

From Global to Local Opportunities

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

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WMO OMM

World Meteorological Organization
Organisation météorologique mondiale

THE OCEAN, OUR CLIMATE AND WEATHER

WORLD METEOROLOGICAL DAY

23 MARCH 2021



WORLD
METEOROLOGICAL
ORGANIZATION

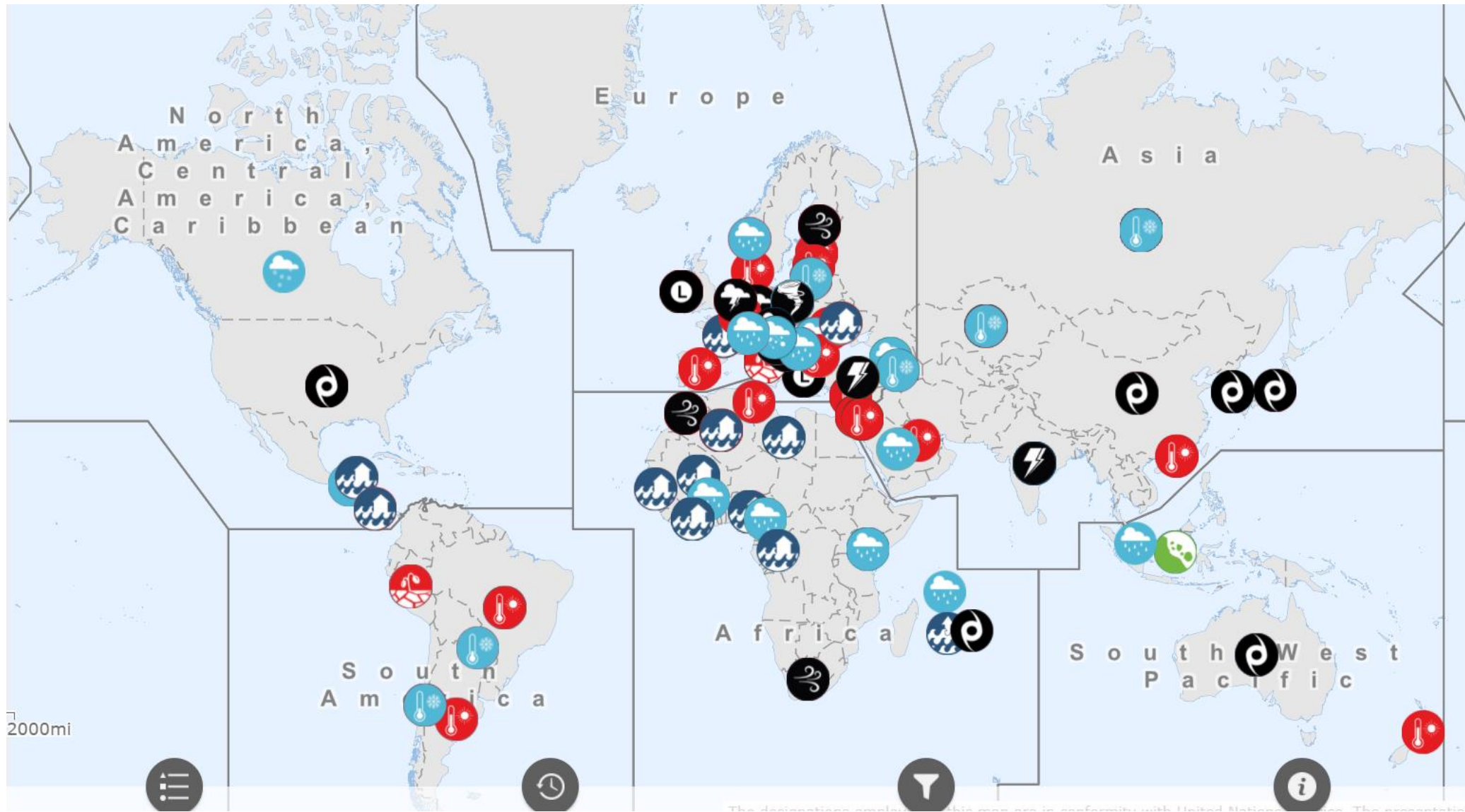
WMD 2020:

The ocean, our climate and weather.

- Normally when we discuss weather and climate prediction, we think only about what is happening in the atmosphere and less about what is occurring in the ocean and sea.
- However, if we ignore the ocean we will not be able to monitor the annual variability of the high-impact events adequately.



High-impact weather events 2020



Ensuring safety at sea and on land:

UN Decade of Ocean (2021-2030)

- **Goal III: A predicted ocean whereby society has the capacity to understand current and future ocean conditions, forecast their change and impact on human well-being and livelihoods.**
- **Goal IV: A safe ocean whereby human communities are protected from ocean hazards and where the safety of operations at sea and on the coast is ensured.**



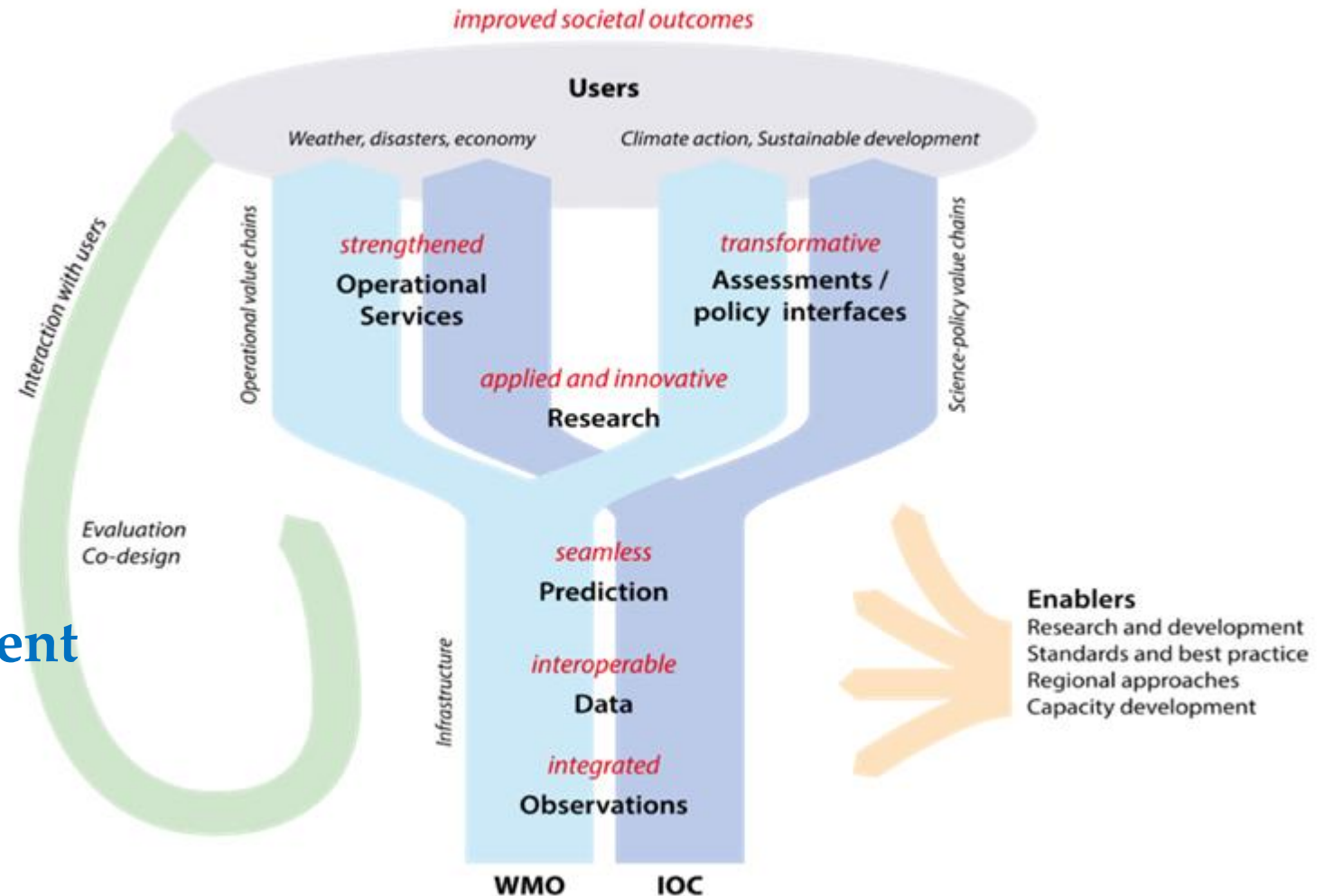
Ensuring safety at sea and on land: WMO Strategic Plan (2019-2023)

- **Global Ocean Observing System: To monitor the present state of the ocean, and track how the ocean is warming and changing in collaboration with IOC, UNEP and ISC (Goal III).**
- **Provide standardized information, forecasts and warnings to ensure the safety of life and property at sea in collaboration with IMO and IHO (Goal IV).**



Joint WMO-IOC Collaborative Board (JCB)

- Membership
 - Co-Chairs (2)
 - WMO (8)
 - IOC (8)
- Implementation
 - WMO Reform
 - Results-based Management



Project Management

- Input
- Activities
- Output

Success is measured by services delivered and costs



- Input
- Activities
- **Result (RBM)**

Success is measured by outcome and impact

UN agencies has been applying Results-based Management in planning, monitoring and evaluation at program level



Why Results-based Management ?

- Resources are shrinking;
- Increasing demand for better results
- Increasing needs to improve efficiency and accountability for results;
- Support for monitoring the SDGs (statistics);
- Part of the UN reform (SG bulletin, ST/SGB/2016/6);

Challenges :

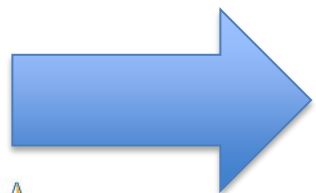
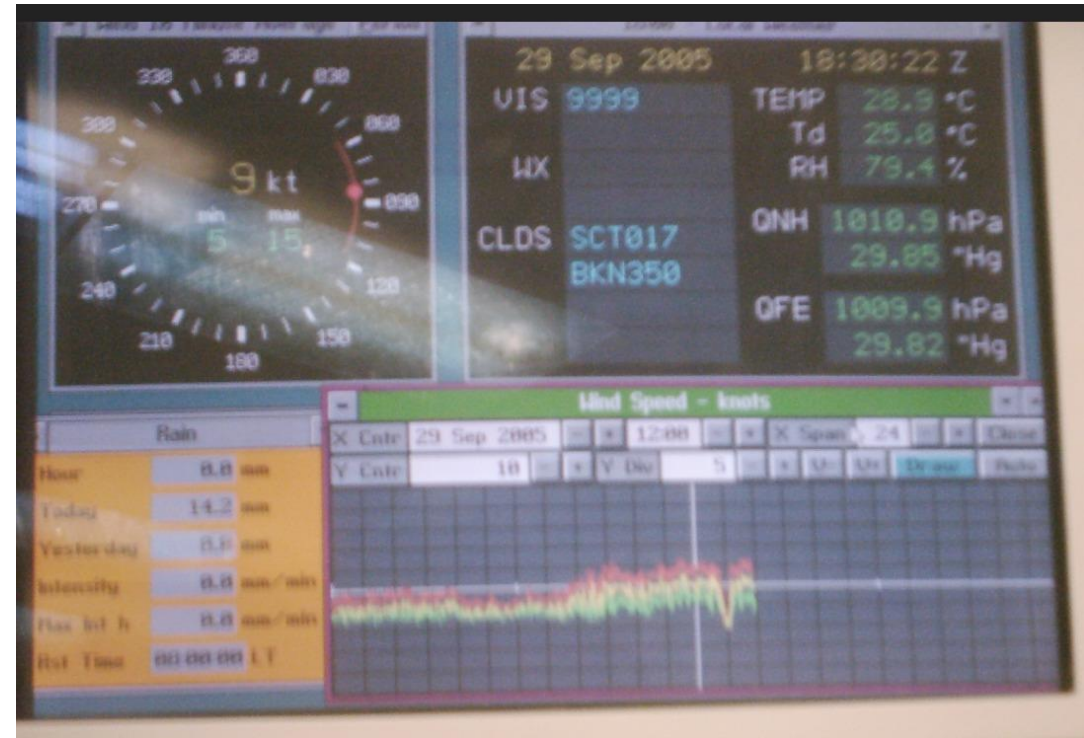
- Islands cannot easily adapt to these changes due to their scales and the related costs (economy of scales).



Reduced resources will push creativity.

In-house development of systems:

- AWOS (W3, 486 based on Basic)
- SMART detection of severe weather
-



Creativity will propel successful Outcomes



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Where resources are plentiful (i.e. no constraints), you will find very little creativity. Where resources are scarce (i.e. many constraints), you will find an abundance of creativity.

— *Andy Murray* —

AZ QUOTES

**Abundance of creativity will
propel new opportunities.**

Thank you, Gracias



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