



FIG Working Week 2024

19-24 May

Accra, Ghana

Your World, Our World:
Resilient Environment
and Sustainable
Resource Management
for All

TS12F: Climate Resilience Actions for the Future

Surveyors can address the challenges presented by climate change by using different approaches for a range of situations. Innovative approaches include: integrating surveying and climate data from earth observation to ground surveys, using spatial data for measuring carbon, wildlife, mangrove forests, watershed rehabilitation, forest fires, and community impacts.



Commission: FIG Climate Compass Task Force

Chair: Dr. Kwabena Asiamah, Chair, FIG Commission 8, Ghana

Rapporteur: Ms. Roshni Sharma, Australia

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Welcome and housekeeping

- Please ensure your mobile phones are on silent or switched off
- We encourage participatory audience engagement, so in our panel session please do raise your hand to ask a question of our technical experts
- You'll notice that we have post-it notes and four key questions spread around the room - we hope to gather insights on these not just from speakers, but from you as our audience too. We encourage you to wander over to these while listening to speakers and share your thoughts and ideas on these.





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Agenda

- Welcome and opening remarks
- Presentation of four paper presentations
- Panel discussion (during which we welcome your questions)
- Closing remarks





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Opening remarks

- Climate change is posing increasing challenges, also in our own countries
- Surveyors hold tools & knowledge for climate action at various scales
- Surveyors play key roles in climate adaptation through accurate mapping, risk assessment, land management & development & sustainable land use planning
- Surveyors face challenges in implementing climate resilience - data accuracy, technological limitations, policy constraints, challenges to productive collaborations
- There are many opportunities for convergence & innovation - some of which we will explore through our presentations today, including technological advancements, capacity building & knowledge sharing





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Paper Presentation 1: 12784

Live Water Demand Management Using Geospatial Dashboards and GNSS-Enabled Smartphones

Enoch Mensah, Michael Nyoagbe, David Nunoo and Francisca Ameley Armah (Ghana)





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Paper Presentation 2: 12491

Forest Fires and Climate Change – the Italian Law 353/00 to address economical speculation, portal security, data analysis

Daniele Brancato and Cromwell Manaloto (Italy)





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Paper Presentation 3: 12613

Application of Land Administration in Securing Wildlife Migratory Routes in Kenya: Challenges and Prospects

Joycelyn Makena Kaaria (Kenya)





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Paper Presentation 4: 12375

Trend Analysis of Remotely Sensed Greeneries and Greenhouse Gases Data for Enugu Metropolis

Victor Nnam and Olayemi Odumosu (Nigeria)





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Panel discussion: Climate resilience actions for the future

Ogochukwu Uju Izuegbu and Usman.S Lay (Nigeria):

Flood Vulnerability Mapping of Ogbaru Local Government Area, Anambra State, Nigeria

Florian Lebourdais (France):

The Role of the Surveyor in Disaster Management What Is Disaster Management?

Understanding Risks, from Prevention to Mitigation and Reconstruction

Daniel Owusu-Ansah and Sakina Ayiku Kanor (Ghana):

The Youthmappers' Impact on Building a Resilient Environment





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Closing remarks

Thank you to all of our presenters and panelists today:

- Enoch Mensah, Michael Nyoagbe, David Nunoo and Francisca Ameley Armah (Ghana)
- Daniele Brancato and Cromwell Manaloto (Italy)
- Joycelyn Makena Kaaria (Kenya)
- Victor Nnam and Olayemi Odumosu (Nigeria)
- Ogochukwu Uju Izuegbu and Usman.S Lay (Nigeria)
- Florian Lebourdais (France)
- Daniel Owusu-Ansah and Sakina Ayiku Kanor (Ghana)



Further Reading:

Adamu Bala (China, PR), Ademola Fidelix Fasuba, Umar Barde (Nigeria) and Saied Pirasteh (China, PR): Urbanization Effects on Land Surface Temperature in Soba Local Government Area, Kaduna State, Nigeria: A Spatio-Temporal Analysis





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SUSTAINABLE DEVELOPMENT GOALS

International Federation of Surveyors supports the Sustainable Development Goals

FIG Climate Compass Task Force

Collaboration, convergence and community for climate in land, water and marine surveying

Serving Society for the Benefit of People and Planet



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