

EB Meeting of the UN-GGIM-AP

Sydney, 6th May 2024

*Facilitating the Operation of UN-GGIM-AP by Access to
Geospatial Research and Education*

UN-GGIM Academic Network

Mission, Organization and Proposed Contribution to **UN-GGIM-AP**

<http://unggim.academicnetwork.org>

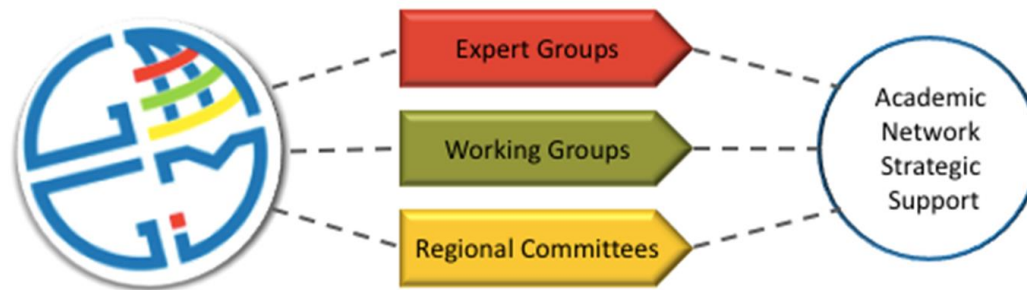


UN-GGIM | ACADEMIC NETWORK

unggim.academicnetwork.org

UN-GGIM Academic Network-Background

- Academic Network is a **Strategic Knowledge, Research and Training Arm of UN-GGIM**. The Academic Network was established officially at the 6th session of UN-GGIM in 2016.
- The Network is a coalition of recognized universities, research and education centers or equivalent involved in the research, development and training on geospatial and land information and related matters.



The Network, 68 members



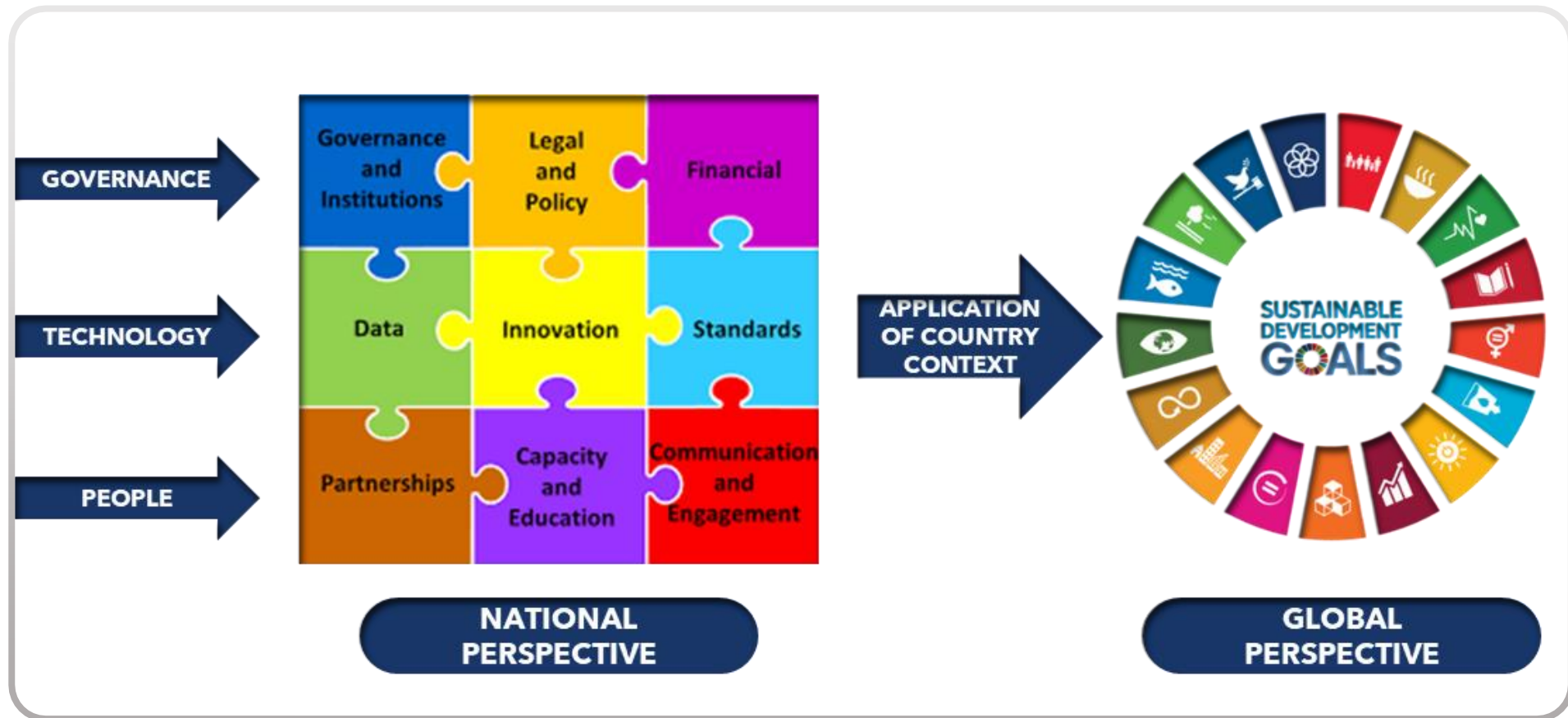
Our Objectives

- Promote and foster collaboration between universities/research entities to support UN-GGIM Plan and Activities;
- Encouraging Members to undertake work that can contribute to the **UN-GGIM** and its **Regional Committees**, and contributing to **UN-SDGs** as well as **UN-IGIF**;
- Forum of geospatial academics and researchers to advance competencies and qualifications needed for the UN-GGIM and supporting Member States;
- Communication Platform for member countries to bring to the attention of the Network key needs, problems, and areas of research needs and advancements;
- **Capacity Building** and developing an inventory of international education programs open to and recommended for UN-GGIM actors.



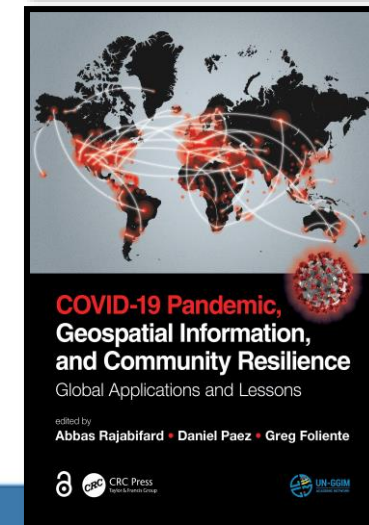
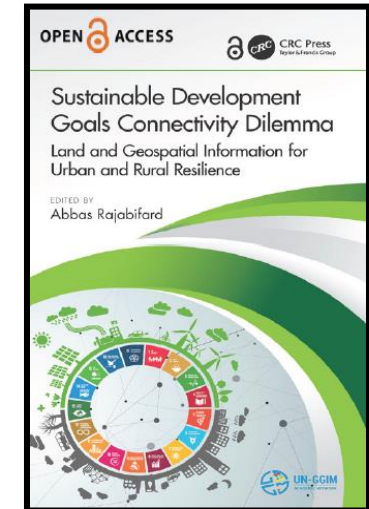
Strategic Activities

- Strategic alignment with UN-GGIM Agenda and **UN-IGIF Framework**
 - **Academic Network Contributes across all *IGIF Components***



Strategic Activities

- Collaboration and joint Activities with other Functional and Thematic Groups;
- Annual UN-GGIM Side-events and Regional events, eg:
 - 13th UN-GGIM Session 2023, “**GeoAI- Opportunities and Challenges**”, jointly with PSN-Private Sector Network,
 - 12th UN-GGIM Session 2022 “**Trustful and Ethical Use of Geospatial Data: the Role of Academics**”
 - 2nd WGGIC in Hyderabad, India 2022, “**Bridging Academia and Industry in Geospatial Research, Education and Training**”
- **Publications:**
 - **Book on SDGs Connectivity Dilemma**, Lunched at **UN-GGIM 2019 (Open Access)**
 - **Book on COVID-19 Pandemic, Geospatial Information, and Community Resilience**, Global Applications, Launched at **UN-GGIM 2021(Open Access)**
 - **Book on ‘Mapping for a Sustainable World’** was published 2020 applicable to UN-IGIF: All kind of visualization developments can be useful at some point in time in some of the 9 UN-IGIF Components.
 - Special Issue : IJGI Trustful and Ethical Use of Geospatial Data, 2023
 - Special issue of ISPRS International Journal of Geo-Information; *deadline for manuscript submissions: 31 July 2023*
 - Mapathon (with UN Geospatial Network), 2022



Strategic Activities

Facilitate **access to Education** via curated collection of resource contributed by UN-GGIM AN's members:

<http://unggim.academicnetwork.org/educational-material/>



The screenshot displays the website's header with the UN-GGIM Academic Network logo and tagline: "Support global geospatial management with science and research". The navigation menu includes Home, News & Events, Organization, Members, Activities, Educational Material (highlighted), and About the Network. The main content area is titled "Educational Material" and contains a table with the following data:

Title	Keywords	Universities and Research Centres	Links	Notes
GIS4Schools	QGIS, data visualisation, data analysis, imagery analysis, crisis mapping, Copernicus EMS	- Politecnico di Milano	Link to the English Version GIS4Schools Handbook GIS4Schools Handbook in Italian; French; Portuguese; Romanian; Spanish	Free & Open-source
Capacity Building for GIS-based SDG indicator analysis with global high-resolution land cover datasets	SDGs, open-source	- Politecnico di Milano (Italy) - United Nations Institute for Training and Research (Thailand) - National Geomatics Center of China (China) - University of Pretoria (South Africa) - Curtin University (Australia) - Udine University (Italy) - University of Cagliari (Italy) - University of New South Wales (Australia)	Training Material Data GitHub repository	Free & Open-source
UNECE Guidelines for the formalization of informal constructions	SDGs, informal settlements, land-related problems, adequate housing	- National Technical University of Athens - NewStream Companies - FIG Commission 9 - Kadaster, The Netherlands - Housing and Land Management Unit, UNECE - UNECE experts	UNECE Guidelines for the formalization of informal constructions	Free & Open-source

At the bottom of the page, there is a link: [Workshop: Satellite data analysis](#)

Strategic Activities

- Facilitate discussion on ***Ethical use of Geo-AI*** via:
 - Series of side-events organized at 11th, 12th and 13th UN-GGIM Sessions;
 - Series of webinars on e.g. **Geospatial Entablements**, GeoAI for Good - three examples:
 - Workshop on '[Building a foundation for geospatial AI: defining a syllabus and body of knowledge](#)'
 - Members participating in '[GeoAI Challenge](#)'.
 - A webinar with panel discussion on [GeoAI Education](#)




UN-GGIM-AP and Academic Network

Recommendation 2-Collaboration with WGs:

A joint Team with AN to identify the needs of all WGs and opportunity to closely collaborate to support WGs' WorkPlans by developing joint Events e.g. **Seminars, Workshops, Short Term Trainings** to address the **Strategic Directions of WGs.**

Capacity Building Opportunities in 2024- **WG1**

- Capacity Development Workshop on Geodesy on November 2024 in India in conjunction with UN-GGIM-AP 13th Plenary (TBD)
- WG1 annual session at the UN-GGIM-AP 13th Plenary in India on November 2024
- PGSC meetings
The GeTEWS Oceania 2024 Implementing Workshop in Suva, Fiji on November 4-8, 2024
- Subcommittee on Geodesy and Global Geodetic Center of Excellence in Bonn, Germany on March 2025 (TBD)
- Other opportunities?



UN-GGIM | United Nations Initiative on Global Geospatial Information Management | "Positioning geospatial information to address global challenges" | ggim.un.org

HLG-IGIF Working Groups **WG4**

Advancing the Plan of Work



Communications

Capacity Development

Sustainable Funding

IGIF Workshop for Capacity Building in India



UN-GGIM-AP | Regional Committee of United Nations Global Geospatial Information Management for Asia and the Pacific | www.un-ggim-ap.org

WG2 Resolutions from 12th UN-GGIM-AP Plenary Meeting (Bali, Indonesia @November 2023) (1 of 2) **WG2**

- **Recognizing the importance of the strategic work plan 2023-2035 of the Expert Group on Land Administration and Management (EG-LAM);**
- **Implementing the Framework for Effective Land Administration (FELA) at the national level** and in collaboration with regional committees, functional groups and international organizations;
- **Encourage member States to engage in the Framework for Effective Land Administration**, especially by translating it in their own languages and practically implementing it, leverage the UN-IGIF Implementation Guide, and work with the UN-GGIM Expert Group on Land Administration and Management;



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UN-GGIM AN & UN-GGKIC



Recommendation 3:

Opportunity to closely collaborate with UN-GGKIC in Deqing, China to support UN-GGIM-AP by developing a series of Seminars, Workshops, Training and joint Events to address the strategic Direction of UN-GGIM-AP and its priorities.



Thank You!

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