

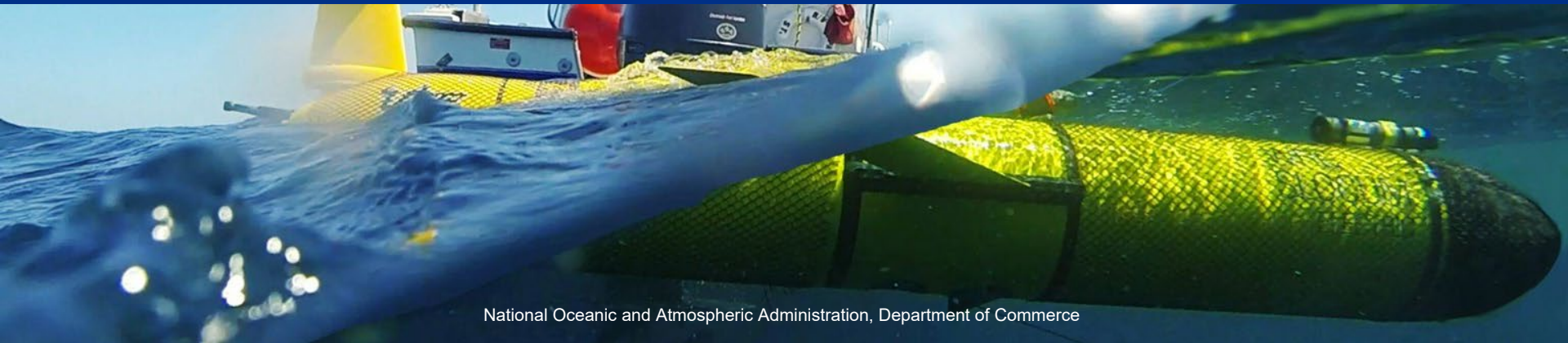


**NOAA**  
**GLOBAL OCEAN**  
MONITORING & OBSERVING

# 3.2 GCOS Funders: NOAA perspective

Presenters: Ann-Christine Zinkann

GCOS Steering Committee, July 2nd 2024

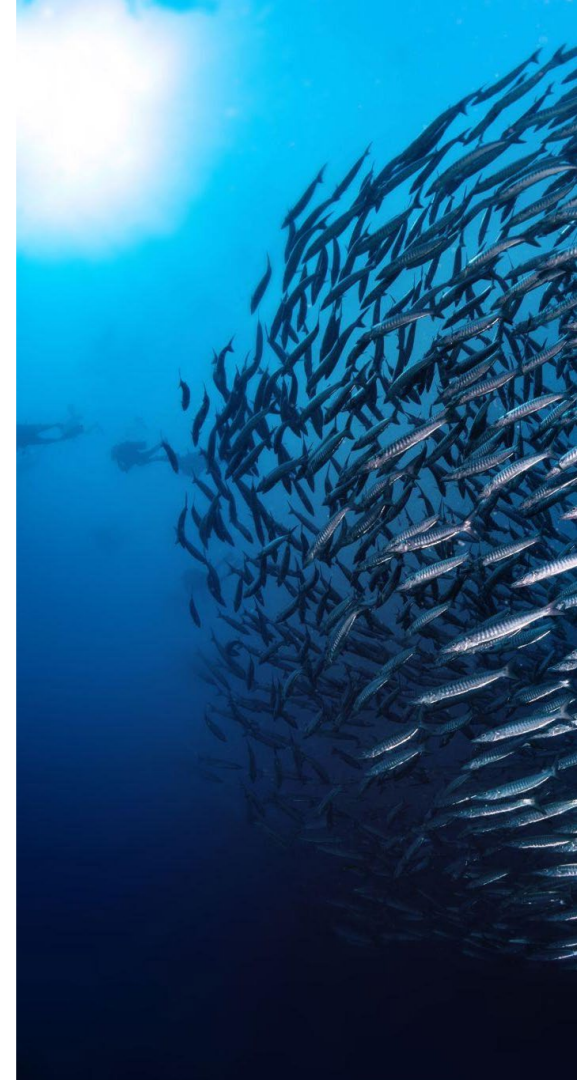


# GCOS elements and outputs

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- Oceans component through OOPC activities including:
  - Requirements are being used by NOAA
  - Work with OCG
  - EOV specification sheets
- NOAA financially supports OOPC
- Beyond those components, while there is involvement in the atmospheric component (detailed later) it is at a much lower level and mostly from in-kind support and existing station operations



# Current existing funding

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- NOAA/GOMO directly supports OOPC
- NOAA/NWS operations provide data (via NOAA/NCEI) for the
  - GCOS Surface Network (GSN)- 75 sites in the US
  - GCOS Upper Air Network (GUAN)- 10 sites in the US
- NOAA/OAR involved in providing limited support for
  - Reference Upper Air Network stations (GRUAN) [*limited funding from NOAA's Earth Radiation Budget program*]- 3 sites
  - Surface Reference Network (GSRN) [*via NOAA/ARL's funded US Climate Reference Network*]- 2 initial pilot network stations
  - GAW efforts (e.g., CO2 monitoring) via NOAA/GML
- GOES-U satellite launch, the final series of the NOAA GOES weather satellite



# Funding agreements and mechanisms

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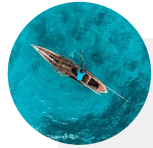
- For OOPC support NOAA sets up a multi-year contracts with Cooperative institute
- NOAA's budget is contingent on annual appropriations from the US Congress, and until formally approved we are unable to allocate and execute funds
- Proposals to allocate funds to specific activities such as OOPC have to be drafted at the beginning of the year and submitted by June
- No similar mechanism on the atmospheric side exists
- Annual reporting is helpful





# Potential expansions of GCOS

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## Tactical

- Demonstrate the connection of ECV and value/impact and mapping into used cases
- Integrated use on in-situ and satellite obs (GCOS/CEOS)
- Landscape mapping of stakeholders

## Strategic

- Considering mitigation in addition to monitoring
- How is GCOS being considered in global observing activities e.g., G3W
- Level of involvement in regional efforts
- Potential alignment w/ stakeholder priorities

## Opportunities

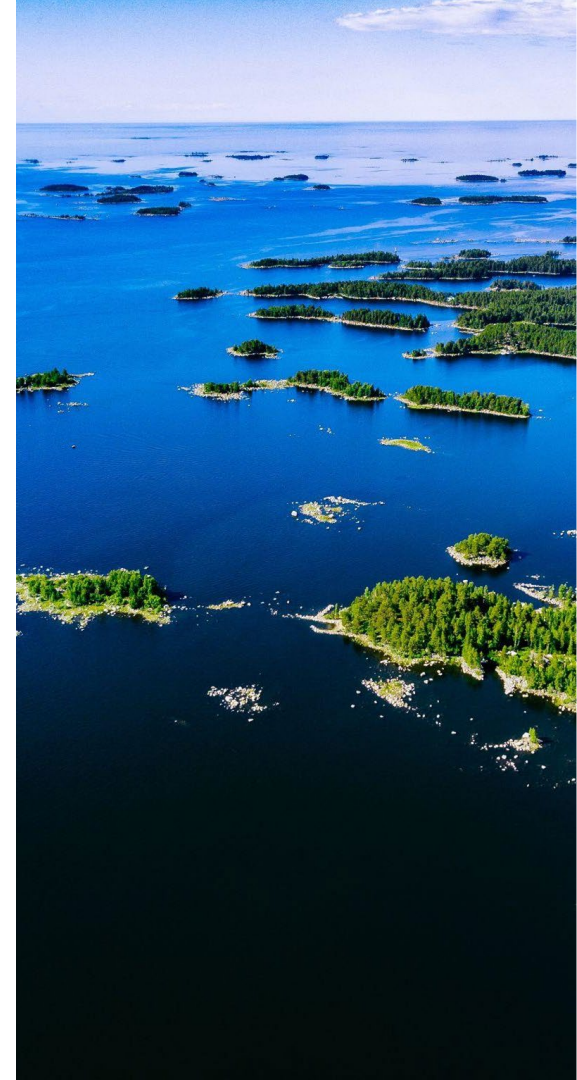
- Coastal
- BGC
- G3W
- GOOS co-design projects and other regional activities
- WMORRR

# Questions for GCOS

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- How does GCOS embrace the growing expanse of EOVs?
- Is it being considered to map ECV requirements to used case? Would that not help make better arguments?
- Does the GCOS process consider the requirements for forecasting in addition to monitoring? Mitigation? Other application areas?
- How is GCOS engaged in more regional efforts if at all?
- Previous plans were specific on e.g., # of floats but it seems to have shifted in the last plan - why?





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# THANK YOU

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