



Atlantic-Indian RDACC Update

Lamont-Doherty Earth Observatory
COLUMBIA UNIVERSITY | EARTH INSTITUTE

Atlantic/Indian RDACC Team



Vicki Ferrini



Frank Nitsche



Tinah Martin
GEBCO-NF Alumnus



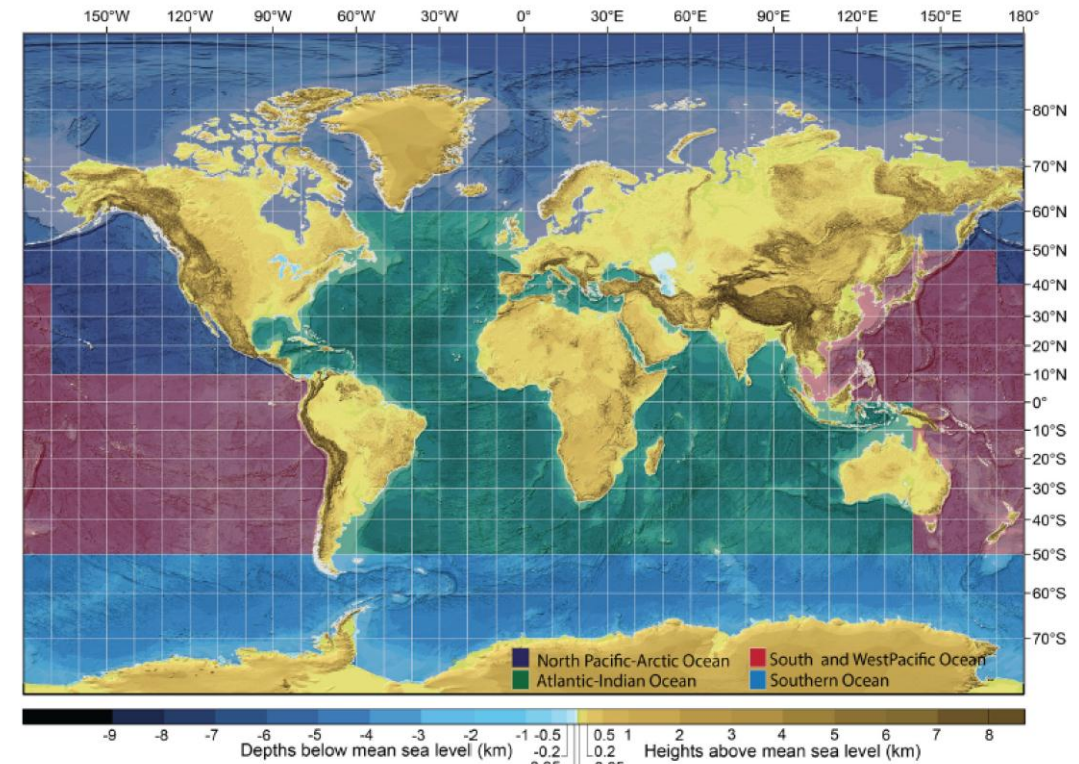
Claudia Giulivi



John Morton



Summer 2017 Students



Year 1 Achievements



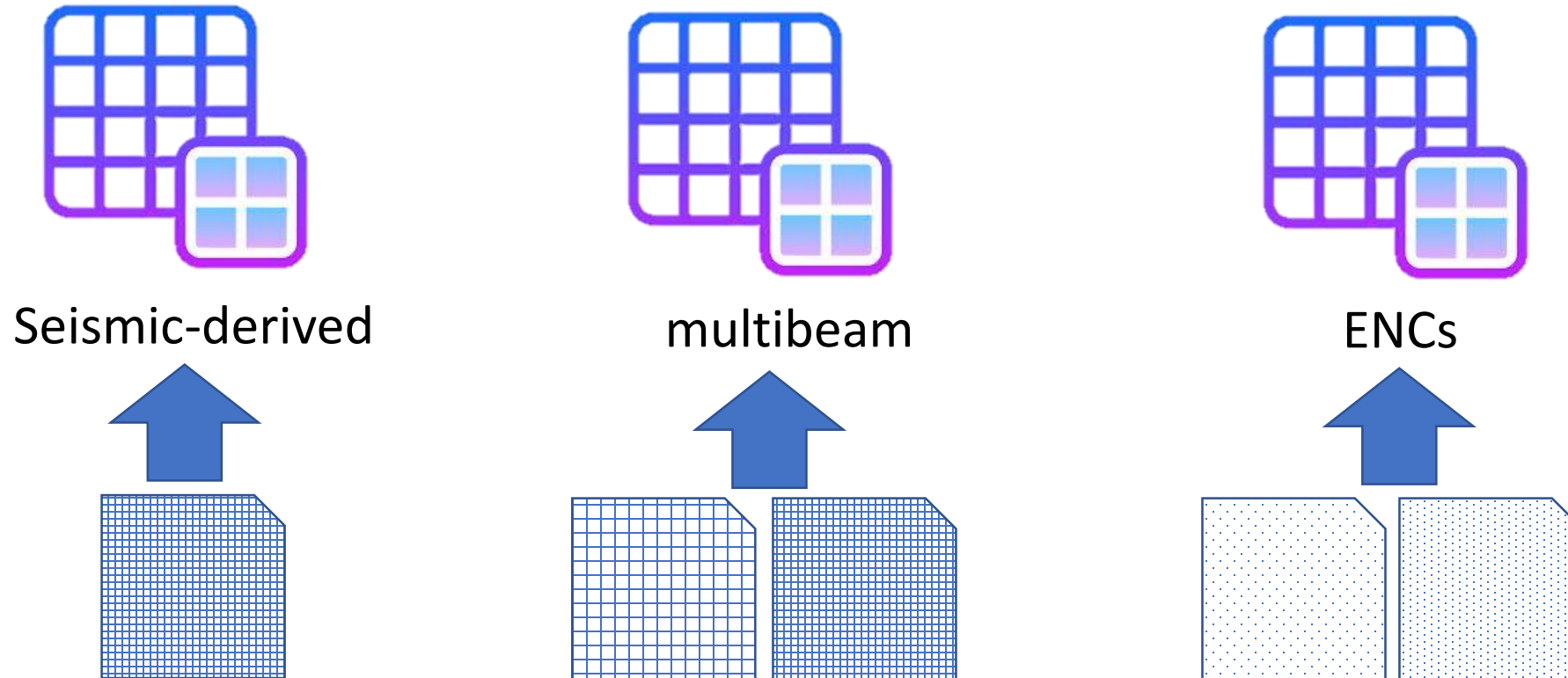
- Develop initial data compilation workflows
 - Coordinate Technical Meeting @ Esri
- Identify and prepare new data sources
 - Engage undergraduate students
- Generate first regional data products
- Engage community of stakeholders through meetings and presentations
- Held first Atlantic/Indian Regional Mapping Meeting



Data Assembly Workflow



- Maintain provenance and access to source data (grids or ASCII)
- Develop different workflows for different device types



Data Assembly Workflow



- Assemble grids by device type at target resolution
 - GMT near neighbor
- Blend grids to assemble regional products
 - GMT grdblend in clobber mode
- Generate Source Identifier (SID) grid



multibeam



singlebeam



ENCs



seismic



contours
from charts

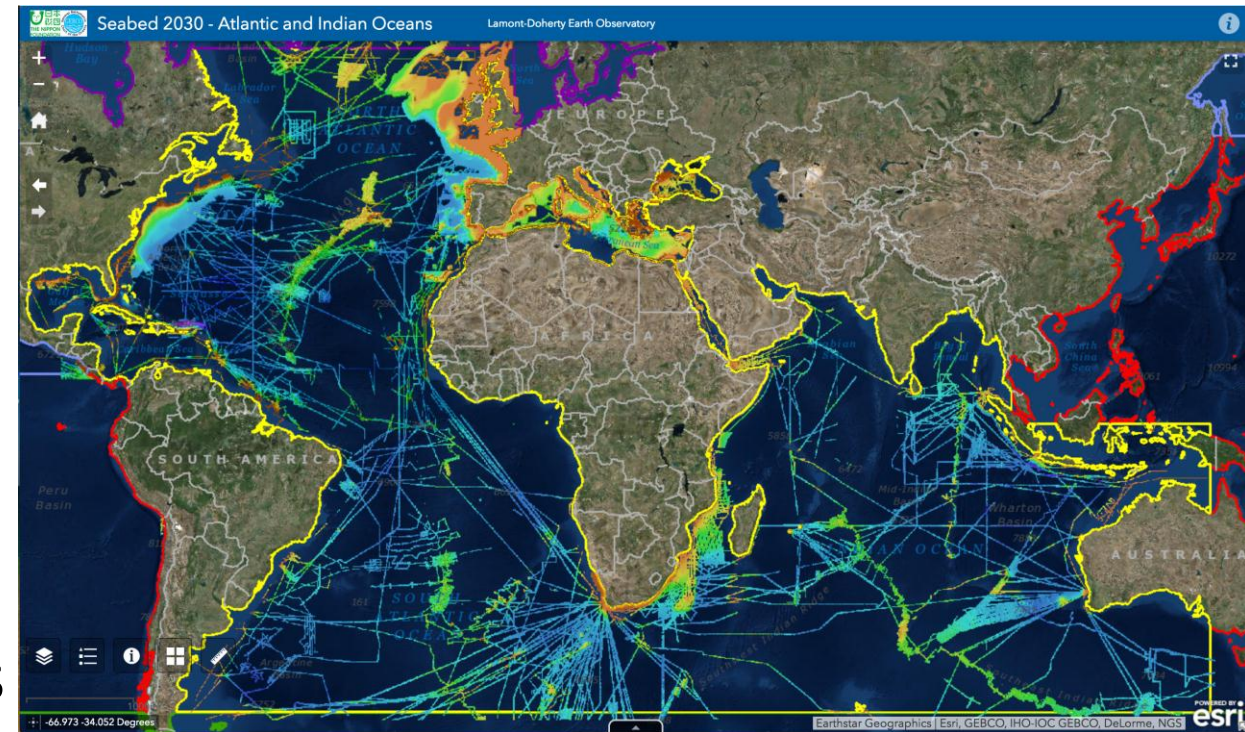


contours
from ENCs

New Data Sources

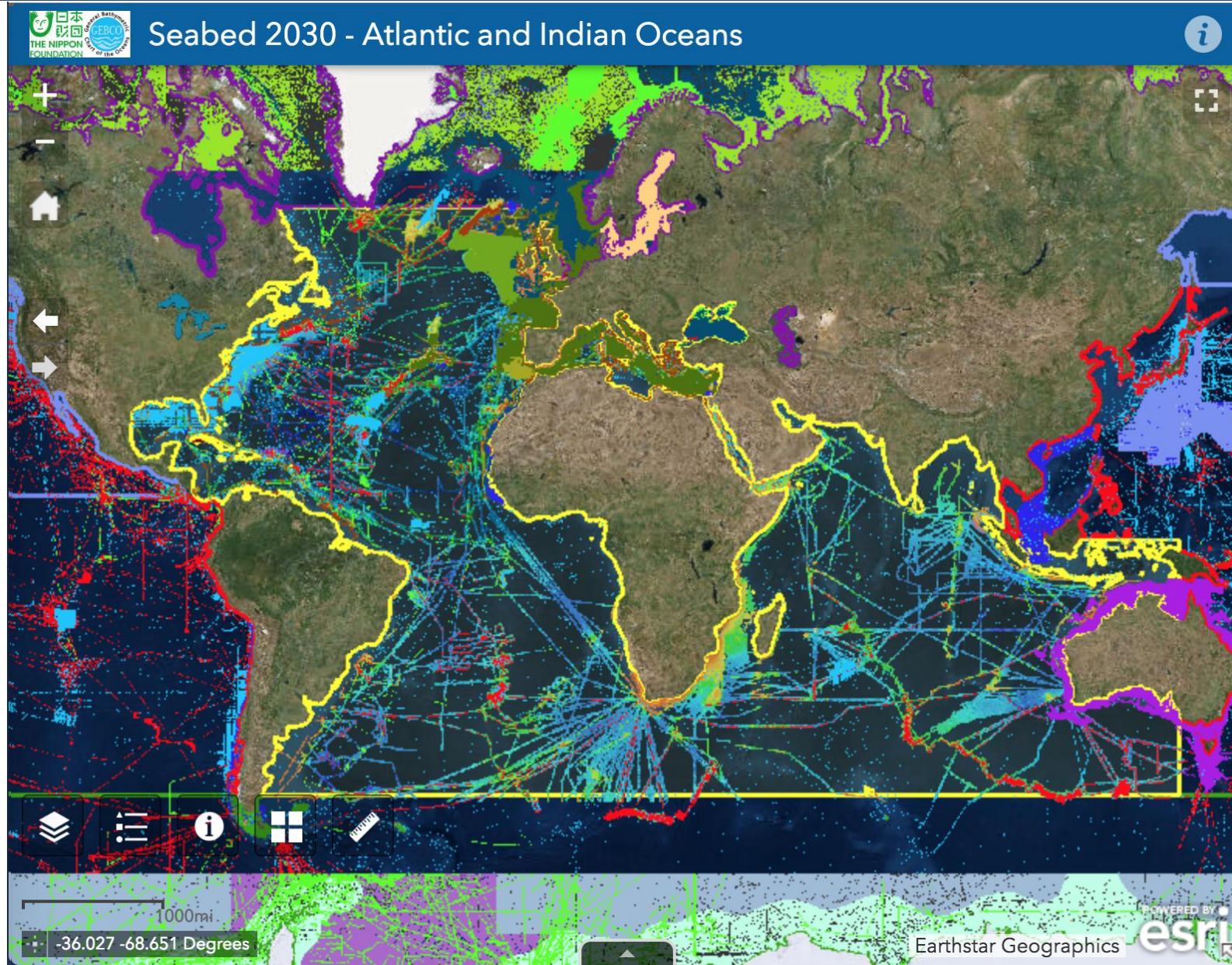


- GMRT v3.5 multibeam bathymetry
- EMODnet 2018 bathymetry compilation
- BOEM Gulf of Mexico
- MH370 Phase 1
- South Africa ENC soundings
- Southwest Indian Ridge compilation
- Fugro transit data
- AORA Irish Trans-Atlantic cruises
- Alfred Wegner Institute MB holdings
- 2017 Sonne transit data
- IOBC data compilation



GDACC complementing this coverage with content from previous GEBCO releases

Atlantic/Indian Region



Regional Mapping Meeting



- Presentations
 - Seabed 2030
 - Mapping efforts in the region
 - Tools & Technology
- Brainstorming
- Recommendations & Actions
 - New data sources
 - Tools, Technology & Technical Considerations
 - Capacity Building
 - Communications & Messaging
- Participants from 18 Organizations



Lamont-Doherty Earth Observatory Oct 30-Nov 1



Next Steps...



- Refine, optimize and enhance workflows
- Develop dashboards with different views to attribute data sources
- Contribute to services & tools to guide data acquisition
- Gain access to and integrate new data sources
- Activate NF-GEBCO Alumni Network
- Monthly RMC Calls
- Follow-up on actions from RMC meeting

