

Eighth GEBCO Science – presentation abstract

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Oral presentation title: What's New in Google Ocean and Making Your Own Ocean Map with Google Maps Engine

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Abstract

Four years ago, we launched an explorable ocean seafloor in Google Earth. Then we updated our global underwater terrain dataset last year in partnership with the Scripps Institution of Oceanography, NOAA, the US Navy, NGA, and GEBCO (with major contributions from IFREMER and IBCAO), resulting in 15 percent of the seafloor at 1 km resolution. In 2012 in partnership with Lamont Doherty at Columbia University, we updated around 6% of the Ocean with their high resolution 100 meter bathymetry synthesis with data from 20 institutions, mainly in the US UNOLS fleet.

At this year's, NOAA Ocean Exploration Forum in Long Beach, we announced in our talk that now terrain support has been added to Google Maps Engine, our cloud datastore for geographic data, making it easy for anyone to make their own ocean map. We will demonstrate an ocean map that we created highlighting a Schmidt Ocean Institute-MBARI Campache Escarpment survey atop the Smith & Sandwell SRTM30 version 7 global synthesis in Google Maps Engine. You can then open that synthesis using the Google Earth mobile app on your android phone or tablet or iphone/ipad device and share it with the world.