

# Task Team discussion Recap



## Transformative themes / ideas

**Synops:** *Advance best practices on evaluation or design ocean observing systems using ocean and coupled prediction systems*

Lessons learn from coastal/climate/weather systems on optimization method for Observing System **Design** for Operational applications/Reanalysis *TT's (IV, MEAP, DA, OSEVAL, COSS)*

### **Seamless integration Global to inshore (ie. going up the creek)**

Where is storm surge

Really coastal impact

Integration + BGC integration

### **System Approach for National Reps WG**

**Multiple programs can participate on these Transformative Themes**

**ie. DITTO for enabling seamless integration**

**Standards for “downscaling” and intercomparisons**



## Transformative themes / ideas

**Impact focus project themes: (multi disciplinary)**

**Focus on extreme events**

**Sargasum**

**Coastal impact**

**Tools in standardised framework to exploit prediction and verification**



## Approaches to projects

### **Encourage projects around themes:**

- Structure as pilot projects
- Then evolve during the decade to demonstration projects, operational project ...

### **Metrics in a cloud (data and tools)**

### **Impact verification**

- Regional coastal verification, adaptations to new coastal techs

## Coordination infrastructure opportunities

Decade Web Platform (decade forums)

- Coastal resilience (several programs part of this , including coastal cities)

Ocean Prediction Decade Collaboration Center (update on Day 3)

Climate and Coastal Resilience Decade Collaboration Center



## New + highlighted group connections

IV-TT → WMO WWRP Intercomparison team ECOP

DA and DAOS

OSEVAL, COSS-TT → Ocean Best Practices (Jay Pearlman)



## Issues identified

### US GODAE Server

- Not known how this is supported
- Need clear status for going to operations
- Contact exists but needs something more official
- Inability to upload files (occasionally)
- Needs to be more officially based

### Possible options:

- Look towards GCC
- Get quotable data set for in-situ data
- Get engagement from Operational Centers to support

Proposal for project 1: Put in a common space all the tools and data (get DITTO as partner)



## TT ambitions for the UN Decade

- Focus on a few well-identified transformative actions
- Legacy: promotion of **good practices, training, capacity building**
- **Greater community engagement with OceanPredict** and increase in people involved (including Early Career Scientists)
- Liaise with regional/coastal operational, and society-needs oriented demonstrations
- Advances in **coupled DA** (with CP-TT)
- More wide-spread **adoption of community DA infrastructure** such as JEDI
- **Routine assessment of observation impacts and improved observing system design** (within SynObs, OS-Eval TT and IV-TT)
- **Advances in DA methodologies** and use of new data such as SWOT
- Advances in **coastal DA** and linkages between global and coastal systems (with COSS-TT)
- Exploration of ML in DA and other aspects of model analysis
- **Establish a secure framework** through which OceanPredict community makes feedbacks to observational agencies.
- **Ecosystem indicator prediction** as vital components of the operational value chain to support food-security and healthy oceans





## CP-TT discussion

Should CP-TT have focus on modelling in general not just coupled models?

- What modelling systems resolve which processes ?
- Air Sea Interaction
- CP-TT may be closest to modelling as a task team



## ECOP related plans

Most TT have ECOP rep and related activities

