



Dr Diane A Dumashie, FRICS FIG President

People, Planet & Partnership Working Tackling the Global Challenges

IHO -Nippon Foundation
3rd Alumni Seminar 2023

London, UK 25th October 2023

President Diane Dumashie, IHO-NF Oct 2023



1

People, Planet and Partnerships:



71% water

29% land

2

Our Profession: Serving People and Planet



It is all about People!

- **The 2030 Agenda:** agreed and united global policy to transform the social, economic and environmental dimensions of humanity and our planet
- **Context of considerable global challenges**
 - **Why Partnerships matter**

President Diane Dumashie, IHO-NF Oct 2023



3

Overview



1. FIG: Who, What, How and Why
2. Shaping the Future: How
3. Partnerships: What and Who
4. Final Words

President Diane Dumashie, IHO-NF Oct 2023



4

Overview



1. FIG: Who, What, How and Why

2. Shaping the Future: How

3. Partnerships: What and Who

4. Final Words

President Diane Dumashie, IHO-NF Oct 2023



5

1. Who and What: International Federation of Surveyors



FIG:

- Members organisation 100+ countries (RICS/Japan/Italy)
- FIG Contribution: knowledge generation, outreach and capacity building
 - **Professional: Standards**
 - **Institutional: Build capacity**
 - **Global Development: Regional/ International**

President Diane Dumashie, IHO-NF Oct 2023



6



How: Depth of experience

Activity and outputs with Commissions:

1. Professional **standards & practice**
 2. Professional Education
 3. Spatial information management
 4. **Hydrography**
 5. **Positioning and measurement**
 6. Engineering surveys
 7. Land management & cadastre
 8. Spatial planning and economic development
 9. Valuation and real estate
 10. Construction economics
-and, FIG Networks



President Diane Dumashie, IHO-NF Oct 2023



7

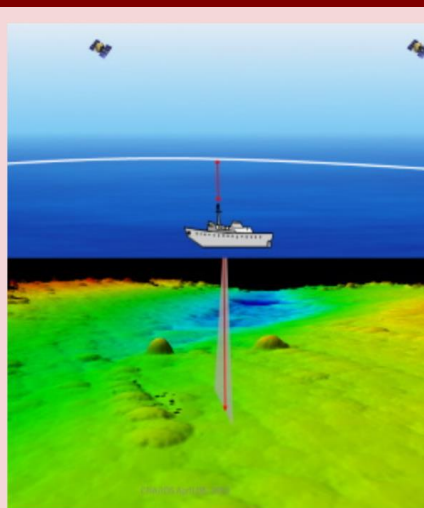
FIG Hydrography 2023- 2026

What we do

Rectangular Snip

For the term 2023-2026 FIG Commission 4 will be working on:

- WG4.1 **Hydrographic Standards and Guidelines.**
- WG4.2 **Sustainable Oceans and Hydrography.**
- WG4.3 **Mapping the Plastic.**
- WG4.4 **Hydrospatial Domain and Marine Administration.**
- WG4.5 **Climate Change induced Sea Level Rise and Adaptation.**



President Diane Dumashie, IHO-NF Oct 2023



8

Tackling the global challenges



President Diane Dumashie, IHO-NF Oct 2023

9

Trends and FIG theme Tackling the Global Challenges

LYNDA GRATTON
THE SH/FT
The future
of work is
already
here
Have you made the crucial shifts for success?

Prof Gratton:
www.lyndagrutton.com

Five Forces/ Trends:

- **Climate action** and the needs of a low carbon economy / also Energy and resources
- Rapid advances in **Technology and digital revolution**
- **Globalisation and communication**
- **(Settlements and (Rapid) urbanisation)**

Society's needs (and benefits):

- Transformational **societal** changes and expectations
- Profound changes in longevity and **demography**

President Diane Dumashie, IHO-NF Oct 2023

10

The Next Decade: Act on the Trends

The SDGs
were the crowning
global achievement of 2015 and 2030 is close;
but survey professionals deal in global and local
realities.

Are we still relevant?

Yes, with **Purposeful** and **Continuing intent**; so.....

President Diane Dumashie, IHO-NF Oct 2023



11

Overview



1. FIG: Who What Why and How

2. **Shaping the Future: How**

3. Partnerships: What and Who

4. Final Words

President Diane Dumashie, IHO-NF Oct 2023



12

2. The Future to shape



UN Habitat Agenda 2030

Sustainable & holistic development:

- People
- Partnership
- Peace
- Planet
- Prosperity

What does a Purposeful and relevant Survey profession look like... how we operate

President Diane Dumashie, IHO-NF Oct 2023



13



How: The Future We want to shape



Graphic: UN HABITAT

FIG work plan aims to deliver and Demonstrate our resolve

Vision:

- Serving Society, benefitting people and the planet

Theme:

- Tackling the Global Challenges (Trends and crisis)
- Continue to develop capacity and grow to ensure we remain relevant and capable of benefiting people and the planet

President Diane Dumashie, IHO-NF Oct 2023



14

Work Plan Aims and Pillars



FIG Aims:


- Planet, People, Partnership &
- Governance and Communication

Sustainability runs throughout our work

- 3 Sustainability Task Forces as Pillars these unpack FIG aims (above)
i.e Relevance & Societal benefit
- FIG Commissions and FIG community working together achieves our Theme

Above all,

FIG works with intent, in Partnership

President Diane Dumashie, IHO-NF Oct 2023 

15

Pillar i: Planet



Sustainability aim is making sure:

- We make the best use of land and marine resources, and
- Our cities and settlements are resilient and adaptive
- Play a more prominent role in the climate agenda



TF: 2030 Agenda & SDG's,

Chair: Paula Dijkstra

TF: Climate Compass,

Co Chairs: Roshni Sharma & Clarissa Augustinus

President Diane Dumashie, IHO-NF Oct 2023 

16

Pillar ii: People



Sustainability is about making sure

- we demonstrate Equality, Diversity & Inclusion, leaving no one (generation) behind in our profession.....
- Contribution professional and institutional training and development
- Professional skills and standards

TF: Diversity & inclusion in the Profession,

Chair: Stephen Djaba

TF: Role in Trends and Geospatial Information

Ecosystems Chair: Abbas Rajabfard

President Diane Dumashie, IHO-NF Oct 2023



17

Pillar iii: Partnerships



Sustainability is about making sure that both internal and external partnerships are working effectively and cultivating stronger engagement



Our collaborative relationships;

- Effective (All) member engagement
- Building and working for capacity building with external partners, and
- Providing Institutional capacity development

And, **collaboration with broader community actors in our space of land, marine and built environment.....**

President Diane Dumashie, IHO-NF Oct 2023



18



The Blue surveyor skills cuts across all our members expertise and competencies

- Land & Hydrographic Surveying
- Mapping and positioning
- Geographic Information Science (marine/land)
- Land law, Administration & Reform
- Dispute resolution & Expert witness
- Cartography
- Project management
- Ocean bed & resource surveys
- Global & Local Navigation systems
- Engineering Survey
- Cadaster & Land Registration
- Photogrammetry & Remote sensing
- Private, regional & International boundaries Determination (EEZ)
- Research & Consultancy
- Monitoring Structures
- Land, Coastal & Marine Information management

President Diane Dumashie, IHO-NF Oct 2023



19

Overview



1. FIG: Who, What, How and Why

2. Shaping the Future: How

3. Partnerships: What and Who

4. Final Words

President Diane Dumashie, IHO-NF Oct 2023



20

The Power of Partnerships



- i. **Connected:** land and marine professionals
- ii. **Communicate:** Generational diversity
- iii. **Collaborate & Create:** Knowledge
- iv. **Contribute:** International policy, and
- v. **Connected:** FIG & IHO partnership working.....

President Diane Dumashie, IHO-NF Oct 2023



21

(i) Connecting Professionals: The Future of work is here



Diversity: Profound changes in longevity and demography

Critical questions (TF):

- Four generations in the work place; Gen BB, X Y, Z and next. Their work beliefs.
- Sustainability priority, the race for talent, so
- Resilience in all professions:
Attracting (young) Retaining (All)
- Skills competencies :
 - Skills Specialist V People soft skills
- Standards, International and national



President Diane Dumashie, IHO-NF Oct 2023



22

(ii) Communication: Across the Generations

- **Younger generations:** digital **quick and do promote** new approaches in our outputs.
- **Recognising Four generations beginning to be reflected** the workplace, consequently need ***Greater inter-generational understanding***
- **Attracting young talent** our profession has to remain relevant and attractive to future generations.

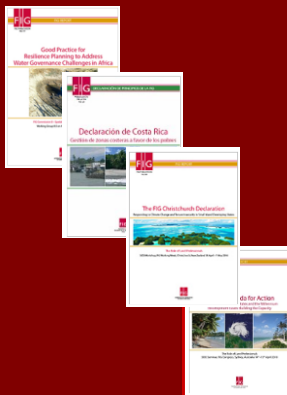


President Diane Dumashie, IHO-NF Oct 2023



23

(iii) Create and Collaborate- Knowledge



- **Tackling**, greatest challenges of our time often starts with water: ocean and terrestrial
- **Network**, requires hydrographers, geodesists & other spatial domain experts
- **Knowledge partners:**
 - FIG/ IHO/ ICA International Board (IBSC)
 - FIG range of publications e.g SIDS, spatial planning etc
- **And,**
 - global geodetic reference frames and coordinate reference systems.....

President Diane Dumashie, IHO-NF Oct 2023



24

(iv) Contribute



UN GGIM

- FIG Observer status, and
- Geospatial Societies (GS) includes Cartographers (ICA)
- Working Groups (LAM, Geodesy, DM + Hydro)
- Regional working (Africa, Asia Pacific & Americas)

And.....

- Partner UN GGIM Subcommittee on Geodesy

(vi) Contribute

- FIG Mandate: - Joint activities with sister organisations and common policy-making to reduce poverty and facilitate sustainable development

Importantly, the land and water agenda is seeing

- A significant **change in attitudes** toward land with the rise of human rights law and the proposals in the SDG's
- Examples in UN GGIM, FFP & NUA.....



(v) Connected Partnerships: FIG & IHO Strengthen the skill base



It is incumbent on us to

- Articulate the issues to those outside of their usual sphere (policy makers, industry etc),
 - Facilitate public- political consensus, and
 - ***Build partnerships with fellow sector professionals***
- We can strengthen the partnership between Hydrographers, Geodesists and other spatial domain experts to lead and influence through
 - good survey practices, (standards)
 - data governance incl marine geospatial data
 - A more diverse and inclusive demographic
 - And, active cooperation and collaboration

President Diane Dumashie, IHO-NF Oct 2023



27

Overview



1. FIG: Who, What, How and Why

2. Shaping the Future: How

3. Partnerships: What and Who

4. Final Words

President Diane Dumashie, IHO-NF Oct 2023



28

4. Tackling the Global Challenges



It is all about People!

Relevance requires a **Purposeful** and continuing intent to implement:

- Looking to societal contributions
 - Looking to our people and profession
- Can only be done in **Partnerships**.....

President Diane Dumashie, IHO-NF Oct 2023



29

Serving People and Planet 2030 and Beyond



Tackling the Global Challenges

- Faced with the magnitude of change in our World, on our Planet:
- We can strengthen our partnership
- We do the very best we can over the coming decades



Our professional relevance to society, is in our collective, partnership hands

President Diane Dumashie, IHO-NF Oct 2023



30

FIG Working Weeks; Pillars & Partners Build on Sustainability






- 2023 Orlando – Climate
 - Protecting our world Conquering New Frontiers
- 2024 Accra – Planet & Resources
 - Building resilient environment (land & sea)
- 2025 Brisbane – Geospatial/ People
 - Collaboration, Innovation and Resilience: Championing a Digital Generation

And....,

- Congress - 2026 Cape Town

Previous: Malaysia, Nigeria, Uruguay, Vietnam, Poland

President Diane Dumashie, IHO-NF Oct 2023 

31

Our Journey is far reaching!



The diagram shows a circular arrangement of five Sustainable Development Goals (SDGs) around a central white triangle labeled 'Sustainable Development'. The goals are: PEOPLE (End poverty and hunger in all forms and ensure dignity and equality), PLANET (Protect our planet's natural resources and climate for future generations), PROSPERITY (Ensure prosperous and fulfilling lives in harmony with nature), PARTNERSHIP (Implement the agenda through a solid global partnership), and PEACE (Foster peaceful, just and inclusive societies).

President Diane Dumashie, IHO-NF Oct 2023 

32

Thank You

- www.fig.net
- President
- FIG: Dr D Dumashie
– Ddd.president@outlook.com

