Update on MARGINS DMS

12th April, 2005

Andrew Goodwillie - LDEO
Benefits of mgDMS:

- Easy-to-use search tools
- Global visual exploration with geomapapp
- Demand for Metadata Standardisation
- Link to existing repositories
MARGINS DMS:

- Comprehensive, standardised metadata catalogue
- Link to existing global databases; or serve data
- Ridge2000, Ridge, Seismic, Antarctic MBS integration
- We are here to serve the MARGINS community
This page provides access to cruise information and data collected during MARGINS funded projects. Learn more about this website by browsing the What's New page, and reading other Project Related Documents.

You can download forms to document your field program.

Use GeoMapApp to view the global topography database, create and download custom maps and grids as well as multibeam ping files. With GeoMapApp you can also view and explore tracking gravity and magnetics data, geochemical data from PuUDE, botanically, and seismic reflection profiles.

Use Data Link to search for a cruise or data type of interest by keyword or geographic region.

Use Create Maps and Grids to generate a quick bathymetry map or grid for a region of interest.
Progress since Oct 2004

• Overhaul of inner workings
  • Expansion and flexibility
  • Parent-child relationships

• Specific links for MARGINS Focus sites
• Metadata/data ingest

Fly River project:

• VANC19MV
• VANC20MV
• VANC21MV

Nittrouer, Aller, Aller, Naar, Goni, Ogston, Sternberg
## Data Link Entry

**Entry:** YANC21M/V

**Project:** Processes Controlling Depositional Signals of Environmental Change in the Fly River Sediment Dispersal System  
[Web site](http://www.marine-geo.org/)

**Project:** Biogeochemical Cycling and Authigenic Mineral Formation in Suboxic Tropical Mobile Mud Belts

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**Chief Scientist:** Nitrous, Charles  
(NSF OCE-02-09584)

**Scientist:** Elwood, Denise

**Scientist:** Goni, Miguel  
(NSF OCE-02-05000)

**Scientists:** Ousman, Andrea  
(NSF OCE-02-09581)

**Scientist:** Stemberg, Richard  
(NSF OCE-02-09581)

**Scientist:** Walsh, Jr.

**Student Graduate:** Crockett, John

**Student Graduate:** Craig, Louise

**Student Graduate:** Etemnjap, Jason

**Student Graduate:** Hill, James

**Student Graduate:** Keen, Magdalene

**Student Graduate:** Mangan, Sara

**Student Graduate:** Monaci, Natalie

**Student Graduate:** Preste, Katherine

**Student Graduate:** Tom, Devani

**Student Graduate:** Yeheman, Ramsey

**Taschen:** Nitrous, Deborah

**Technician Computer:** Foley, Steve

**Technician Resident:** Ravenhill, Geoff

(“not-in-field party”)
Port: 2004-01-26 Port Moresby, Papua New Guinea
Port: 2004-02-15 Port Moresby, Papua New Guinea

W: 143.60800
E: 147.15600
S: -3.96630
N: -7.90162

Survey Locations and Navigation:

Download Primary Shiptrack

Field Data Inventory:

Acoustic Doppler Current Profiler (Miller_Stephen)
Bathymetry_Center (Miller_Stephen)
Boundary Layer in situ Sediment Profiler (UW BLSP) (Ogston_Andrea)
Core_Sediment (Goni_Miguel)
Core_Sediment (Ogston_Andrea)
CTD (Goni_Miguel)
Current_Meter (Deployed Stations) (Mitrover_Charles)
Gravimeter (Miller_Stephen)
Subbottom (EdgeTech Subscan-612) (Miller_Stephen)
Subbottom (PDR 3.6kHz) (Miller_Stephen)
Weather_Station (Miller_Stephen)
Expendable BathyThermograph (Miller_Stephen)
Metadata/data ingest

Fly River project:

- VANC19MV
- VANC20MV
- VANC21MV
- VANC27MV
- VANC28MV
- VANC29MV
- VANC30MV

Nittrouer, Aller, Aller, Naar, Goni, Ogston, Sternberg

PNG bathymetry grids
• Metadata forms - marine

• Re-worked
• More intuitive, simpler, clearer
• Tested now
• Final touches
• Interaction/feedback
• Metadata forms - land

  • Received guidance from MARGINS members for terrestrial data

  • Started to create

  • UNAVCO/IRIS links
Geomapapp: links with ODP/DSDP

- Integration into geomapapp
- Meeting at TAMU
Geomapapp: DEM tiles

- PNG – VANC*MV (Naar)
- Gulf of CA – EW0210 (Lizarralde)
  - MOCE05MV, AT03-46 (NGDC)
- IBM – EW0202/03 (Taylor, Klemperer)
- Central America – EW0005 (no Ranero grid)
- New Zealand – from NGDC repository
• Outreach – AGU booth, townhall, EOS
Upcoming year

- Add historical/recent data
- Metadata forms - land/marine
- mgDMS front-end improvements
- External new/existing links:
  - UTIG
  - UNAVCO
  - IRIS
  - ODP
  - SedDB (mgDMS co-funding)
  - PetDB
  - SESAR
We need Steering Committee help:

- Retrieving cruise metadata/reports/data
- Guidance in getting PI contributions after 60-day/2-year proprietary hold period.
Data Link Entry

Entry: COOK06MV

Project: Subduction Factory Studies in the Southern Mariana Convergent Margin

Chief Scientist: Fryer, Patric (NSF OCE00-07063)
Scientist: Martinez, Fernando (NSF OCE99-07063)

Port: 2001-02-10 Aprs, Guam
Port: 2001-03-01 Aprs, Guam

Survey Locations and Navigation:
Primary Shiptrack

Field Data Inventory:
MARGINS cruises with same status:

- IBM:
  - COOK06MV (Fryer)
  - COOK07MV (Bloomer)

- Central America:
  - VANC02MV (Fisher)
  - NEMO04MV (Dorman)
  - EW0212 (Brown)
  - EW0104 (Fisher)

- PNG:
  - VANC22,23MV (Driscoll)
  - VANC24,25,26MV (Droxler)
We need Steering Committee help:

• Retrieving cruise metadata/reports/data

• Guidance in getting PI contributions after 60-day/20year proprietary hold period.

• Guidance dealing with terrestrial data

• We’re here to serve the MARGINS community

End