OMR WG & Goals (presented 2021)

- **Membership:** Vicki Ferrini, Lindsay Gee, Erin Heffron, Paul Johnson, Meredith Westington
- **Early consensus that we weren't ready for mapping prioritization app yet.**
  - Difficult to prioritize when we still struggle to figure out what is mapped/not mapped. There is no definitive single data layer for what is mapped.
  - Overly complicated to get to what is mapped/not mapped when opportunistic mapping opportunity presents itself.
  - THIS IS THE GREATEST TECHNICAL NEED
- **SO, Priority 1:** A single GIS layer pooling all available resources of known mapping data, with the goal of helping a user identify what needs to be mapped quickly, AND providing a base layer for opportunistic mapping decision support tools.
- **THEN, Priority 2 (if there is a community need):** Opportunistic mapping decision support tools (ex. survey route optimization/prioritization, weighted gaps to map layer, public notice planning event generator).
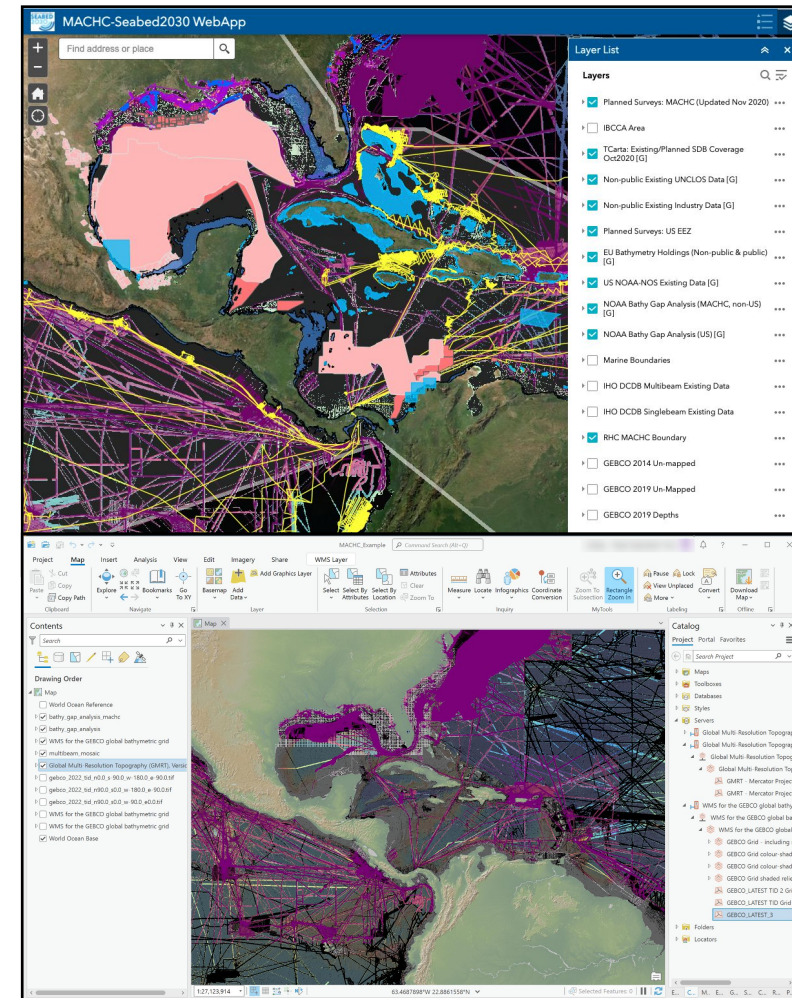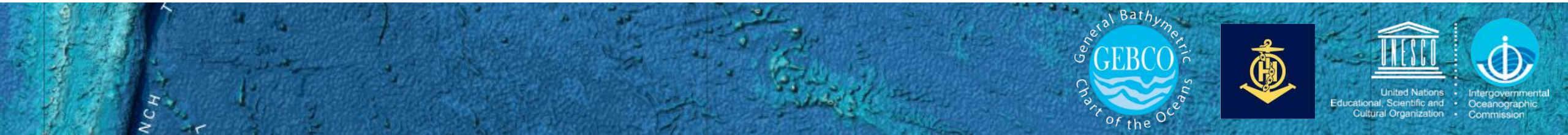
OMR WG Progress

- Post-2021 GEBCO meetings, recognized that the Seabed2030 Global Data Assembly and Coordination Centre (GDACC) has identified this as a priority
- TSCOM chairs, OMR WG, GDACC (Helen Snaith, Chris Thompson) Feb. 2022 to discuss mutual needs and goals
- OMR WG generated a [proposal](#) to work with Earth Analytic to do a single data-nodata web layer proof of concept. Goals:
  - Preliminary data/no data web layer utilizing a few sources in a specific region (MACHC)
  - Repeatable methodology for interrogating and integrating multiple web services
  - Recommendations for metadata to include in existing web services to allow for this type of integration and advanced analysis

OMR WG Progress

- Early in to proof-of-concept work, Earth Analytic (Wetherbee Dorshow) recognized that a repeatable, easily-automated integration of multiple layers wasn't possible with the web layers as they were being served.
- We (OMR WG) encouraged EA to continue on the analysis and focus on an assessment of available sources and to report on what the bottlenecks were and suggestions to remedy them.
- Draft report late summer/early fall 2022.

OMR WG Progress

- Report provided to TSCOM prior to intermediate meeting, September 2022
  - Web services vary in type, and in turn vary in functionality and viability for downstream use.
  - Adjust outputs to provide Image Services - OGC WCS Services, with sensor type info where applicable.
  - Suggest future updates to web services include an area of change raster (can be done either at initial data provider level or integration service provider level).
  - Once web services are adjusted to provide this information, can easily be leveraged by a geoprocessing toolset (of whatever flavor you so chose) to to generate a single data/no data layer.
- Feedback from TSCOM intermediate meeting: more introductory/ background info.
  - Additions in progress. Working version of the document: https://docs.google.com/document/d/183Zo7gBm9-jo8nsi51Q4vsAfgt6jVzlG4EFKO FzTtYM/edit?usp=sharing

OMR WG Plan

- Complete report as requested by TSCOM/GDACC
- Help support forward progress with web services – moving forward comes down to getting grasp of available web services and improving them
  - Jenn Jencks – workshop, DCDB updates towards this goal