



**UN Open GIS Initiative VTC**

# **UN Open GIS Monthly VTC**

12 November 2025

**Ariel Anthieni, OSGeo Foundation**

**Hidenori Fujimura, JICA**

**Josep Parareda, UN HQ**



1. Comments by Co-Chairs (Ariel, Hidenori, Josep)
2. Introduction of new participants, if any
- 3. UNICEF use cases leveraging open-source GIS infrastructure (Jan)**
- 4. New DWG proposal (Ariel)**
5. Working Group report (ascending order)
  - DWG-1 Hybrid GIS platform (Timur, Zeeshan, Epa/Rodwell, Akbar, #Cung)
    - Mobile GIS Solutions, including integration with Azure AD (Epa/Rodwell, Zeeshan, Cung)
    - UNMISS Story Map (Zahurul/Akbar/Debasish, Timur)
  - DWG-2 Capacity Building (Ivan, Susan, Diego)
  - DWG-5 Geo-AI & Analytics (Zhongxin, Maria (optional), Andrea, #Cung)
  - DWG-6 OpenDroneMap & 3D (Stephen, Catalina, Davide, #Cung)
  - DWG-7 Smart Maps (Hidenori, Diego, #Timur)
6. AOB



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# DWG8: Open Source Implementation of the IGIF

Proposal

**Group Coordinator**

Ariel Anthieni

Horacio Castellaro



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# General Objective

Support the adoption and long-term use of Spatial Data Infrastructures (SDIs) in member countries by promoting open-source technology as a key tool to implement IGIF "Strategic Pathway 7: Technology and Infrastructure". The goal is to ensure interoperability, efficiency, sustainability, and fair access to geospatial information.



# Secondary Objectives

- Promote the use of open-source software as the main technology base for national and regional SDIs
- Develop clear technical and practical guidelines to build SDIs with open-source tools
- Encourage training and capacity building, working together with D WG-2 Capacity Building
- Collect and share success stories of SDI projects using open-source software
- Create simple metrics and evaluation tools to measure technology maturity and how well SDIs follow IGIF principles.



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# Expected Products

- Guides and Documents: A practical document explaining how to use open-source tools to support IGIF Strategic Pathway 7
- Case Studies Platform: A collection of case studies showing results, impact, and how they can be replicated (Github)



# Success Indicators for 2026

- **More member countries** using open-source software in their SDIs.
- Publication of at least **two technical guides** and a case study platform (GitHub).
- Active participation from at least **10 countries** in group workshops and meetings.



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# Join the DWG 8

Please send us an email to [ariel.anthieni@osgeo.org](mailto:ariel.anthieni@osgeo.org) with the subject line "join DWG8"





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# DWG7: Smart Maps Group

A group of One-Person Developers

Generative AI, Personal Web, CLI Tools

*DWG-internal innovations are ongoing!*

- A lecture on UN Open GIS Initiative in **JICA** Knowledge Co-creation Program on National Surveying and Mapping.
  - Launch of **niroku** (26 in Japanese), a new software package for UNVT Portable – A **Portable Web** server developed with **Generative AI**.
  - ``curl -fsSL https://unvt.github.io/niroku/install.sh | sudo -E bash -``
- **TRIDENT STAND-ALONE COMPLEX** development started.
  - Planet-scale OSM-based services + GenAI **in a Single Machine**.
- **JICA** Quick Mapping Project
  - Rapid open mapping in **Sierra Leone**, consulting w/ UN Mappers, HOT, OSM Sierra Leone, GeoThings, AERO TOYOTA and other partners.
- FOSS4G Auckland 2025
  - UN Vector Tile Toolkit by Koji.
  - UNVT Portable by Taichi.
  - UN Smart Maps Group, JICA Quick Mapping Project, CNDG (**Timor-Leste**) prototype of Portable Web map, and UN Open GIS Initiative by Hidenori.



- Telegram Group: UN Open GIS Community
- Join Link: <https://t.me/unopengis>

