AusSeabed August Webinar Q&A

Date: Thursday 27th August 2020

Time: 1100 – 1245 AEST

1: Webinar Recording

Question Is this webinar being recorded and will it be available to download?

Answer Yes, all webinars are being recorded and will be available to download. Each month's recording, presentations and Q&A will become available on the [AusSeabed website](#).

2: Questions for Vicky Ferrini, LDEO

Question Vicky, In the grid generator, what are the options for 'feathering' the interface between low and high resolution data to reduce large discontinuities between datasets?

Answer We used to do blending but we don't anymore as this process was adding artefacts on the edges. The only "blending" that we do are the multibeam cruises that we bring together into the multibeam compilation component. The way that we integrate that with the contributed grids is more of a layering with some rulesets based on the different datasets in the contributed grids piece.

Question Vicky, what infrastructure/ language is GMRT written in?

Answer Currently uses JAVA, MB System, GDAL, some python. Working on evolving away from java – web services and front end are still somewhat dependant on java, otherwise have adopted service standards (OGC compliance etc).

Question Vicky, in terms of overlapping data, how do you account for weighting in terms of quality?

Answer The way with MB data, as we go through process of QA/QC a weight value is assigned to the cruise (1-10: poor-good). Weighted value gets integrated into the blended grid - e.g. something that is weighted as a 10 will dominate something that is weighted as a 1. Could be refined further to a higher level.

Also working on code to extract and "fix" a cruise from the blended compilation.

Question Vicky and Evgenia, is the same data source code used for Seabed2030 being used for GMRT too?

Answer We know which pieces of GMRT are from the multibeam compilation and that gets contributed to seabed 2030.

We don't handle the total integrated depth in the same way.

The biggest challenge is being provided a gridded data set with interpolation, which while great for science is terrible for data integration because ideally you'd be able to mask out depths that weren't supported by data.

3: Questions for Gordon Motherwell, WA DWER

Question Gordon, you mention that there are some items in here that are relevant to AusSeabed - can you give a quick explanation of how IMSA might work with/integrate with AusSeabed?

Answer We don't get a lot of bathymetry data but we do get a lot of MB for offshore. Mostly its sat derived bathy that is captured at the same time as benthic habitat data. I'm still not sure how we will integrate with AusSeabed—got to have those talks with Ralph and the other AusSeabed people. But whatever seabed data IMSA get in, it can be accessed and will hopefully flow in to that portal.