



FIG WORKING WEEK 2023

28 May - 1 June 2023 Orlando Florida USA

Protecting
Our World,
Conquering
New Frontiers

TS01E: Reimagining the Climate Action Agenda for the Global Surveyor Community Through FIG's Climate Compass TF

Mo 29 May 11:30–13:00 | Hamilton/Indian River

Clarissa Augustinus & Roshni Sharma



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Agenda

Item	Facilitator
Welcome	Clarissa Augustinus
Why climate?	Segretario Enrico Rispoli
Opening remarks	Diane Dumashie, FIG President
Presentation of the Task Force and its Communication Strategy	Roshni Sharma
Panel discussion on key climate-related surveying issues	Panellists: <ul style="list-style-type: none"> • Simon Ironside, New Zealand • David Elegbede, Nigeria (YSN) • Ronald Ssengendo (Uganda), SDG TF
Discussion	Roshni Sharma
Moving Forward	Roshni Sharma and Clarissa Augustinus

Who's in the room today?



GO TO
menti.com

ENTER THE CODE
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Why climate?

Segretario Enrico Rispoli, Italy



Opening remarks

FIG President Diane Dumashie



The Climate Compass Task Force and its Communication Strategy

TF Co-Chair Roshni Sharma



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 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, 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 Task Force Governance

The Surveying Profession's Global Response to
climate change



<http://bit.ly/FIG-CC-TF>



FIG Climate Compass Co-Chairs



Roshni Sharma
Australia



Clarissa Augustinus
Kenya / 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 TF Communications Strategy

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.

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:

- Workshop during FIG Working Week 2023 in Orlando
- FIG website page and Newsletter
- Special technical sessions held at Working Weeks 2023-2026 (hybrid) (see Work Plan)
- '*Conversations and Consultations*' webinar series (held at least twice a year virtually)
- Thematic Seminars (held at least once a year explore climatic themes, virtual or hybrid)
- Email
- Social media

Discussion on key climate-related surveying issues



Simon Ironside
New Zealand



David Elegbede
Nigeria (YSN)



Ronald Ssendendo
Uganda, SDG TF



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FIG Climate Compass Task Force

Reimagining the Climate Action Agenda for the Global
Surveying Community

SIMON IRONSIDE (New Zealand)

FIG CLIMATE COMPASS TASK FORCE

Co-Chair FIG WORKING GROUP 4.3 – MAPPING THE PLASTIC
a joint Commission 4 (Hydrography) and Young Surveyors Network
initiative



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Some climate change facts...

- The long term shifts in temperatures and weather patterns
- Occurs naturally – large volcanic eruptions or changes in the sun’s activities
- Humans are responsible for virtually all global heating over the last 200 years
- Since the 1800’s the main driver for climate change has been the burning of fossil fuels
- The resulting greenhouse gas emissions ‘blanket’ the Earth, trapping the sun’s heat and raising temperatures
- Carbon dioxide and methane are the main greenhouse gases causing climate change

<https://www.un.org/en/climatechange/what-is-climate-change>

The effects of global warming are not good...

- The Earth's temperature is 1.1°C warmer than before the industrial revolution
- It is warmer now than at any time in the last 100,000 years
- The decade 2011 – 2020 was the warmest on record
- The consequences of climate change include (among others) drought, water scarcity, fire, rising sea levels, flooding, melting polar ice, catastrophic storms and declining biodiversity
- It affects our health, ability to grow food, housing, safety and work.
- People in SIDS and developing countries are already vulnerable to climate impacts

<https://www.un.org/en/climatechange/what-is-climate-change>

The choice for the global surveying community is clear...

- **Climate change is here**
- **We need to adapt and mitigate the effects now to protect ourselves and our communities**
- **Societies need to become more resilient to climate impacts**
- **Large scale efforts to be led by governments - \$300 billion needed every year from 2030 (for 2nd and 3rd world countries)**
- **Adaptation, mitigation and resilience building will need surveyor involvement**
- **We can, and should, be at the forefront of the global response to climate change.**

<https://www.un.org/en/climatechange/climate-adaptation>

The oceans are the biggest ally against climate change...

- The oceans generate 50% of the oxygen we need, absorbs 25% of all carbon dioxide emissions and captures 90% of the excess heat generated by these emissions
- The oceans are central to reducing global greenhouse gas emissions and stabilizing the Earth's climate.
- However, increasing greenhouse gas emissions are affecting the health of the oceans
- Safeguarding the oceans is key to attaining climate 'normality'
- The battle against the plastic pollution of our oceans is also the battle for the Earth's climate



**By 2050 WWF estimates there will be more plastic in the ocean than fish,
by weight**

What can we do?

- Headlines like these represent opportunities for our profession...

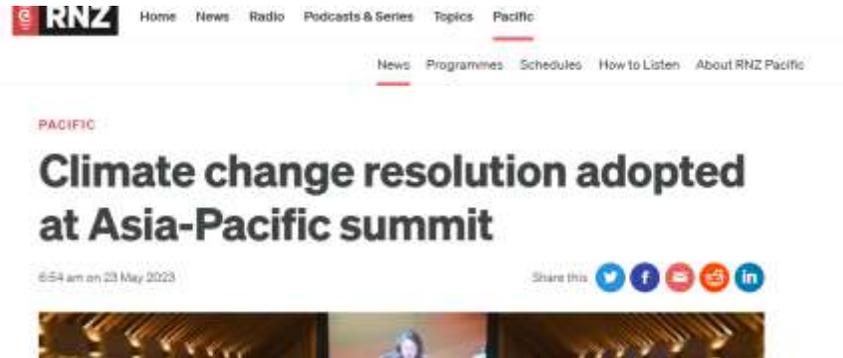




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Moving Forward Together

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