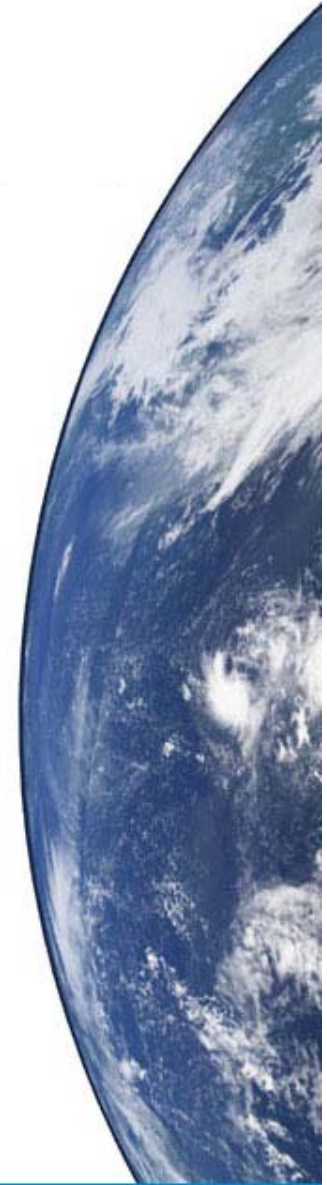




Discussion: TAOS Governance, Review and Resourcing

Katy Hill

(with advice and input from Neville Smith and
Brad de Young)



Proposed Governance and review mechanisms.

Brief: 'Does the TPOS 2020 structure (a TAOS Resources Forum, under guidance of a TAOS Steering Committee) work for the Tropical Atlantic? Other governance review mechanisms?'

(One size may not fit all...)



TPOS 2020 specific context.

- **Construct:** It is a defined, finite lifetime project.
 - Established by the O.S. sponsors, following international review, in response to a 'crisis'.
 - The Project (not the observing system) has an SC and RF.
- **Drivers:** ENSO, overwhelmingly dominant focus
 - Hence regional specific community focused in Tropical Pacific.
 - Met Services important partners.
- **Geopolitics:**
 - Coms breakdown contributing factor to challenges seen in 2012-13.
 - Intergovernmental frameworks essential for engaging new partners
- Ongoing governance being tested through a Transition and Implementation TT, connecting into WMO machinery.



Why do we need to think about Governance?

- To deliver a more integrated and efficient system
- That is sustainable
- Demonstrates value for stakeholders (in services as well as research)
- Over the next decade.

What current governance do we have?

- Global level systems requirements, design, review
- Implementation coordination (through globally coordinated networks)
- Regional reviews and development projects.

- In the Tropical Atlantic
 - Regional governance: PIRATA SC.
 - Regional reviews, development: AtlantOS/Atlantic Blueprint.



TAOS Specific governance needs (1)

- What, in the Tropical Atlantic context, needs additional governance, and what is the potential value add?
- **For the Review:**
- Review committee established (fit for purpose?).
- Missing link: How will stakeholders be engaged in the review process (users, funders)?
 - For TPOS 2020, in the form of published reports, reviewed by Experts, Stakeholders (inc. Resources Forum).



TAOS Specific Governance Needs (II)

- **The Observing System:**
- Are the characteristics (contributions and uses) of TAOS such that it makes sense to coordinate and manage on a regional basin scale?
- Is the tropical Atlantic community identifiable as a distinct community?
- Is there an identifiable and tangible requirement for TAOS governance? (how does this map into AtlantOS/Atlantic Blueprint plans?)



XTRA SLIDES





The Global Ocean Observing System



Steering Committee

Scientific Oversight

Expert Panels

Physics



Biogeochemistry



Biology and Ecosystems



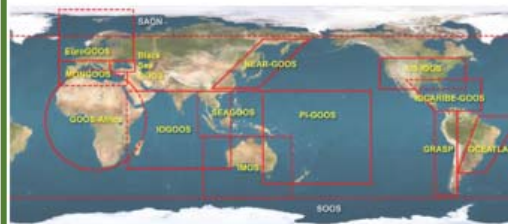
Observation coordination

Global observing networks and platforms



Regional and national organizations

GOOS Regional Alliances (GRAs)



Project development

Improving through innovation and renovation



EOVs and readiness level

CONCEPT **PILOT** **MATURE** *also ECV [sometimes aggregated]

Physics

- SST*
- Subsurface temperature*
- SSS*
- Subsurface salinity*
- Surface currents*
- Subsurface currents*
- Sea State*
- Ocean surface stress*
- Sea Ice*
- Sea level*
- Heat flux*

Biogeochemistry

- Oxygen*
- Inorganic macro nutrients*
- Carbonate system*
- Transient tracers*
- Suspended particulates
- Nitrous oxide*
- Carbon isotope (^{13}C)
- Dissolved organic carbon
- Ocean colour*

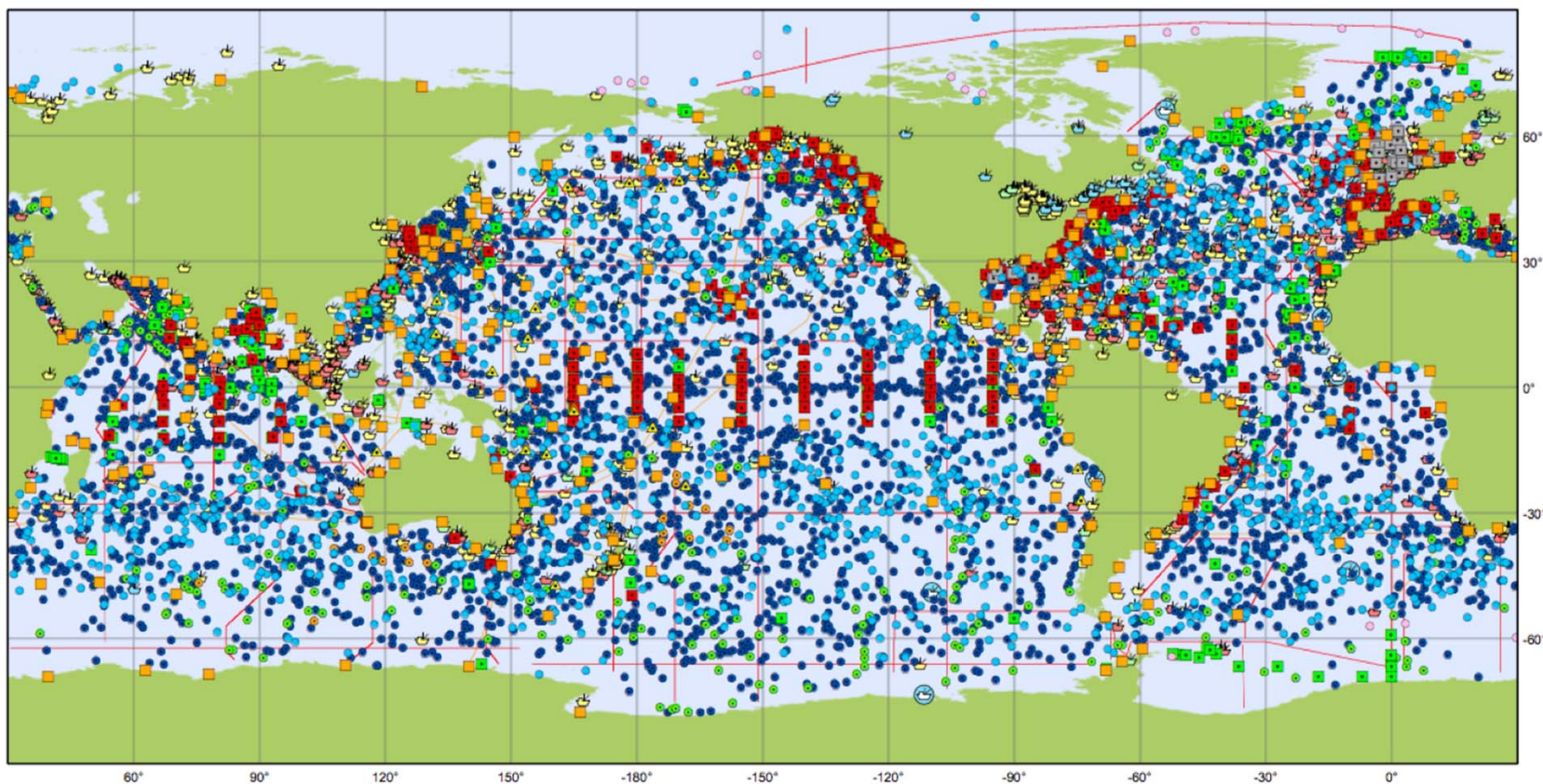
Biology and Ecosystems

- Phytoplankton* biomass and productivity
- Zooplankton* diversity
- Fish abundance and distribution
- Marine turtles, birds, mammals abundance and distribution
- Live coral cover*
- Seagrass cover*
- Mangrove cover*
- Macroalgal canopy cover*



Specification sheets at: goosocean.org/eov

May 2016



Main in-situ Elements of the Global Ocean Observing System

February 2017

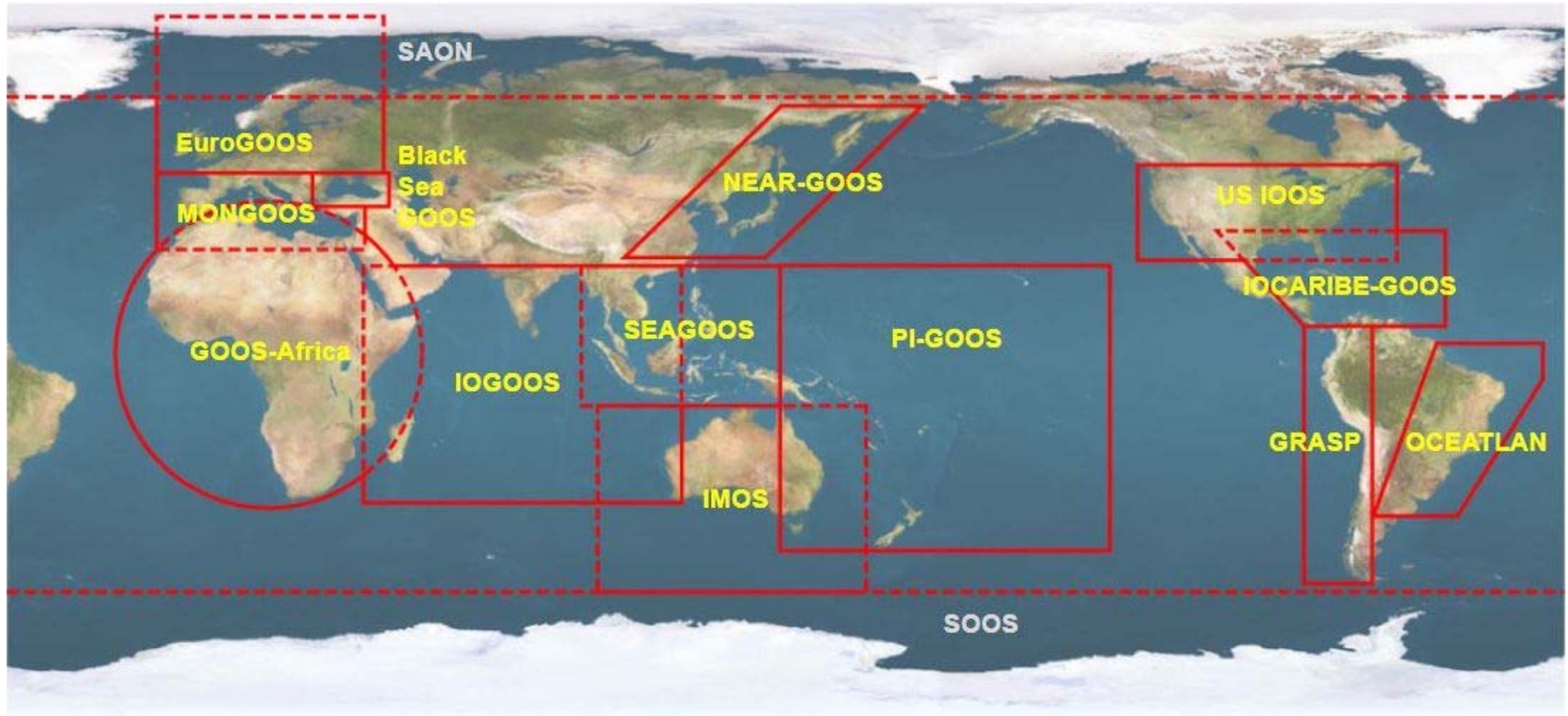
- | | | | |
|--|--|---|--|
| <p>Argo</p> <ul style="list-style-type: none"> • Argo (3999) • Deep-Argo (26) • BGC-Argo (301) | <p>DBCP</p> <ul style="list-style-type: none"> • Surface Drifters (1401) ■ Fixed Platforms (103) • Ice Buoys (22) ■ Moored Buoys (376) ▲ Tsunameter (32) | <p>OceanSITES</p> <ul style="list-style-type: none"> ■ Platforms (331) <p>GO-SHIP</p> <ul style="list-style-type: none"> — GO-SHIP (61) <p>GLOSS</p> <ul style="list-style-type: none"> ■ Tide Gauges (252) | <p>SOT</p> <ul style="list-style-type: none"> • VOSclim-Automated (107) • VOSclim-Manned (358) • VOS-Automated (152) • VOS-Manned (1056) • ASAP Radiosondes (21) — SOOP XBTs (37) |
|--|--|---|--|



Generated by www.jcommops.org, 09/03/2017



GOOS Regional Alliances





Thank you