OceanPredict

Advancing the science of ocean prediction
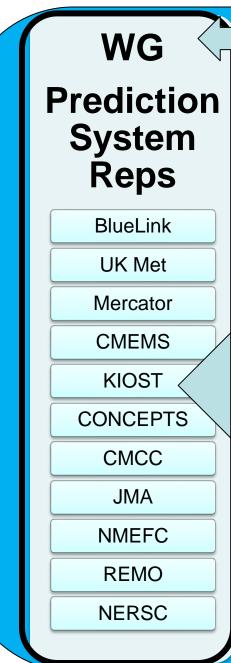
Authors (to be added as contributions come in

National/System Representative Working Group and Drafting ToR

- Need and opportunity for
- National Rep WG Vision
- National Rep WG ToR

Name	
Fraser Davidson	Jan 5th

OPST internal and external partnerships & Decade

WG Prediction System Reps

- BlueLink
- UK Met
- Mercator
- CMEMS
- KIOST
- CONCEPTS
- CMCC
- JMA
- NMEFC
- REMO
- NERSC

Task Teams

- MEAP
- Intercomp / Validation
- OSEVAL
- Data Assimilation
- Coupled
- Coastal Ocean Shelf Seas

ETOOFS

- Blue Link
- Puertos del Estados
- NOAA
- INCOIS

Observing Agencies & Groups

- ESA
- NASA
- CNES
- EUMETSAT
- ARGO
- GHRSTT
- OOPC
- CGOS

United Nations

IOC
- GOOS

WMO
- Infrastructure Commission
- Research

Decade

A predicted Ocean

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NSRWG Meeting Jan 27th 2022

- Review of Eastern Hemsiphere meeting notes

  - Any questions

- NSWG or NSRWG or other Name for WG
- Opportunities
- Terms of reference, rough outline

Discussion Highlights WG 1a

- Seasonal/quarterly meetings
- Diversity in timing/schedules of teams
  - Outline system plans / schedules for each system
- Flexibility needs to be built in
- More interaction to:
  - look at advances
  - Social economic background
  - Focus interaction on group needs

- Draft ToR from discussion and available feedback at OPST (spreadsheet)
- Draft List of potential WG activities
- Discussion at next week's half of WG
- Email interaction across all
- Pwr^T

ToR

NSRWG purpose: cohesive approach for efficient implementing of science, technical and logistical advances and further enabling efficient uptake and exploitation of ocean prediction systems.

Vision: A world where any user, can access any robust provision of ocean information (past, present and future) that incorporates best available science and observations to advance safety and efficiency of at sea activties.

Mission Advancing ocean prediction systems and their impact through mutually leveraging of expertise across the systems, and engagement with relevant data provision, client application and research groups as well as inter-governmental coordination bodies.

ToR (2)

Membership:
- 2 co-chairs
- 1 representative per country/forecasting center on OPST
- Additional members as needed/desired (experts) that support the country/forecasting center on OPST
- One voice per system regardless of participation number
- Systems represented can be global, basin, coastal, and or biogeochemical. Individual forecasting systems would be represented by the forecasting/country center… (may require discussion and precision)

Name?:
      OPST National Rep Working Group   NR-WG
      OPST National System Rep Working Group NSR-WG
      OPST System Rep Working group   SR-WG
      OPST Systems Working Group

ToR (3)

OPST Participation
- WG can coordinate presentations at OPST from forecast centers
- A whole WG presentation can be given
- Individual System presentations can be given.
- WG can decide as a group how best to present things at OPST.

WG Culture

- Respect: Equal but Different: WG forecasting centers will have different schedules, capacities, staffing levels and focus.   WG will acknowledge some common tasks may take longer at times for some Forecasting Centers
- The WG is meant to be an enabler, not a "formatter" of forecasting center activity. Enabling more than prescriptive

Strategic NSRWG Impact Potential

- Enables a group approach in the decade, and a building bloc for international OO value chain framework

- WG can engage/interact with groups across all components needed to sustain an Operational Prediction System.

  - observations, digital ocean and end user side

    - GOOS - ETOOFS

    - Best Practices (Jay Pearlman)

Activity list of NSRWG (draft)

- Sharing Information:
  - System output access info
  - issues
  - System upgrades
  - systems needs to communicate to TT and ET-OOFS
  - Community talk/seminar series on a prediction system (recordable)
  - National report evolution → overview of all systems

- System Accessibility
  - All links to system access on one site?

- System Verification / monitoring
  - Implementation of Class 4 intercomparison from IV-TT
  - Best practices

- Developing best practices towards standards
  - Define standards we need in prioritized categories.
  - Work with/through ET-OOFS for setting standards
  - Providing feedback to ET-OOFS on standards and progression of Implementation of standards
  - Implementation progress of standards