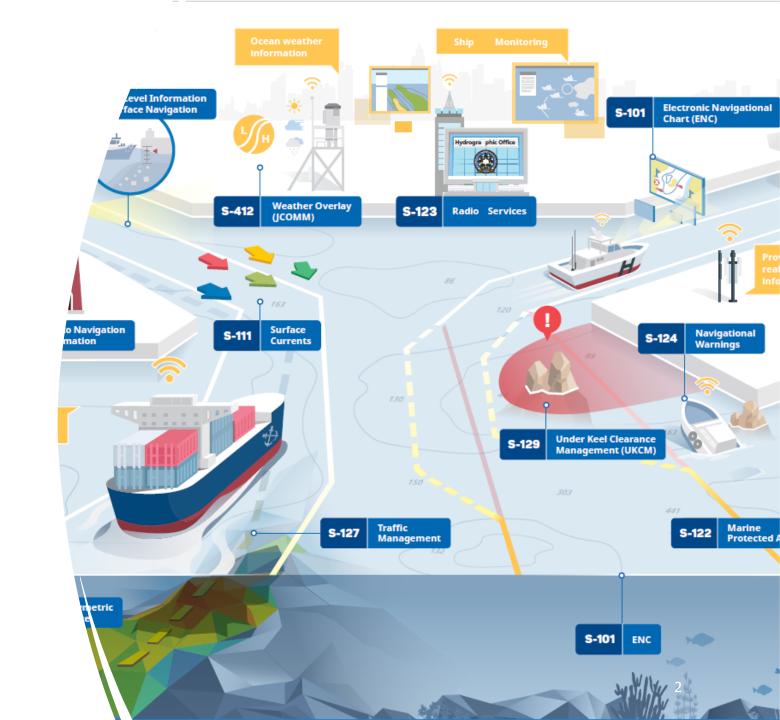


Drivers For Change

- Next Generation Navigation Products – S1xx
- Decline in use of paper
- Increasingly sophisticated use of marine data – digital twins and autonomy





















Key DITTO Takeaways

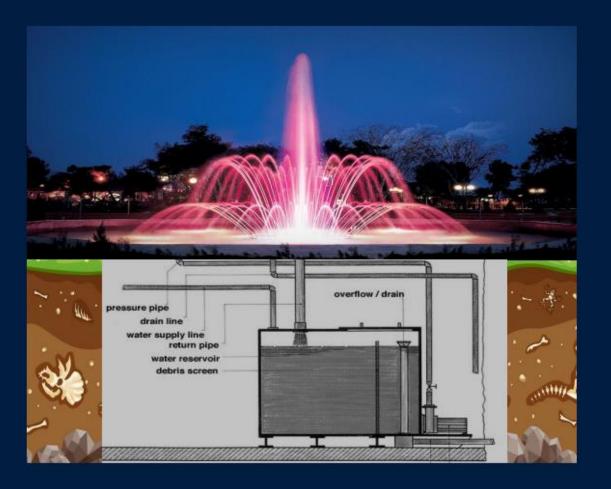
Importance of data sharing and interoperability (Q-FAIR)

Hydrographic Data is going to be a key foundation, currently very oceanographic in focus and participation.

Diversity of participants

What is a Digital Twin?

The sparkly fountain



Presented by Terry McConnell Fugro DITTO22

Digital Twins:

Are the visible part of a complex digital data eco-system

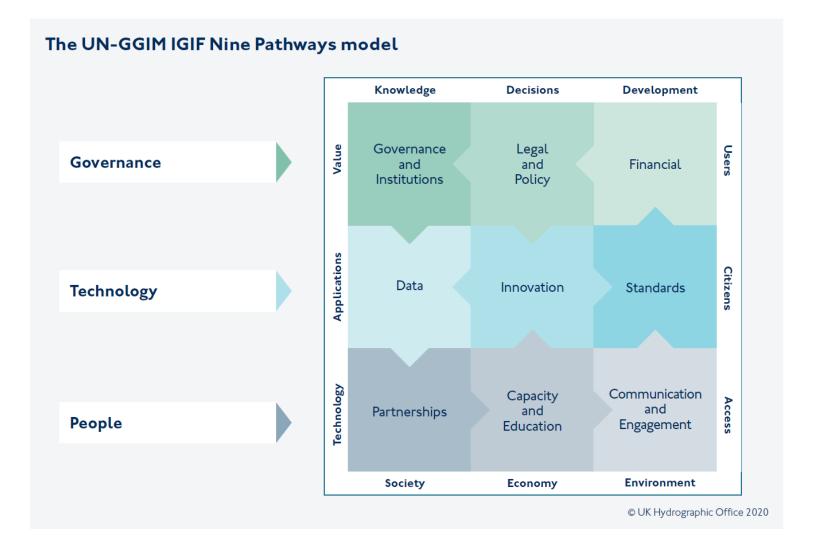
Are empowered by that digital data eco-system

and

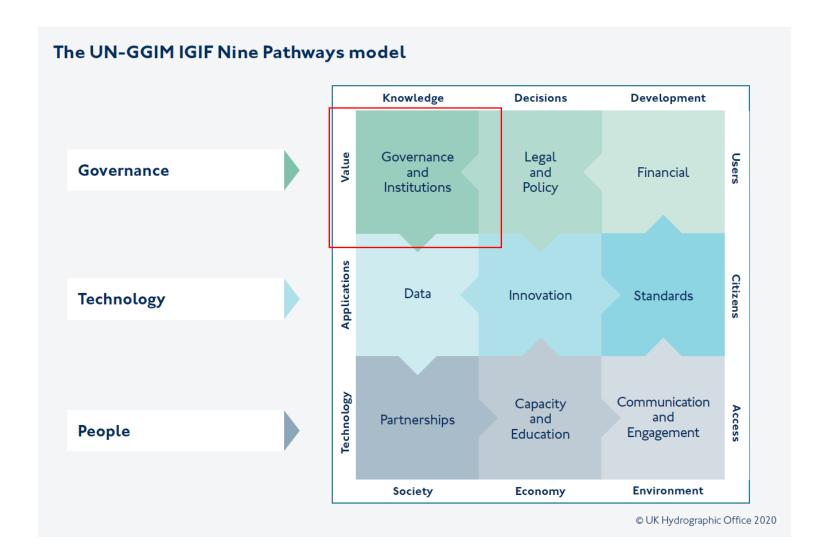
Dictate the design of the digital data eco-system.



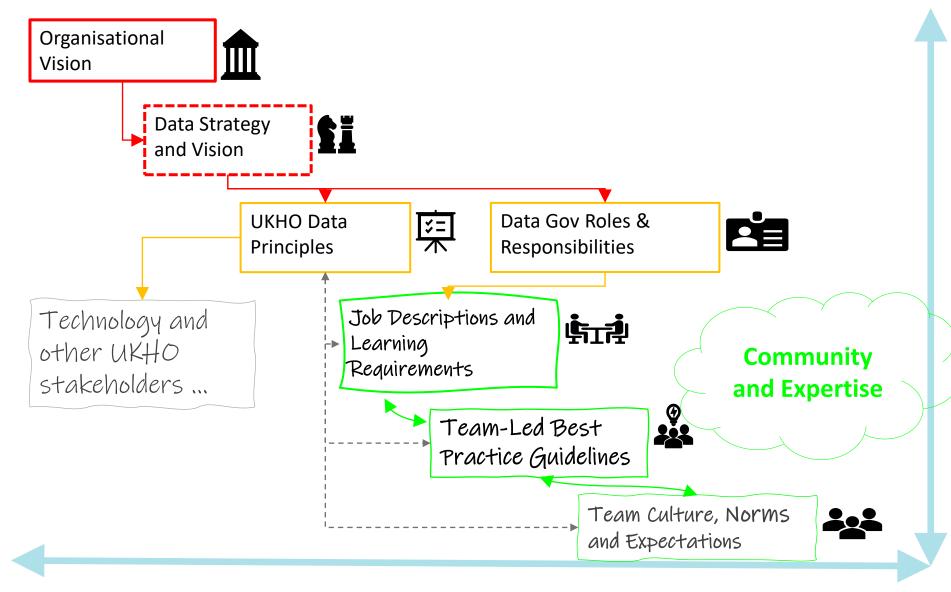
The Integrated Geospatial Information Framework



The Integrated Geospatial Information Framework



Best Practice in its wider Context



Specific focus: *More* dependent on the technical domain and human landscape

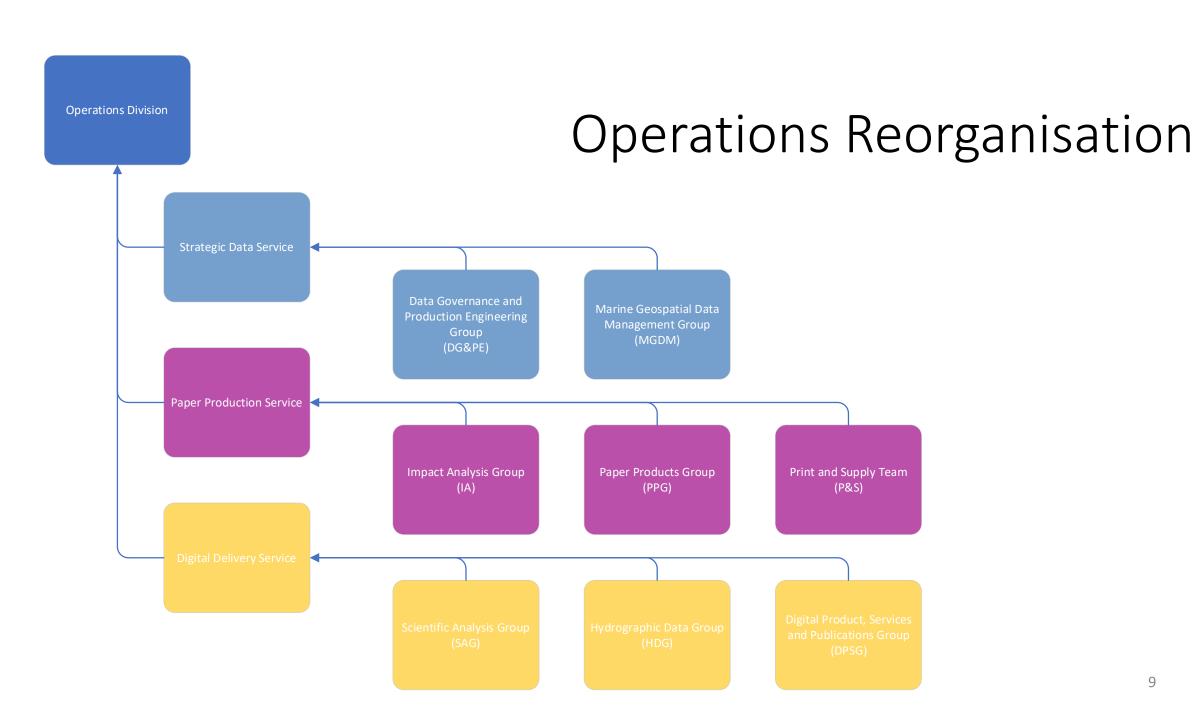
Hard Governance

- ✓ Hierarchy based
- ✓ Long-term policy
- ✓ Broad application
- Strict stipulations
- Requirements led
- Compliance driven
- ➤ (Legal) risk reduction

Soft Governance

- ✓ Community derived
- ✓ Reactive & adaptive
- ✓ Narrow(er) scope
- Can be interpreted
- Led by practicalities
- Behaviour driven
- Collective outcomes

Broad focus: *Relatively* agnostic of data (*services*), people and platforms



Strategic Data Service

Deputy Chief Data Officer

Strategic Data Service

Data Governance and Production Engineering Group (DG&PE) Data Governance
Technical Training
Change Delivery
Standards

Marine Geospatial Data Management Group (MGDM) Data Stewards
Data Improvement
Data Migration

Current Activity

- Data Strategy
- Definition of Data Stewardship
- Data Improvement to support S1xx
- Standards Development
- Data Quality Plan
- Embedding Data Governance
- Continued support to business as usual
- OGC FMSDI Projects

