



FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

*Protecting
Our World,
Conquering
New Frontiers*

FIG Climate Compass Task Force

General Assembly, Sunday, May 28

Roshni Sharma & Clarissa Augustinus
Task Force Co-Chairs



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Climate's relevance to FIG

- The climate crisis represents the single greatest challenge humankind faces to ensure our planet remains sustainable and our people remain resilient. This theme underpins the FIG Council's vision of sustainability over the term 23-26.
- The expertise of FIG Members means they are well-positioned to make a major contribution to addressing a wide range of land and water related climate change issues.
- Over 20 sessions relating to climate at this Working Week 2023.

The role of surveyors in the climate agenda

1. Sea level rise
2. Carbon loss through land use change
3. Biodiversity loss
4. Desertification
5. Natural disasters and 'building back better'
6. Degradation of wetlands, rivers, lakes, peatlands
7. Break down in earth's global systems;
8. Measurement of complex earth systems
9. Tenure security
10. Land and water governance
11. Waste disposal

Climate challenge	Land & water related action required	Role of surveyors
Land use change (deforestation; urban sprawl into agricultural areas; cropland expansion into natural & semi-natural areas, development in flood prone areas)	Develop compact cities; Re-directing urban development away from agricultural areas & key water bodies; Protecting forest & protected area boundaries; Resilience through sustainable land management; Prevention of cropland expansion into natural & semi-natural areas;	Land use planning; cadastral surveying and boundary demarcation, infrastructure development, Indigenous tenures; land consolidation and readjustment; geospatial data collection, analysis & management for strategic planning & risk management, including the provision of digital twins; valuation for insurance, compensation and property market.

FIG Climate Compass Task Force Outcomes

Outcome 1: Support surveyors by increasing awareness and capacity about their roles and impact relevant to climate change

Outcome 2: Support surveyors in the identification of areas in which surveyors have the professional expertise to contribute to actions and studies that the global climate action agenda needs.

Intentions of the Climate Compass Task Force

- Assess who has the knowledge about the role of surveyors in addressing the climate crisis, now and into the future
- Harvest existing knowledge within FIG
- Update and build new knowledge in this fast-moving area of work, and
- identify ways forward and undertake a gap analysis.



Intentions of the Climate Compass Task Force

- Raise the surveying profession's **awareness** of climate change and **build capacity** to enable surveyors to address these issues
- **Build on** what FIG has already developed regarding land, water and climate change
- **Identify** this knowledge and create ways to harvest it to create an evolutionary approach which builds knowledge and capacity over time
- Deliver a **communications strategy**, led by young surveyors

The purpose and impact of the Climate Compass TF

- Elevate the work that has already been done and is continuing to be done by the FIG Commissions, Working Groups, Networks, Task Forces and other groups globally
- Undertake key outreach, capacity development, awareness raising and harvesting knowledge, to be able to strengthen the surveying profession's ability to act on global climatic challenges.



FIG Climate Compass Co-Chairs



Roshni Sharma
Young Surveyor from Australia



Clarissa Augustinus
Seasoned Surveyor from Ireland

FIG Climate Compass Core Team Members

Name	FIG Region	Gender
Roshni Sharma	Asia & Pacific	F
Clarissa Augustinus	Europe	F
Angela Anyakora	Africa	F
David Elegbede	Africa	M
Dr Kwabena Asiana	Africa	M
Naa Dedei Tagoe	Africa	F
Simon Ironside	Asia & Pacific	M

Name	FIG Region	Gender
Cromwell Manaloto	Europe	M
Cemal Özgür Kivilcim	Europe	M
Ferah Pirlanta Köksal	Europe	F
Gordana Jakovljevic	Europe	F
Enrico Rispoli	Europe	M
Rigoberto Moreno	South America	M

FIG Climate Compass Task Force Governance

The Surveying Profession's Global Response to Tackling the Climate Agenda



FIG Climate Compass TF Communications Strategy

Communications messaging will be focused on:

- Raising awareness of opportunities that exists for surveyors everywhere to play a role in addressing the climate crisis
- Showcasing opportunities for engagement for surveyors, no matter their age, geography or discipline, in being able to engage with the work of this TF in small and large ways
- Spreading the message of the work of this TF to further awareness and further the opportunity for engagement

FIG Climate Compass TF Communications Strategy

Engaging globally through many platforms:

- Special technical sessions held at Working Weeks 2023-2026
- *'Conversations and Consultations'* interactive webinar series
- Thematic Seminars (Land, Water, Air)
- FIG website page and newsletter, regular email and social media updates



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Year 1	Terms of Reference and task force membership confirmed by the FIG Council	WW23 Orlando
	Task Force holds a special technical session for presentations, discussion, coordination, and work planning (hybrid)	WW23 Orlando
	Task Force Committee develops Four-year Work Plan and Year 1 Work Plan	Q2
	Task Force establish 'Conversations and Consultations' webinar series (virtual)	Q2
	Climate theme seminar: Land (virtual)	Q4
Year 2	Task Force holds special technical session for awareness raising capacity development, knowledge harvesting (hybrid)	WW24 Ghana
	Task Force establishes structure for final report	Q2
	Task Force continues 'Conversations and Consultations' webinar series (virtual)	Ongoing
	Climate theme seminar: Water (virtual)	Q4
Year 3	Task Force holds special technical session for awareness raising capacity development, knowledge harvesting (hybrid)	WW25 Brisbane
	Task Force continues 'Conversations and Consultations' webinar series (virtual)	Ongoing
	Climate theme seminar: Air (virtual)	Q3
Year 4	Task Force has final meeting and presents final report (hybrid)	WW26 Cape Town

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FIG Climate Compass Task Force Mission

1. Harvest existing knowledge within FIG,
2. Update and build new knowledge in this fast-moving area of work,
3. Share knowledge across FIG networks, and
4. Identify ways forward and undertake a gap analysis.