



**SUSTAINABLE
DEVELOPMENT**  **GOALS**

TASK FORCE ON FIG AND THE SUSTAINABLE DEVELOPMENT GOALS

Pre AGM Conference
Institution of Surveyors of Uganda
1 April 2022

By Paula Dijkstra

SUSTAINABLE DEVELOPMENT GOALS




17 goals, 169 targets, 231 unique indicators

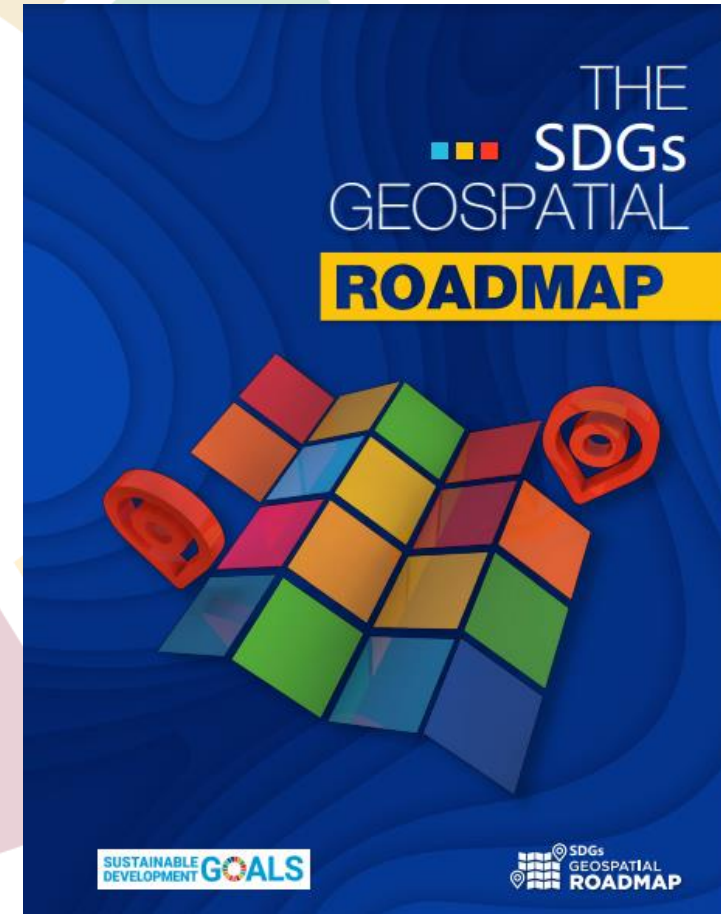
UN GGIM: Setting the global agenda for geospatial development

- 🌐 The SDGs are highly dependent on the understanding of geographic location, necessitating the inclusion and use of geospatial information, Earth observations and other forms of location-based data.
- 🌐 The SDGs are highly dependent on geospatial information and Earth observations (EO) as the primary data for relating people to their location and place, and to measure 'where' progress is, or is not being made, particularly at 'disaggregated' sub-national and local levels

Source: The SDGs Geospatial Road Map <https://ggim.un.org/documents/SDGs-Geospatial-Roadmap.pdf>

The SDG Geospatial Roadmap

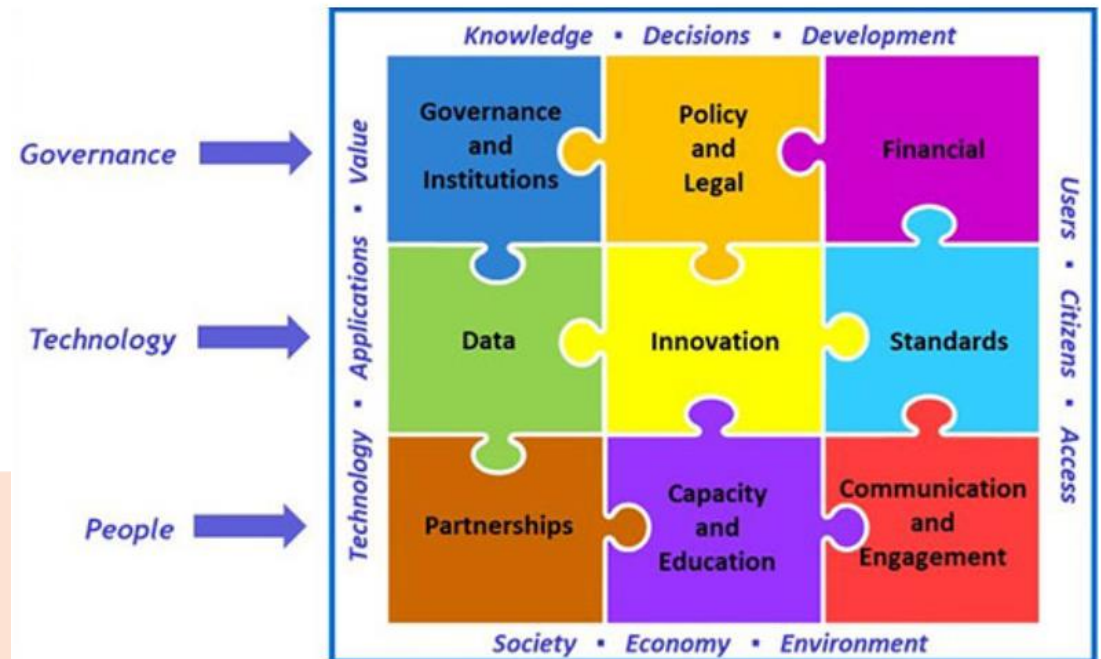
 The SDGs Geospatial Roadmap is a living resource that helps communicate, guide and enhance the awareness of geospatial information, Earth Observations, and related data sources, tools and methods, to inform and support the implementation, measurement and monitoring of the SDGs, according to national circumstances.



Source: The SDGs Geospatial Road Map <https://ggim.un.org/documents/SDGs-Geospatial-Roadmap.pdf>

Integrated Geospatial Information Framework (IGIF)

- IGIF provides a basis and guide for geospatial information management in all countries.
- It will assist countries in bridging the geospatial digital divide, secure socio-economic prosperity, and to leave no one behind.



Framework for Effective Land Administration

- FELA is a reference for developing, renewing, reforming, strengthening, modernizing, or monitoring land administration.
- and circumstances FELA is fully aligned with the IGIF as an overarching policy guide supporting the achievements of the SDGs.



Figure 3: Sustainable Development and Effective Land Administration

Source: https://ggim.un.org/meetings/GGIM-committee/10th-Session/documents/E-C.20-2020-29-Add_2-Framework-for-Effective-Land-Administration.pdf



Towards achieving SDGs: The Role of Surveyors

Task Force on FIG & the SDGs (2019 – 2022)

Responsibilities of FIG towards the Sustainable Development Goals (SDGs)



- 🌐 Raise awareness of the importance of the SDGs for FIG, the commissions and Member Associations
- 🌐 Provide leadership
- 🌐 Contribute to the achievement of the SDGs

Activities of the Task Force

- 
- 🌐 Workshops during annual FIG events and the Congress
 - 🌐 Technical workshops dedicated to the SDGs for each Commission
 - 🌐 Inform & Inspire FIG Community on SDGs on FIG website and FIG Communication channels
 - 🌐 Workplan for 2022 - 2030 to ensure effective and sustainable contribution of the FIG members and delegates



Raise awareness of the importance of
the SDGs for FIG, the commissions and
Member Associations

Identification of relevant SDGs for FIG and its Commissions

The overview is prepared by the Task Force on FIG and the SDGs together with the commission chairs, to identify the relevant SDGs for each FIG commission.

	Com. 1	Com. 2	Com. 3	Com. 4	Com. 5	Com. 6	Com. 7	Com. 8	Com. 9	Com. 10	YSN	ARP	APRN	Standards
1 NO POVERTY			i				i	i	i			i		i
2 ZERO HUNGER			i				i	i	i					i
3 GOOD HEALTH AND WELL-BEING			i											i
4 QUALITY EDUCATION		i	i									i		i
5 GENDER EQUALITY	i						i							i
6 CLEAN WATER AND SANITATION				i	i	i		i						i
7 AFFORDABLE AND CLEAN ENERGY					i	i								i
8 DECENT WORK AND ECONOMIC GROWTH			i									i		i
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE					i	i			i	i				i
10 REDUCED INEQUALITIES	i		i				i					i		i
11 SUSTAINABLE CITIES AND COMMUNITIES			i		i	i	i	i	i	i		i		i
12 RESPONSIBLE CONSUMPTION AND PRODUCTION														i
13 CLIMATE ACTION				i	i	i			i					i
14 LIFE BELOW WATER			i	i	i							i		i
15 LIFE ON LAND			i		i		i	i						i
16 PEACE, JUSTICE AND STRONG INSTITUTIONS	i						i					i		i
17 PARTNERSHIPS FOR THE GOALS			i						i					i



In cases where the FIG Commission can play a role in creating awareness and contribute to achieving the SDG's, this icon is present.



In cases where the FIG Commission can play a role in measuring the Indicator, this icon is present.

Inform & Inspire FIG Community on SDGs on FIG website and FIG Communication channels

- Within the FIG Community a lot is being achieved and developed in relation to the SDGs
- Role of FIG to give the FIG community access to the latest updates, relevant publications and information about the work of the FIG members and the FIG partners on the SDGs

Key articles on SDGs by FIG

SDG Article: Ten Years to go to Achieve the Sustainable Development Goals - Unlocking valuable contributions of the FIG Working Week 2020



The countdown begins, only one decade to go to accomplish the Sustainable Development Goals (SDGs). The SDGs are the blueprint to achieve a better and more sustainable future for all and surveying professionals have a key role to play. It is therefore of crucial importance that FIG member organisations and surveyors are aware and prepared on how their work contributes to the achievement of the SDGs and vice versa. The SDGs were appointed as one of the central themes during the FIG Working Week 2020. Many colleagues from the FIG community shared their experiences at practical and strategic level. In this article you read about how the FIG community is helping to achieve and monitor the SDGs and what the role of the surveying community will be in the coming 10 years. Aspects that were highlighted in the papers range from land rights for all, to women's access to land, sustainable land use, cities livelihood and strengthened partnerships. To read the full article, [click here](https://fig.net/fig2020/articles/FIG2020_sdg.htm).

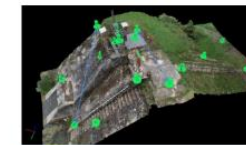
https://fig.net/fig2020/articles/FIG2020_sdg.htm

GIM
INTERNATIONAL

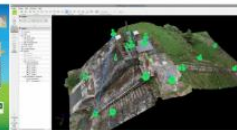
ARTICLE

REFLECTIONS BY THE FIG COMMISSION CHAIRS

Key Global and Technology Drivers Impacting Surveying



As the FIG commission chairs near the halfway point in their terms, they reflect on the global and technological drivers influencing their work. This article describes the breadth of work across the FIG commissions as well as the common areas. The discussion is also informed by global reports such as the UN-GIM's *Future Trends in Geospatial Information Management* and the RICS *Futures Report 2020*.



A major global driver for FIG is the '2030 Agenda for Sustainable Development' and the association is committed to supporting the UN member nations in meeting the 17 Sustainable Development Goals (SDGs) and 169 targets. Key global challenges include climate change, natural and other disasters, urbanization and food and water insecurity. Climate change increases the risk of natural disasters leading to displacement of people, environmental impacts and economic losses. It also impacts food and water security, making access to arable land and drinking water a global challenge. Mitigation and adaptation strategies are a key focus for spatial planning and development and cadastre and land management. Positioning and measurement as well as spatial information management play a role in improving data accuracy, data modelling and reporting against SDG 13 (Climate action), SDG 14 (Life below water) and SDG 15 (Life on land).



and water security, making access to arable land and drinking water a global challenge. Mitigation and adaptation strategies are a key focus for spatial planning and development and cadastre and land management. Positioning and measurement as well as spatial information management play a role in improving data accuracy, data modelling and reporting against SDG 13 (Climate action), SDG 14 (Life below water) and SDG 15 (Life on land).

<https://www.gim-international.com/content/article/key-global-and-technology-drivers-impacting-surveying>

FIG and the Sustainable Development Goals – Commission 9

February, 2022

FIG Task Force on FIG and the Sustainable Development Goals together with the ten Commissions have worked on their role on the sustainable development goals relevant for their Commission.

Commission Chair Elect Peter Ache gives his Statement on the sustainable development goals in relation to Commission 9 – Valuation and the Management of Real Estate



1 NO POVERTY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES

FIG and the sustainable Development Goals – Commission 6

March 2022

FIG Task Force on FIG and the Sustainable Development Goals together with the ten Commissions have worked on their role on the sustainable development goals relevant for their Commission.

Commission Chair Maria Joaoh Henriques gives her Statement on the sustainable development goals in relation to Commission 6 – Engineering Surveys



6 CLEAN WATER AND SANITATION

7 AFFORDABLE AND CLEAN ENERGY

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

11 SUSTAINABLE CITIES AND COMMUNITIES

13 CLIMATE ACTION

FIG and the Sustainable Development Goals – Commission 2

January, 2022

FIG Task Force on FIG and the Sustainable Development Goals together with the ten Commissions have worked on their role on the sustainable development goals relevant for their Commission.

Commission Chair David Mitchell gives his Statement on the sustainable development goals in relation to Commission 2 – Professional Education



4 QUALITY EDUCATION

Reflections on the role of the surveyor towards the SDGs

'Virtual publication' on FIG Website

- Relevance of the SDGs for the FIG community
- How the SDGs and the work of commissions are connected
- Overview of papers and contributions during FIG events.
- Overview of relevant partners and stakeholders, specifically on the SDGs
- Links to relevant publications from FIG members

FIG Task Force on FIG and SDGs



The Sustainable Development Goals (SDGs) and related land indicators will re-shape and influence our profession profoundly in the decade to come. It is of crucial importance that FIG member organisations and surveyors are aware and prepared on how their (daily) work contributes to the achievement of the SDGs and vice versa. What will be your role for the coming 10 years and how can you make the world a better place with your skills?

General
Africa Task Force
Developing Global Land Tools for Pro Poor Land Management
FIG and the Sustainable Development Goals
Institutional and Organisational Development
Mutual Recognitions of Qualifications

 <https://fig.net/organisation/tf/sdg/index.asp>

Uganda & SDGs

- Which SDG is most relevant for you as a person / professional?
- How is your organisation contributing to the achievement of the SDGs?
- Is there a country action plan for Uganda to advance / enhance geospatial information management?



Source: <https://uganda.un.org/en/95222-abridged-version-uganda-un-sustainable-development-cooperation-framework-2021-2025>

SUSTAINABLE DEVELOPMENT GOALS



Paula Dijkstra

Chair Task Force – FIG and the Sustainable Development Goals

paula.dijkstra@kadaster.nl