

ECORD Facility Board (EFB)

Report and Progress Update

ECORD Council, Napoli, 28-29 Oct 2015

ECORD FB members:

- Science Board: Karsten Gohl (GER), Chair - reporting
Antonio Cattaneo (F)
Dominique Weis (CAN)
Gerald R. Dickens (USA)
Marta Torres (USA)
- ECORD Executive Bureau (ECORD Council core members, EMA, ESO, ESSAC, E-ILP)
- Funding agencies (NSF, MEXT)

EFB membership and meeting issues

Science Board members rotating off at end of 2015:

Antonio Cattaneo (France)

Marta Torres (USA)

New Science Board members starting 1 Jan 2016:

Gilles Lericolais (France)

Stephen Gallagher (Australia)

Fumio Inagaki (Japan)

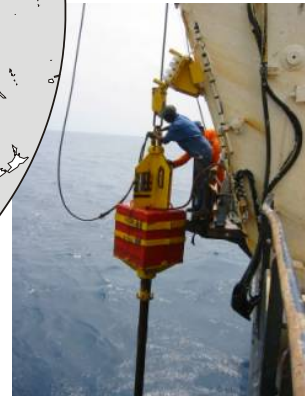
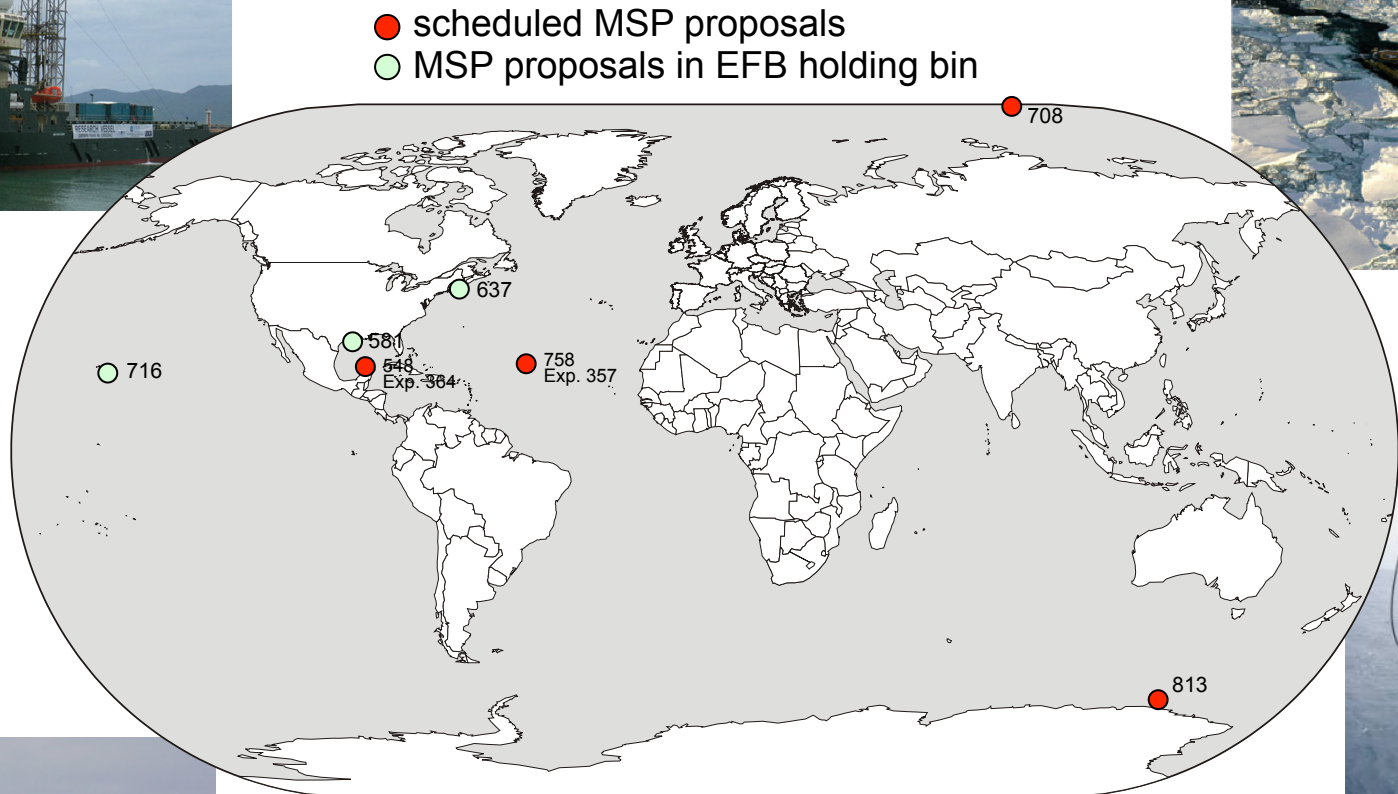
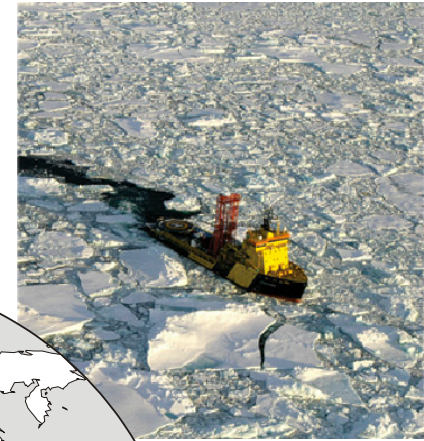
New Chair and Vice-Chair starting 1 Jan 2016:

Chair: Gilles Lericolais (France) Vice-Chair: Dominique Weis (Canada)

Next EFB meeting:

15-16 June 2016 in Brussels (Belgium)

Mission-Specific Platform (MSP) proposals at EFB



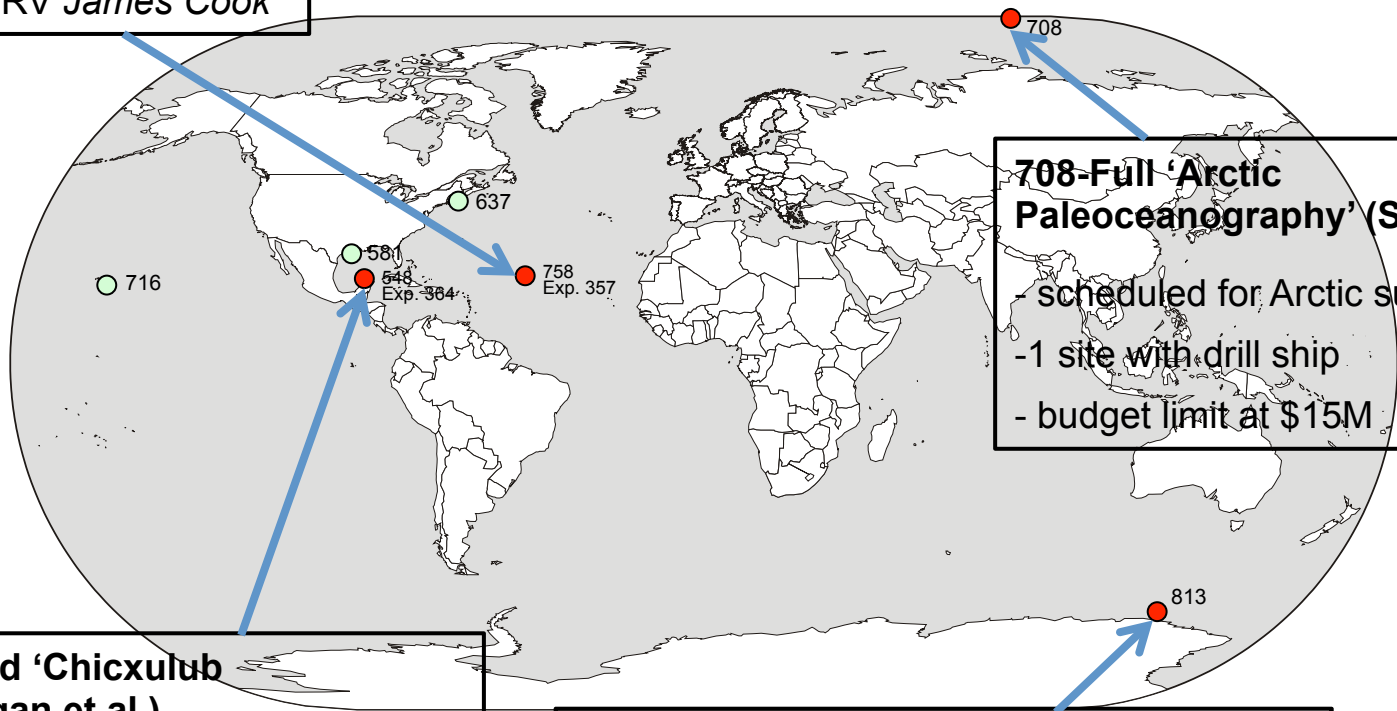
Mission-Specific Platform (MSP) proposals at EFB

- **scheduled** -

758-Full2 'Atlantis Massif' (Früh-Green et al.)

- **Exp. 357** in Oct-Nov 2015
- 10 drill sites with MeBo70 and RockDrill-2 on RV *James Cook*

- scheduled MSP proposals
- MSP proposals in EFB holding bin



708-Full 'Arctic Paleoceanography' (Stein et al.)

- scheduled for Arctic summer 2018
- 1 site with drill ship
- budget limit at \$15M

548-Full3-Add 'Chicxulub Crater' (Morgan et al.)

- **Exp. 364** in early 2016
- 1 drill hole to 1500 m penetration; jack-up drill
- budget limit at \$8.5M (plus \$1M from ICDP)

813-Full-Add 'Antarctic Paleoclimate' (Williams et al.)

- scheduled for early 2018 (2017 was not possible due to unavailable icebreaker)
- 8 sites with RockDrill-2 on RV *N/B Palmer*
- budget limit at \$9M

Mission-Specific Platform (MSP) proposals at EFB

- EFB holding bin -

637-Full2 'New England Shelf Hydrogeology' (Person et al.)

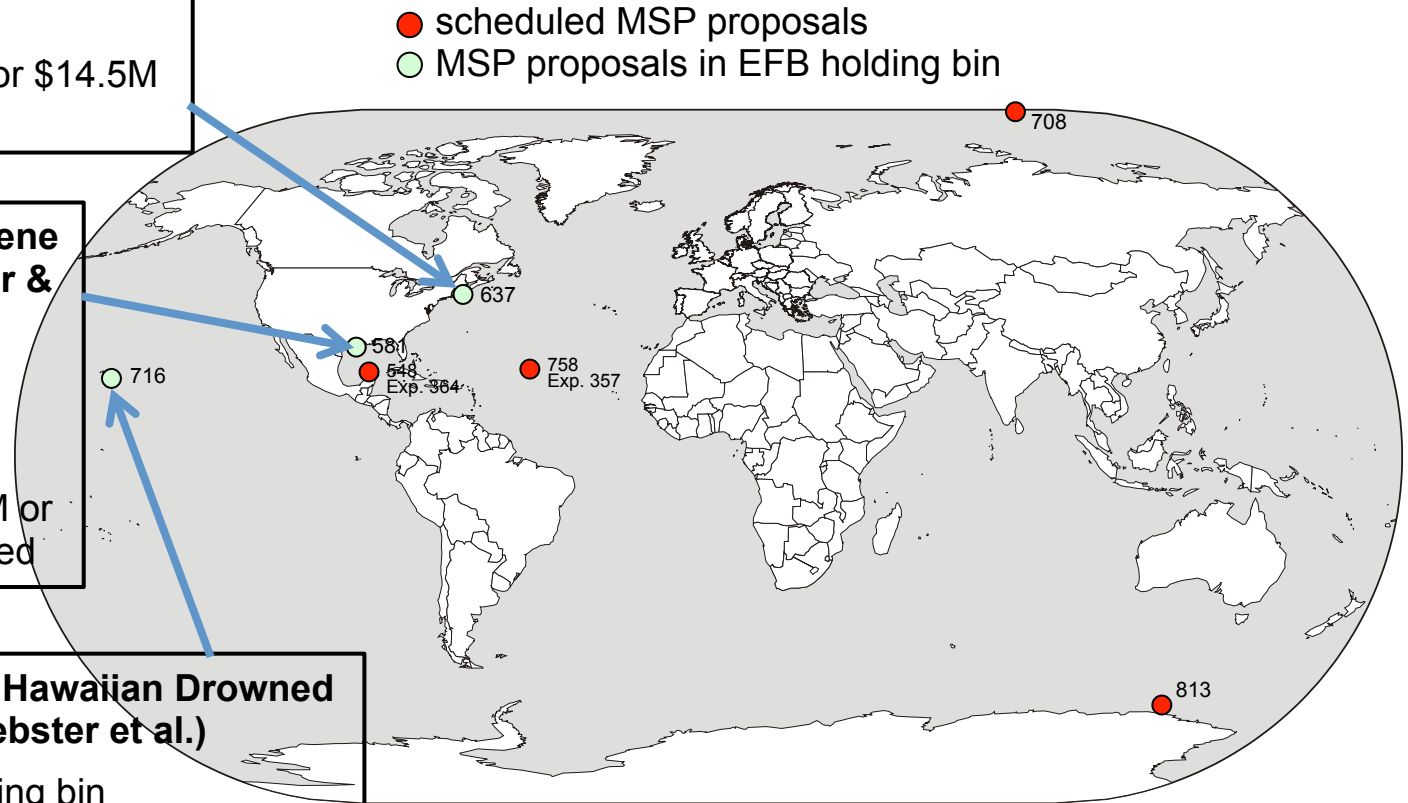
- EFB holding bin
- lift boat, jack-up
- cost estimate: ca. \$32 or \$14.5M if only 2 holes at 3 sites

581-Full2 'Late Pleistocene Coralgall Banks' (Droxler & Sager)

- EFB holding bin
- geotech rig, seabed drill
- cost estimate: ca. \$7.1M or \$2.9M if MeBo/RD2 is used

716-Full2 'Hawaiian Drowned Reefs' (Webster et al.)

- EFB holding bin
- geotech drill or MeBo200
- cost estimate: ca. \$10.5M or \$4M if MeBo200 is used



ECORD Facility Board: Schedule of MSP expeditions

2015	2016	2017	2018	2019	2020	2021	2022	2023
758 (Exp. 357) Atlantis M. MeBo & RD-II LC	548 (Exp. 364) Chicxulub jack-up MC	none (? LC)	813 Antarctic RD-II LC-MC 708 Arctic drill ship HC	N.N. LC	N.N. LC seabed drill	N.N. MC	N.N. LC seabed drill	N.N. HC

LC = low-cost (<\$8M)

MC = mid-cost (\$8-15M)

HC = high-cost (>\$15M)

- MeBo70 & 200 are reserved for 2020 and 2022
- Reservation for RockDrill-2 has been requested
- Aiming for research vessels as in-kind contribution (IKC) for seabed drill and long-piston coring systems

Summary of MSP proposals at SEP

Status: Sept 2015

order is according to relative maturity (top is more mature than bottom)

Proposal	Short Title	Proponent	Country	Ocean	Drill Platform	Status at SEP
879-Full	Corinth Active Rift Development	McNeill	UK	Mediterr.	drill ship	07/15: SEP holding bin
730-Full	Sabine Bank Sea Level	Taylor	USA	Pacific	MeBo200	07/15: external review
852-CPP	North Sea GlaciStore	Stewart	USA	Atlantic	drill rig	07/15: revise
796-ADP	NADIR Nice Amphib. Drilling	Kopf	Germany	Mediterr.	geotech rig;	07/15: revise
866-Pre	Japan Trench Paleoseismology	Strasser	Switzerl.	Pacific	long-piston coring	01/15: submit full prop.
863-MDP	ISOLAT S-Ocean Paleoclimate	Peterson	USA	Southern	long-piston coring	06/14: submit daughter prop.
812-Pre	Ross Sea Glacial History	Wilson	USA	Southern	seabed drill	12/12: submit full prop.
806-Pre	Beaufort Gas Hydrate	Paull	USA	Arctic	geotech rig	05/12: submit full prop. or MDP with 797
797-Pre	Alaska Beaufort Margin	Ruppel	USA	Arctic	drill rig (or JR)	05/12: submit full prop. or MDP with 806
756-Pre	Arctic Ocean Exit Gateway	Jakobsson	Sweden	Arctic	drill ship (JR?)	12/11: submit full prop.