

Prossima attivita' delle navi e arrivo della JOIDES Resolution in Nord Atlantico

*Andrea Argnani
ISMAR- CNR
Bologna*

Italian ESSAC Delegate

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JOIDES Resolution

Ship: 143 m long and 8800 tonne

Crew: 60 + 59 scientists / technicians

Cost: ca. 140 k\$/day

International team - collaborative environment



26 September 2017
JRAW MEETING

Completed Expeditions

*
Italian
particip.

Expeditions	#	Operator	Dates	Ports
South China Sea Tectonics	349	USIO	Jan 26 - Mar 30, 2014	Hong Kong / Keelung
Izu Bonin Mariana: Rear Arc	350	USIO	Mar 30 - May 30, 2014	Keelung / Yokohama
Izu Bonin Mariana: Arc Origins	351	USIO	May 30 - Jul 30, 2014	Yokohama / Yokohama
Izu Bonin Mariana: Forearc	352	USIO	Jul 30 - Sep. 29, 2014	Yokohama / Keelung
Indian Monsoon Rainfall *	353	JRSO	Nov 29, 2014 - Jan 29, 2015	Singapore / Singapore
Bengal Fan	354	JRSO	Jan 29 - Mar 31, 2015	Singapore / Colombo, Sri Lanka
Arabian Sea Monsoon (CPP) *	355	JRSO	Mar 31 - May 31, 2015	Colombo / Mumbai
Indonesian Throughflow	356	JRSO	July 31 - Sept 30, 2015	Freemantle / Darwin
Atlantis Massif Seafloor Processes: Serpentinization and Life *	357	ESO	Oct 26 - Dec 11, 2015	Southampton / Southampton
Maldives Monsoon and Sea Level *	359	JRSO	Sept 30 - Nov 30, 2015	Darwin / Colombo
SW Indian Ridge Lower Crust/Moho *	360	JRSO	Nov 30, 2015 - Jan 30, 2016	Colombo / Port Louis, Mauritius
Southern African Climates and Agulhas Current Density Profile	361	JRSO	Jan 30 - Mar 31, 2016	Port Louis / Cape Town
Transit / Hole U1473 Remediation	362T	JRSO	July 4 - Aug 6, 2016	Cape Town / Colombo
Sumatra Seismogenic Zone	362	JRSO	Aug 6 - Oct 6, 2016	Colombo / Singapore
Western Pacific Warm Pool	363	JRSO	Oct 6 - Dec 8, 2016	Singapore / Guam
Chicxulub K-T Impact Crater	364	ESO	April 5 - May 31, 2016	Progreso, Mexico
NanTroSEIZE Shallow Megasplay Long-Term Borehole Monitoring System	365	CDEX	Mar 26 - Apr 27, 2016	Shimizu / Shimizu
Mariana Convergent Margin	366	JRSO	Dec 8, 2016 - Feb 7, 2017	Guam / Hong Kong
South China Sea Rifted Margin A *	367	JRSO	Feb 7 - April 9, 2017	Hong Kong / Hong Kong
South China Sea Rifted Margin B *	368	JRSO	April 9 - June 11, 2017	Hong Kong / Shanghai
Australia Cretaceous Climate and Tectonics *	369	JRSO	Sep 26 - Nov 26, 2017	Hobart / Fremantle
Temperature Limit of the Deep Biosphere off Muroto	370	CDEX	Sept 10 - Nov 10, 2016	Shimizu / Kochi
Tasman Frontier Subduction Initiation and Paleogene Climate *	371	JRSO	July 27 - Sept 26, 2017	Townsville / Hobart
Creeping Gas Hydrate Slides and Hikurangi LWD	372	JRSO	Nov 26, 2017 - Jan 4, 2018	Fremantle / Lyttelton
Corinth Active Rift Development	381	ESO	Oct 23 - Dec 18, 2017 (offshore)	Corinth / Corinth

Single Global Circumnavigation

JRFB 1705 Consensus Statement 8

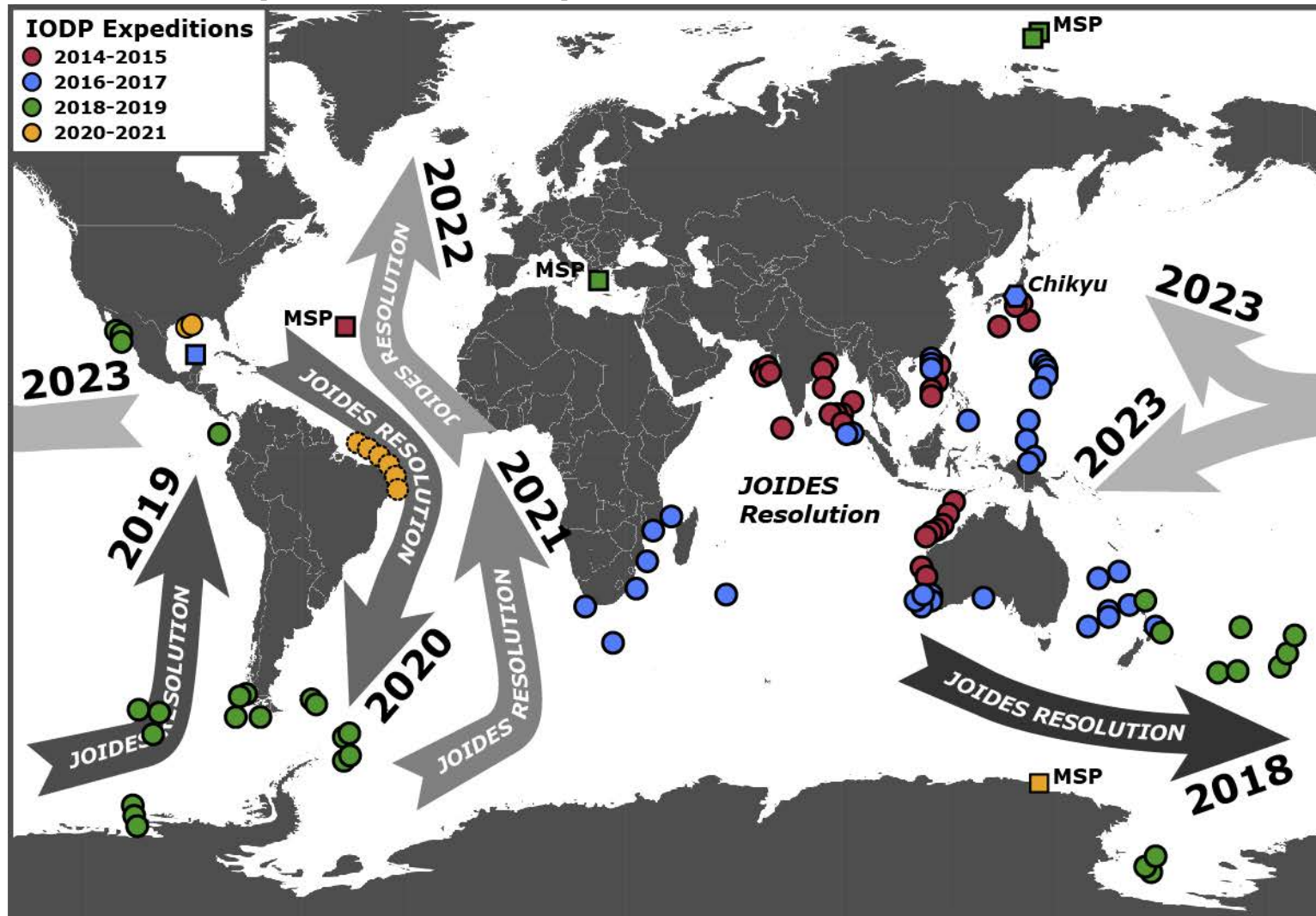
The JRFB reaffirms that the JOIDES Resolution will fulfill at least a *single global circumnavigation* ... by 2023.

JRFB 1705 Consensus Statement 9

The JRFB expects that the JOIDES Resolution will complete its global circumnavigation *in the Indo-Pacific in FY'23*

Long-Term JR Cruise Track

UPDATED MAP (CALENDAR YEARS) FOLLOWING JRFB MEETING OF MAY 2017



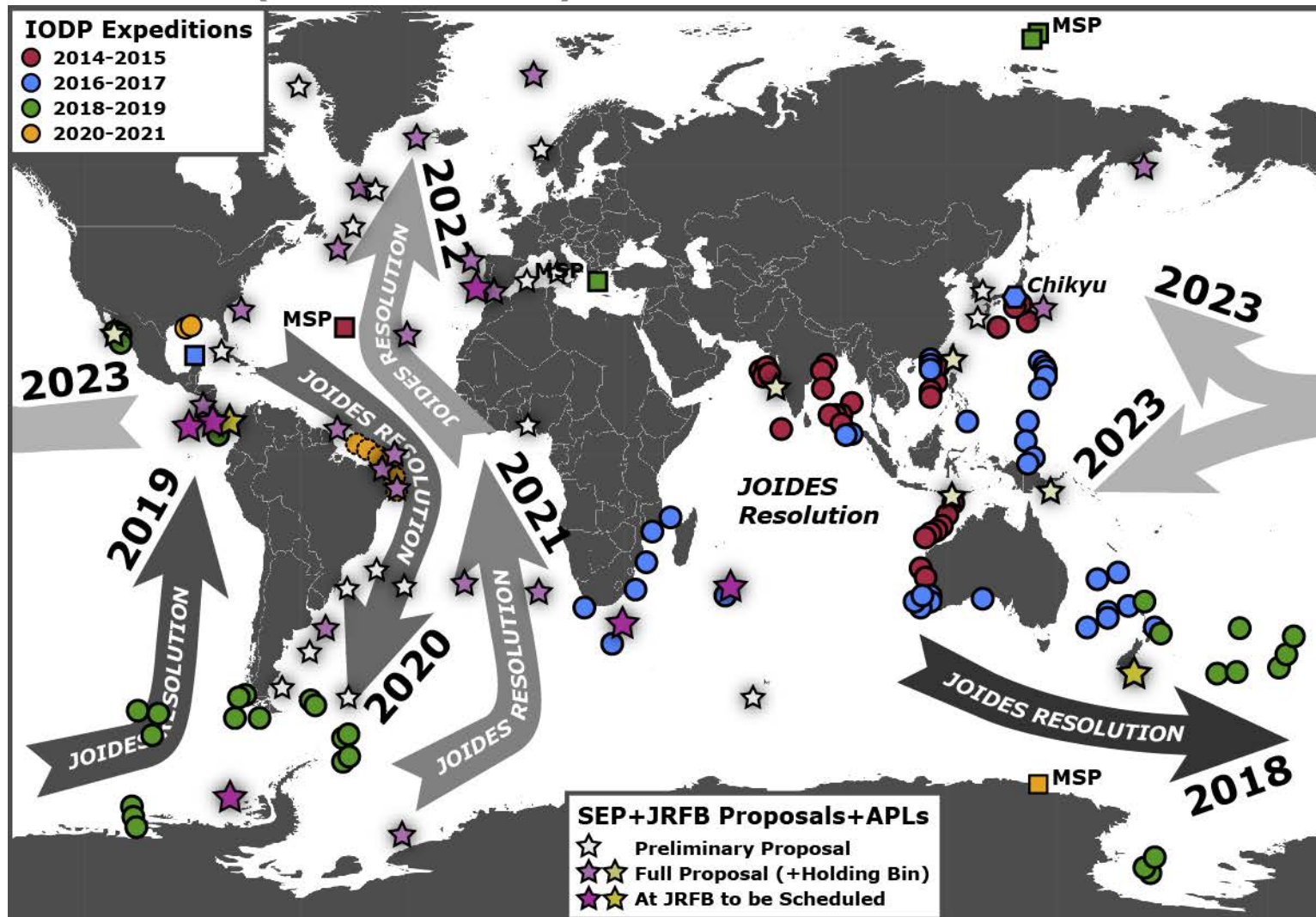
New JR Schedule FY'19-20

Expedition name	#	Dates	Ports	Operator
Ross Sea West Antarctic Ice Sheet History	374	Jan 4 - Mar 8, 2018	Lyttelton / Lyttelton	JRSO
NanTroSEIZE Frontal Thrust Borehole Monitoring System	380	Jan 12 - Feb 24, 2018	Shimizu / Shimizu	CDEX
Hikurangi Subduction Margin Observatory	375	Mar 8 - May 5, 2018	Lyttelton / Auckland	JRSO
Brothers Arc Flux	376	May 5 - July 5, 2018	Auckland / Auckland	JRSO
Arctic Ocean Paleoceanography	377	CANCELLED	TBD	ESO
South Pacific Paleogene Climate	378	Oct 14 - Dec 14, 2018	Lyttelton / Papeete	JRSO
NanTroSEIZE: Plate Boundary Deep Riser 4	358	Oct 7, 2018 - March 21, 2019	Shimizu / Shimizu	CDEX
Amundsen Sea West Antarctic Ice Sheet History	379	Jan 18 - Mar 20, 2019	Punta Arenas / Punta Arenas	JRSO
Iceberg Alley Paleoceanography & South Falkland Slope Drift	382	March 20 - May 20, 2019	TBD	JRSO
Dynamics of Pacific Antarctic Circumpolar Current	383	May - July 2019	TBD	JRSO
Panama Basin Crustal Architecture (504B) and Engineering Testing	384	July - September 2019	TBD	JRSO
Guaymas Basin Tectonics and Biosphere	385	September - November 2019	TBD	JRSO
Gulf of Mexico Methane Hydrate *	386	January - March 2020	TBD	JRSO
South Atlantic Expedition TBD	387	March - May 2020	TBD	JRSO
Antarctic Cenozoic Paleoclimate	373	winter 2020 - 2021 (earliest)	Hobart (provisional)	ESO

* Complementary Project Proposal (CPP): proposal with a commitment from a third-party source for a substantial amount of financial support.

Proposal Pressure

UPDATED MAP (CALENDAR YEARS) FOLLOWING JRFB MEETING OF MAY 2017



Mission Specific Platforms

MSPs are IODP platforms especially chosen to fulfil particular scientific objectives.

ESO (ECORD Science Operator), which conducts mission-specific platforms (MSPs) for the IODP has carried out **seven expeditions** since 2003.

Due to the specific management, **scientists selected for MSP expeditions need to have a flexible approach to their timing and participation.**

Current MSP expedition schedule

2013-14	2015	2016	2017	2018	2019	2020	2021	2022	2023
347 Baltic Drillship	357 Atlantis Seabed drills (MeBo & RD-II)	364 Chicxulub Lift boat (L/B Myrtle)	381 Corinth Drillship	No expedition ?	N.N. ?	N.N. ?	373 Antarctic Seabed drill (RD-II) ?	N.N. Seabed drill? (MeBo)	N.N.
	\$ IKC	\$ \$	\$ \$		\$	\$	\$ \$	\$	\$ \$ / \$ \$ \$

EXPEDITION 373 ANTARCTIC CENOZOIC PALEOCLIMATE

Expedition 373, based on Proposal 813, addresses questions about climatic changes – from greenhouse to icehouse (Eocene to Oligocene) – of the Antarctica as well as timing and environmental conditions of the ice sheets during the Oligocene.

Expedition is postponed to winter 2020-2021 (offshore)

EXPEDITION 377 ARCTIC OCEAN PALEOCEANOGRAPHY (ArcOP)

Expedition 377 ArcOP, based on Proposal 708, aims at recovering a continuous stratigraphic record of the long-term Cenozoic climate history of the central Arctic Ocean.

Expedition is cancelled – potential rescheduling to be announced

Mediterranean Active Proposals

Type	Short Title	Lead Proponent	Platform	Stage
ADP	NADIR Nice Amphibious	A. Kopf	MPS	SEP
MDP2	DREAM Med Salt Giant	A. Camerlenghi	JR/Chikyu	SEP
Pre	DREAM Balearic	J. Lofi	JR	SEP
Pre	Med-Atlantic Gateway Exchange	R. Flecker	JR	SEP



Mediterranean drillsites and proposals

