta es obligatoria

Correo electrónico *

Tu dirección de correo electrónico



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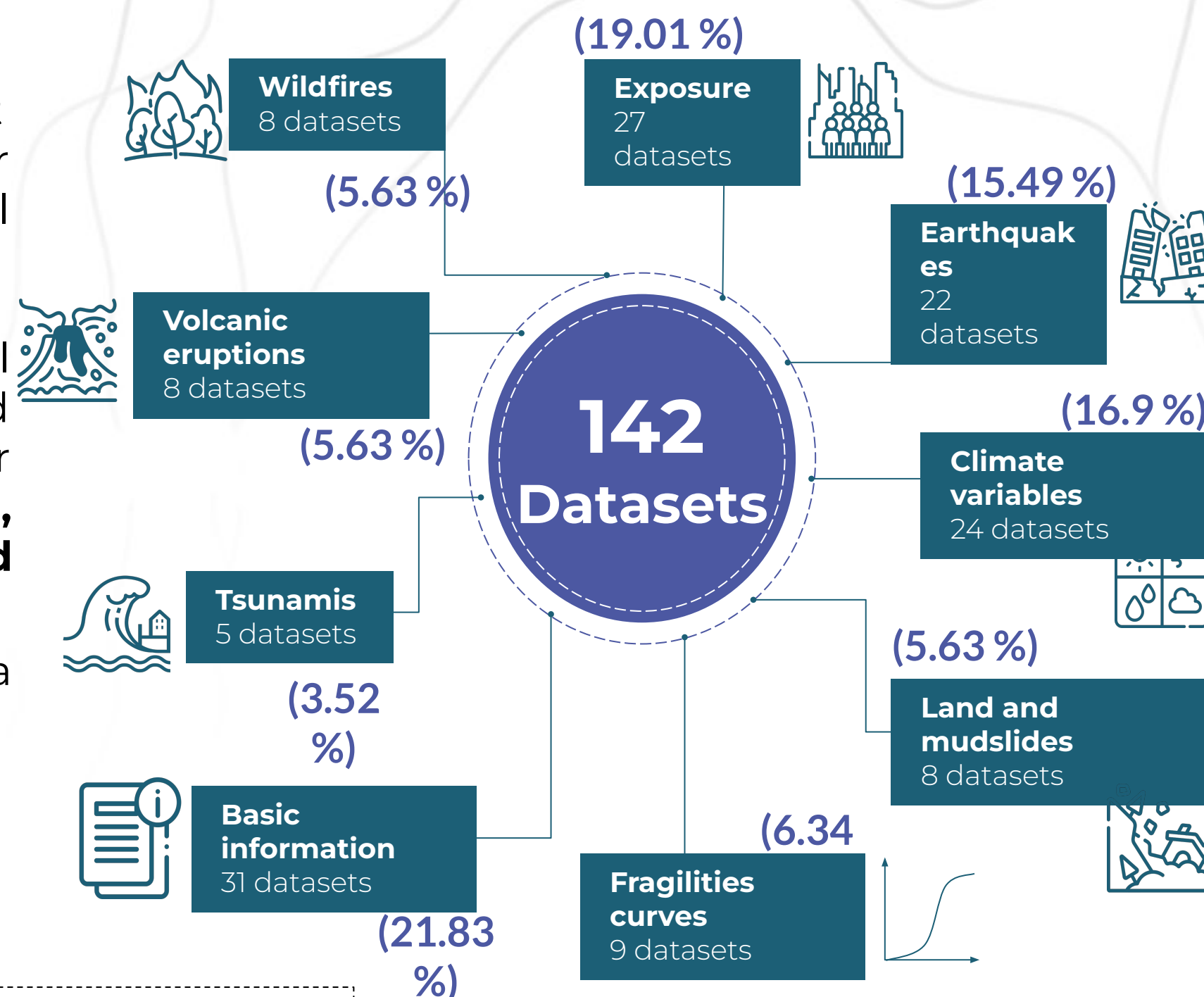
INTEGRATION OF DATA AND INFORMATION ON DISASTER RESILIENCE: RESILIENCE DATA PLATFORM

THE PROJECT

An **open access platform** that integrates data and tools for analyses related to risk and natural disaster resilience.

The data comes from several sources and have been curated and standardized in order to foster **research, innovation, development, and entrepreneurship.**

804 registered users on the Data Platform. (Sept. 23)

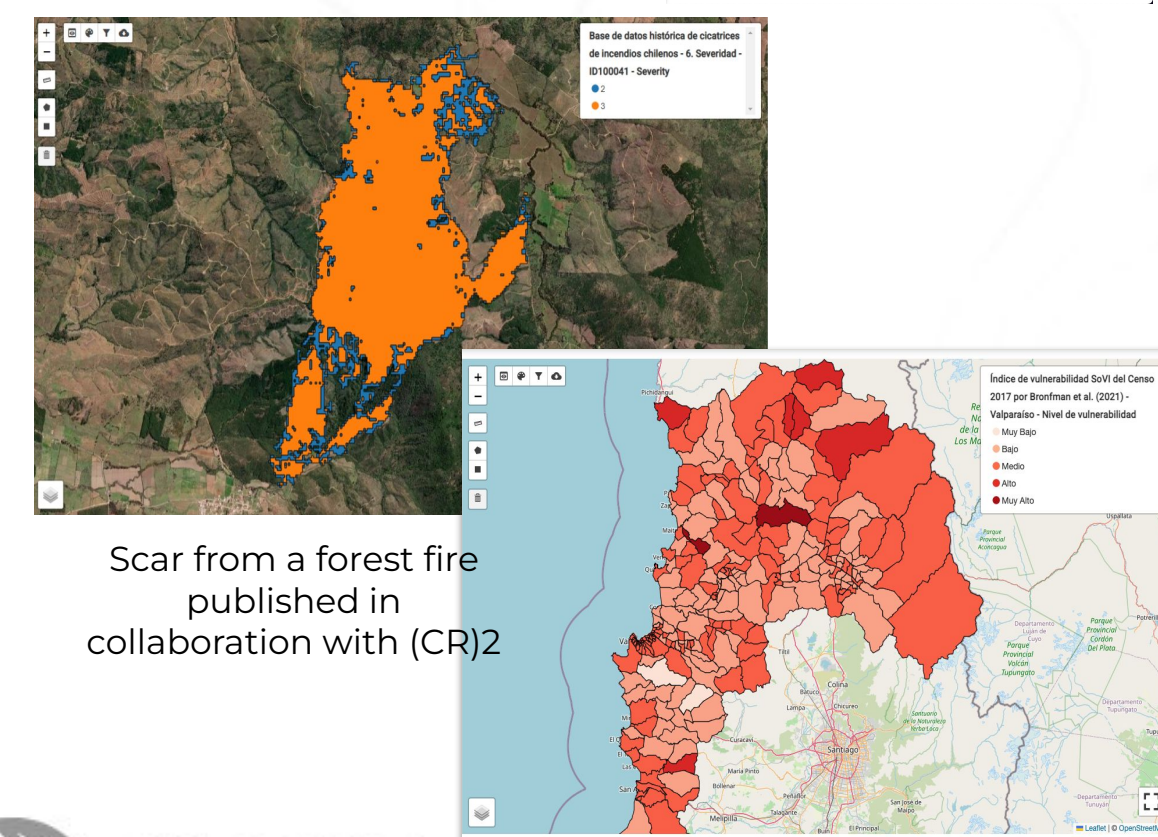
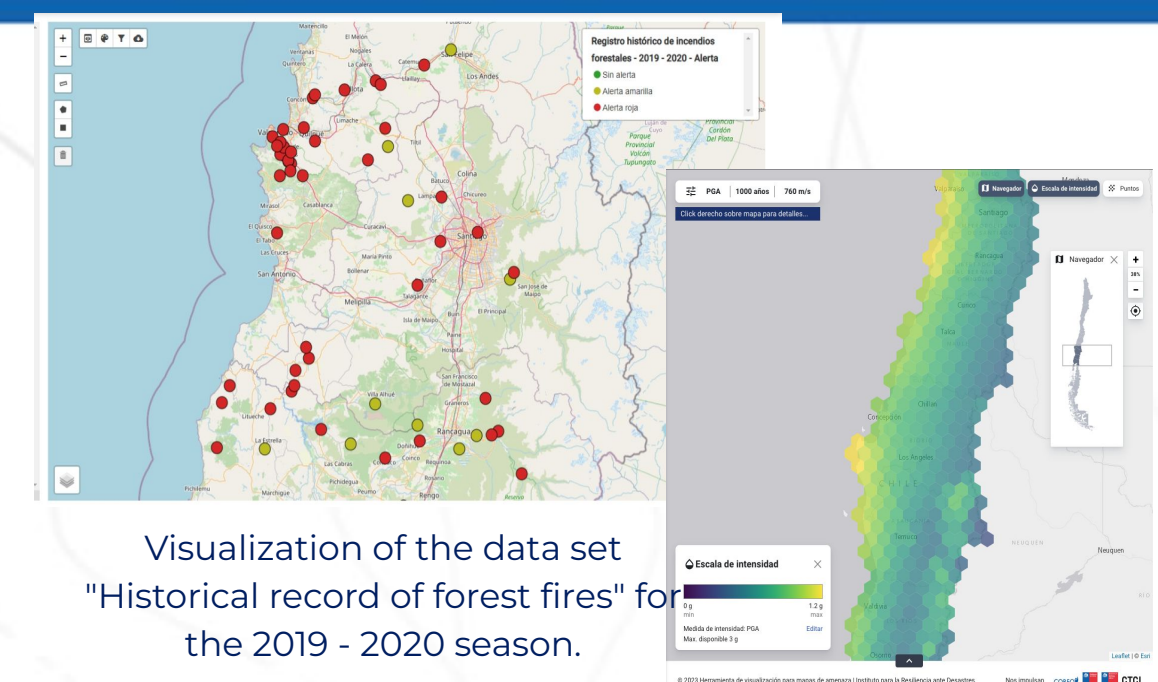


Catalog : Search, browse, view, download and export to users' workspace.

Map Viewer : Visualization of georeferenced data layers, exploration of related information and download.

Time Series: Visualization of data sequences, connection to real-time data sensors and download.

Available at:
www.plataformadedatos.cl



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MANAGEMENT FOR THE AMERICAS



PROJECT COPERNICUS

Why Copernicus ?

- Free and open data
- Periodic capture of images over known trajectories
- A comprehensive set of public global services
- Long term programme guaranteed by EU



Copernicus and University of Chile

- Copernicus agreement EU – Chile, Colombia and Brazil 2018
- U. of Chile commits to implement agreement in 2018
- Copernicus Data Repository established in Chile in September 2019
- Infrastructure supported by NLHPC



Copernicus
CopLAC - Chile

CopLAC-Chile
A Regional Copernicus
Center for LAC

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Cofinanciado por la Unión Europea

UNIVERSIDAD DE CHILE

fcjm FACULTAD DE CIENCIAS FÍSICAS Y MATEMÁTICAS UNIVERSIDAD DE CHILE

CMM Centro de Modelamiento Matemático

LAST BUT NOT LEAST



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Ethics in Geographic Information

Workshop and Symposium 1 March 22, 2021

Register here: [https://ethics.un-ggim.org/](#)

Education in the Ethical Use of Geographic Information

Symposium: Education in the Ethical Use of GIS & Spatial Data

11:30 AM - 11:40 AM (PST)
Opening Remarks: Gabriela Garcia-Soto, Executive Secretary of UN-GGIM, Americas

11:40 AM - 12:10 PM (PST)
Keynote: Teaching Ethical Use of GIS and Spatial Data (Dora Sotelo, Cornell University and UN-GGIM)

12:10 PM - 12:20 PM (PST)
Roundtable: Teaching Ethics in the Use of GIS in the Americas? (Rosario Casanova (UN-GGIM, INEGI), Benoit Van der Kerkhof)

12:20 PM - 12:30 PM (PST)
Panel: Ethics in Teaching Ethics Related to GIS, 10 Minute Presentations: GMA and Open Discussion: English Discussion Moderated by Christine Smith (UN-GGIM, AHA, UIC, Berkeley)

12:30 PM - 12:40 PM (PST)
Panel: Ethics in Teaching Ethics Related to GIS, 10 Minute Presentations: GMA and Open Discussion: Spanish Discussion Moderated by Christine Smith (UN-GGIM, AHA, UIC, Berkeley)

12:40 PM - 12:50 PM (PST)
Panel: Ethics in Teaching Ethics Related to GIS, 10 Minute Presentations: GMA and Open Discussion: Spanish Discussion Moderated by Christine Smith (UN-GGIM, AHA, UIC, Berkeley)

1:00 PM - 1:10 PM (PST)
Next Steps and Future Directions

Ethics in Geographic Information

El uso ético de la información geográfica

Judges

Mrs. Jacqueline daCosta – Land Information Council Jamaica
Dr. Michael Sutherland – The University of the West Indies
Ms. Sandra Turner – National Geographic Certified Educator
Dr. Silburn Clarke – Spatial Innovation Limited
Ms. Khadija Benn – Independent GIS Consultant
Mrs. Paloma Merodio – INEGI/GGIM
Ms. Cecile Blake – UNSD/GGIM Secretariat
Dr. Rosario Casanova – GGIM/Academic Network
Dr. Zaffar Sadiq Mohamed-Ghouse – World Geospatial Information Council (WGIC)
Mr. Eric Van Praag – Esri
Mrs. Alison DeGraff Olivierre – Tombo Maps & Design

The socio-economic benefits of geospatial information

AmeriGEO Week 2022

Capacity Development UN-GGIM: Americas

UN Audiovisual Library

UN Photo

UN-IGIF WORKSHOP FOR THE CARIBBEAN

CARIGEO STUDENT COMPETITION SPONSORS

Ethics in the use of geospatial information in the Americas

Paloma Merodio Gómez*, Andrea Ramírez Santiago*, R.R. Gabriela García Seo*, Rosalva Casanova*, Denise MacKenzie*, Christopher Tucker*

* National Institute of Statistics and Geography, Mexico
* University of Republic, Uruguay
* Association for Geographic Information and University of Southampton, UK
* American Geographical Society, USA

Revised 12 November 2021, Revised 5 March 2022, Accepted 7 March 2022, Available online 12 March 2022, Version of Record 14 March 2022

COVID-19 Pandemic, Geospatial Information, and Community Resilience

Global Applications and Lessons

By Abbas Rajabifard, Greg Folien



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X SESSION **UN-GGIM:** **AMERICAS**

October 18, 19 and 20 - 2023
Santiago de Chile, ECLAC

Thank You

PhD. Rosario Casanova
Chair Academic Network UN-GGIM: Américas