

## **CEOS Coastal Observations and Applications Study Team (CEOS-COAST)**

*Work Plan Version 1.4 (19 May 2020)*

### Focus/Priorities

- Focus on the interfacial nature of the coastal zone, especially the land-sea (~aquatic) interface, coupled with atmospheric and/or anthropogenic impacts as appropriate
- Identify, leverage and integrate appropriate CEOS capabilities and capacities across the various agencies, Virtual Constellations (VCs), Working Groups (WGs) et al.
- Constraint the focus so as not overly broad, and identify specific, tractable high priority pilot projects and related activities.
- Ensure that we do not “reinvent the wheel” and make sure that we clearly understand and identify exactly what the novel, complementary contribution is from CEOS relative to other existing and planned community activities.
- Maintain a CEOS perspective and ensure a clear focus on the “upstream” end of the value-chain, i.e., observations to data to products, addressing issues such as fit-for-purpose/analysis ready data; new/improved, higher resolution, integrated products et al.
- That said, work collaboratively with stakeholders as appropriate to co-design and co-develop high priority activities that resonate with stakeholders/users in GEO, UN et al.
- Ensure that we have a viable strategy to identify and acquire the necessary resources (human, financial) from CEOS members to execute the implementation plan to be approved for 2021 work activities

### Schedule

- Development and submission of Coastal Study Team Proposal to CEOS: September 2019 (status: complete)
- Review and approval of CEOS-COAST Proposal at CEOS Plenary: October 2019 (status: complete)
- Initial COAST members proposed by CEOS agencies: November 2019 (status: complete)
- Development of initial CEOS-COAST Workplan: January 2020 (status: complete)
- COAST Kickoff Telecon: January 2020 (status: complete)
- COAST Telecon #2: February 2020 (status: complete)
- COAST Telecon#3: March 2020 (status: complete)
- COAST Side Meeting at SIT-35/Telecon #3: March 24, 2020 (status: complete)
- COAST Presentation at SIT-35: March 2020 (status: complete)
- Identification of candidate COAST Pilot Projects: February-April 2020
- COAST Telecon #4: April 7th 2020 (status: complete)

- Selection of highest priority COAST Pilot Projects: April-May 2020 (status: completed)
- COAST Telecon #5: May 2020 (status: completed)
- COAST Telecon #6: June 2020 (status: scheduled)
- Identify COAST Pilot Project framework, approach, work plan: June-August 2020
- COAST Telecon #7: July 2020 (status: scheduled)
- COAST Telecon #8: August 2020
- COAST Side Meeting/Telecon #9 at SIT Technical Workshop Plenary: September 2020
- Discussion, presentation, review at SIT Technical Workshop Plenary: September 2020
- Implementation plan submitted for approval at CEOS Plenary: October 2020

**Initial Deliverables (Phase I)**

- Annotated bibliography on selected satellite-based coastal observations and applications (to be update on a routine and sustained basis)
- Implementation Plan for high-priority Phase II pilot projects, including resources and technical workforce required for successful execution
- Initial high-level assessment of known community needs, gaps et al. for the coastal zone (detailed assessment to be initiated in Phase II in 2021)
- Planning for CEOS-GEO Coastal Community Workshop, part of Phase II activities in Fall 2021

TASK	2020					2021				2022		
	Jan	Apr	July	Sept	Dec	Apr	July	Sept	Dec	Apr	July	Sept
<b>Phase 1</b>												
Annotated Bibliography												
GEO CEOS Joint Workshop Prospectus												
Initial User-driven Gap Assessment												
Pilot Project List (prioritized)												
Long list 7-10												
Short list 1-3												
Pilot Project Implementation Plan												
First draft												
Final draft												
<b>Phase 2 - Internal Focus</b>												
Detailed Assessment and Gaps												
CEOS Pilot Project 1												
CEOS Pilot Project 2												
CEOS Pilot Project 3												
CEOS Pilot Project 4												
GEO CEOS Joint Workshop (Sept 2021)												
<b>Phase 3 - Broader Community Engagement and Partnership</b>												
CEOS Co-led Community Coastal Projects												

Figure 1. CEOS COAST Quarterly task assignments by Development Phase (rev. May 19, 2020).

## COAST Study Team Members (with embedded emails)

- CEOS COVERAGE: [Jorge Vazquez](#) (JPL), [Vardis Tsontos](#) (JPL)
  - CEOS Systems Engineering Office (SEO): [Brian Killough](#) (NASA)
  - CEOS VCs: TBD (depending upon specific COAST project needs)
  - CEOS WGCapD: Nancy Searby [Lauren Childs-Gleason](#) (NASA)
  - CEOS WGClimate: [Albrecht von Barga](#)n (DLR-DE), [Joerg Schultz](#) (EUMETSAT)
  - CEOS WGCV: [Cindy Ong](#) (CSIRO), [Akihiko Kuze](#) (JAXA), and [Philippe Goryl](#)
  - CEOS WGISS: **[Rob Woodcock](#)** (CSIRO) and Ken Casey (NOAA - as an advisor)
  - CEOS WGDisasters: [David Green](#) (NASA), **[David Borges](#)** (NASA)
  - CNES: [Aurelien Carbonniere](#)
  - ESA: [Jérôme Benveniste](#)
  - EUMETSAT: [Estelle Obligis](#)
  - European Commission: [Astrid-Christina Koch](#), [Fabienne Jacq](#)
  - GEO AquaWatch Initiative: **[Steve Greb](#)**
  - GEO Blue Planet Initiative: **[Emily Smail](#)**, [Leah Segui](#)
  - GEO Secretariat: [Douglas Cripe](#)
  - Geoscience Australia: **[Stephen Sagar](#)**
  - ISRO: [Rashmi Sharma](#), [Raj Kumar](#)
  - NASA: [Laura Lorenzoni](#), [Christine J Mataya](#)
  - NOAA: [Paul M. DiGiacomo](#) (COAST Chair); [Merrie Beth Neely](#) (Science Support Staff)
  - USGS: [Steve Labahn](#) (LSI-VC)
  - VNSC: [Lam Dao Nguyen](#)
  - CSIRO: [Janet Anstee](#)
  - CEOS SEC Support: [Matt Steventon](#) and [George Dyke](#) (Symbios4)
  - CEOS Executive Officer: [Kerry Sawyer](#), NOAA
  - CEOS-SIT chair team: [Jonno Ross](#) CSIRO
- (Others TBD and added as appropriate, names in **bold** are thematic discussion leaders)