



# FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:  
Resilient Environment  
and Sustainable  
Resource Management  
for All

## Education/Training opportunities

Dra. Rosario Casanova

[casanova@fing.edu.uy](mailto:casanova@fing.edu.uy)

May 2024

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GEOSA





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## IGIF

United Nations > Department of Economic and Social Affairs > Statistics Division



TOPICS ▾ DATA ▾ METHODOLOGY ▾ EVENTS ▾ PUBLICATIONS ABOUT ▾



### United Nations Integrated Geospatial Information Framework (UN-IGIF)



#### Annual sessions

- Fourteenth session
- Thirteenth session
- Twelfth session
- Eleventh session
- Past sessions

#### Overview

- Mandates
- Aims and Objectives
- Bureau
- Regional Committees
- Functional Groups
- Thematic Networks

#### Quick links

- UN-GGIM Events
- Past Events
- UN-IGIF

#### Overview

The United Nations Integrated Geospatial Information Framework (UN-IGIF) provides a basic and guide for developing, integrating

#### UN-IGIF: Strengthening national geospatial information management

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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.

### TRANSLATION TEAM



Mikael Lilje



Sergio Cimbaro



Paul L. Riley



Rosario Casanova

**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 Gheta



Nabila Licer



Mohammad AlMabrook

**PORTUGUESE TEAM**

BRAZIL - Rafael Lopes da Silva  
MOZAMBIQUE - Odete Semiao



Rafael Lopes da Silva



Odete Semiao

**SPANISH TEAM**

ARGENTINA - Sergio Cimbaro  
MEXICO - Gabriela Garcia Secco



Sergio Cimbaro



Gabriela Garcia Secco

**SERBIAN TEAM**

SERBIA - Ljiljana Živković



Ljiljana Živković

**RUSSIAN TEAM**

RUSSIA - Alexey Trifonov



Alexey Trifonov

**GERMAN TEAM**

GERMANY - Gwendolin Seidner



Gwendolin Seidner



UN-GGIM:Americas  
REGIONAL COMMITTEE OF UNITED NATIONS  
ON GLOBAL GEOSPATIAL INFORMATION  
MANAGEMENT FOR THE AMERICAS



UNITED NATIONS



ECLAC





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## TRAINING COURSES/ WEBINARS

SOME INICIATIVES IN THE AMERICAS

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GEOSA  
Geomatics Engineering Society of Ghana  
General Authority for Survey  
and Geospatial Information





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## UN-GGIM: America / Academic Network





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# AMERIGEO

<https://academy.amerigeoss.org/>

Advancing Data Driven Decision Making in the Americas

**AmeriGEO** GROUP ON EARTH OBSERVATIONS

Home About News and Events Capacity Development Services

### AmeriGEO Capacity Development

Addressing User Needs and Bridging Gaps

The specific goals of the AmeriGEOSS initiative are to address coverage gaps, develop actionable tools and services, build capacity in GEO-member countries by leveraging existing expertise, technology, and efforts in-country and across the region, and apply the knowledge and capabilities of partner members to address gaps and challenges.

**HOW WILL AMERIGEO ACCOMPLISH OUR GOALS**

- Pilot Projects
- Facilitate Interoperability
- Knowledge Transfer**
- Address Regional Challenges
- Foster Cooperation

<https://experience.arcgis.com/experience/ec229e303634b71b06c3a6144370388/page/Capacity-Development/>

Inter-American Academy of Geosciences & Applications  
Empowering Data-Driven Decision Making

Home About Us Upcoming Trainings On-Demand Webinars Self-Paced Trainings

English Spanish

6 UPCOMING TRAININGS 445 ON-DEMAND WEBINARS 83 SELF-PACED COURSES 4 PAST LIVE SESSIONS 30 REGISTERED PARTNERS

Register Watch Email Watch Visit

### Welcome to the Inter-American Academy of Geosciences & Applications

Partners in the Inter-American community are working to build capacity to advance the use of Statistical, Earth Observation, Geospatial and other Data to improve understanding and promote data-driven decision-making.

Inter-American Academy of Geosciences & Applications  
Empowering Data-Driven Decision Making

Home About Us Upcoming Trainings On-Demand Webinars Self-Paced Trainings

Webinars: 465 Available

Please select a webinar below to continue.  
Selection will appear in yellow.

Webinar: 1-minute Visible Satellite Imagery Applications for Severe Thunderstorms

Course Keywords: Severe Weather, Satellite Imagery, Thunderstorms, Severe Weather

TRAINING DETAILS

Webinar Date: 2/7/2015  
Provider: NOAA  
Course Level: Introductory  
Language: English  
Thematic Area: Weather\_and\_Climate\_cross\_cutting

TRAINING PROVIDERS

Point(s) of Contact: NOAA

COURSE DESCRIPTION

This training session focuses on applications of 1-minute (or 30-second) imagery for analysis of severe thunderstorms.

LEARNING OBJECTIVES

GOES-R high temporal-resolution imagery will enable meso-analysis of the pre-storm environment and monitoring the changing environment during the precast to warning decision making time period that is not possible with the current scanning (RSO, 8 images per hour) schedule.

INTENDED AUDIENCE

appropriate for beginners and intermediate users for Geospatial Information





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## PAIGH

## PAN AMERICAN INSTITUTE OF GEOGRAPHY AND HISTORY

Instituto Panamericano de Geografía e Historia

INICIO ACERCA DE REUNIONES ESTADUTARIAS COMISIONES PROGRAMAS DOCUMENTOS ALIANZAS PRENSA GALERIAS

Prodot on September 1, 2022 by 409th

**CONVOCATORIAS edición 2024**

**Comisión de Cartografía**  
Premio a la Mejor Tesis de Maestría en Cartografía, Geodesia y/o Información Geográfica  
Premio "Pedro Vicente Maldonado" a la Mejor Tesis de Doctorado en Cartografía, Geodesia y/o Información Geográfica

**Comisión de Historia**  
XIV Congreso Dominicano de Historia

**MEMORIAS**  
Segundas Jornadas Académicas del Congreso Americano de la Libertad

Documento que instruye la creación del IPGH ...

**ACTA FINAL**

Instituto Panamericano de Geografía e Historia

Instituto Panamericano de Geografía e Historia

INICIO ACERCA DE REUNIONES ESTADUTARIAS COMISIONES PROGRAMAS DOCUMENTOS ALIANZAS PRENSA GALERIAS

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 their 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.

The GSGF permits the production of standardized and integrated geospatially enabled statistical data to facilitate data-driven decision-making. The resulting data can then be integrated with other information to inform and facilitate evidence-based decision making to support sub-national, national, and global development priorities and agendas, such as the 2030 Agenda for Sustainable Development.

Below are the links to the English and Spanish versions of the GSGF e-Learning tools.

[GSGF e-Learning-ENGLISH](#) [GSGF e-Learning-ESPAÑOL](#)





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## SIRGAS

The screenshot shows the SIRGAS website with the following elements:

- Logo:** A large '30' with a globe and a satellite, with 'SIRGAS' and 'sargas.ipgh.org' below it.
- Navigation:** Organization, Realizations, Events, GNSS network, National networks, Products, Resources, English.
- Dropdown Menu (under Events):**
  - Trainings > 2024 > SIMPOSIO 2024
  - Calendar > 2023 > SIRGAS School "REAL TIME"
  - SIRGAS symposium
  - SIRGAS schools
  - Traning courses GNSS
  - SIRGAS webinars
- Main Content:**

### SIRGAS: Geodetic Reference System for the Americas

SIRGAS is a pan-American organization made up of regional government geodesy and cartography agencies, universities and research centers, which has the objective of defining and maintaining a continental geocentric reference frame, a unified vertical reference system, a gravimetric geoid model, and a continental network of absolute gravity.





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## TRAINING COURSES/ WEBINARS

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## EuroSDR

<https://www.eurosd.net/>

eurosd.net

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EuroSDR

About Commissions Research Education Workshops Publications

EuroSDR is a not-for-profit organisation linking National Mapping and Cadastral Agencies with Research Institutes, Universities and Companies in Europe for the purpose of applied research in spatial data provision, management and delivery.

**LATEST NEWS**

**New Publication | Workshop Report on Sustainable Business Models for NMCAs (2024)**  
16 May 2024

EuroGeographics and EuroSDR held a joint event which aimed to provide an inventory of Business Models for National Mapping, Cadastral and Land Registration Authorities (NMCAs).

Read more

**EuroSDR/AGILE 2024 Workshop | Current trends of Volunteered Geographic Information in National Mapping and Cadastral Agencies**  
14 May 2024

Read more

**IN THE PICTURE**

EduServ22

- Pre-course seminar – 4-5 March 2024
- Remote sensing and change detection with Sentinel time series data. 11 – 22 March 2024
- Sustainable business models for open geospatial data – 8 – 19 April 2024
- From traditional to AI-based 3D scene capture and modelling – 6 – 17 May 2024
- Point cloud processing with laser scanning 3 – 14 June 2024

More information here

## COURSES





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## International Association of Geodesy


<https://www.iag-aig.org/services>

[iag-aig.org/services](https://www.iag-aig.org/services)

**International Association of Geodesy**  
a Constituent Association of IUGG


IAG ▾ ACTIVITES ▾ PUBLICATIONS ▾

### Services

 **International Digital Elevation Model Service (IDEMS)**


A newly developed International Digital Elevation Model Service (IDEMS) is now available under the umbrella of the International Gravity Field Service (IGFS) of the International Association of Geodesy (IAG). IDEMS provides a focus for distribution of data and information about various digital elevation models, including spherical-harmonic models of Earth's global topography and lunar and planetary DEM. Related datasets, such as representation of Inland Water within Digital Elevation Models, and relevant software which are available in the public domain are also provided.

2016-10-20

 **International Centre for Global Earth Models (ICGEM)**


The structure and services of the International Centre for Global Earth Models (ICGEM)

2005-04-27

 **International GNSS Service (IGS)**


The structure and services of the International GNSS Service (IGS)

2003-12-08

 **International Gravimetric Bureau (BGI)**

The structure and services of the International Gravimetric Bureau (BGI)

2003-12-08

 **International Geodynamics and Earth Tide Service (IGETS)**

The structure and services of the International Geodynamics and Earth Tide Service (IGETS)





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## International Service for the Geoid

ISG - International Service for the Geoid

isgeoid.polimi.it/Schools/schools.html

PRESENTATION NEWS PROJECTS SERVICES NEWTON'S BULLETIN CONTACTS

### Services - Schools

#### Geoid Schools

One of the main tasks of ISG consists in organizing or supporting technical schools on geoid estimation and related topics, to be held possibly every two years. The First International School for the determination and use of the Geoid was organized in Milan in 1994, and since then many other editions of the School followed, held in many countries, with the support of local organizing committees.

The general purpose of the full-week intensive Geoid School is to prepare new graduate students, young scientists, employees of national agencies and services or industry staff, to compute and use gravimetric geoids for scientific and technical applications in geodesy, primarily in transforming ellipsoidal (GPS) heights into orthometric heights. The School provides a good opportunity to familiarize with the latest development in geoid determination, and to improve international contacts and collaborations among scientists dealing with gravity field modeling.

The School is structured in a way to be self-contained for any participant at graduate level with basic knowledge of geodesy. Theoretical lectures are followed by computer exercises based on the available software.

The lectures are given according to the following general scheme:

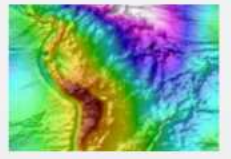
- introduction to physical geodesy and to collocation theory in geoid computation;
- computation and use of high degree and ultra-high degree geopotential models;
- geoid computation using Stokes' integral;
- terrain effects in geoid estimation;
- FFT techniques in geodesy.
- some seminars on specific topics.

Lecture notes of the courses are distributed to the participants as well as a CD containing software and exercises. The CD containing software and examples on geoid computation, as well as the lecture notes, can be requested through the ISG website, under the same restrictions applied when distributed during the geoid schools: a declaration stating for non commercial use of the software is needed.

ISG educational activities are also developed in order to support foreign institutions and scientists in the field of geoid computation. Foreign Institutions can contact ISG to ask for specific training courses on geoid computation beyond the yearly International Geoid School.

The most recent educational cooperations have been :

- Support to the National Geophysical Research Institute of Hyderabad (India) in computing a gravimetric geoid in South India.





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SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals

## America Regional Capacity Development Network

Serving Society for the Benefit of People and Planet



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