

ECORD Council – ESSAC Meeting #3

MEXT Update

Eisho Sato

MEXT

Today's Presentation Items

1. Japanese Renewal Plan on IODP
2. JAMSTEC Budget Allocation Change since FY2011
3. Issues to be discuss with ECORD



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

1. Japanese Renewal Plan

- National research organizations are renewed every 5 years term designated by Ministers.
- Current term of JAMSTEC's five-year-plan was started in April 2014, and will close in March 2019 (3rd term).
- By the end of FY 2018, JAMSTEC'S five-year plan will be technically reviewed in the light of Chikyu/IODP operations by the committee that are designated by MEXT.
- Minister of MEXT makes a decision for the renewal.

Contents of the current JAMSTEC's Five-year Plan

1. Focus on fundamental and strategic researches based on general public needs
 1. Research on Marine Resources
 2. Research on global environmental change
 3. Research on seismo-genic zones
 4. Research on life science and technology
 5. Research on leading-edge engineering developments
2. Effective and efficient operation of infrastructures
3. Information sharing and it's management
4. COE of brain circulation and capacity building
5. Create marine science and technology innovations by collaborations with industries and academies



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Review Process in JAMSTEC

- The term of current JAMSTEC's 5-year plan has been started from 2014.
- JAMSTEC evaluates 5-year plan by its own review committee every year and sends report to Minister of MEXT.
- Science and technology achievements of the current term will be reviewed by 2018.
- Financial closing must due by 31 March 2019. No budget shall be carried over between current term and the next term.



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Review Process in MEXT

- National Science Council will be held by FY 2018 and the report of the council will include:
 - Summary of Chikyu scientific operations
 - NanTroSEIZE, JFAST, Okinawa Trough & Shimokita
 - Summary of IODP expeditions
 - JR & MSP
 - Post-NanTroSEIZE project

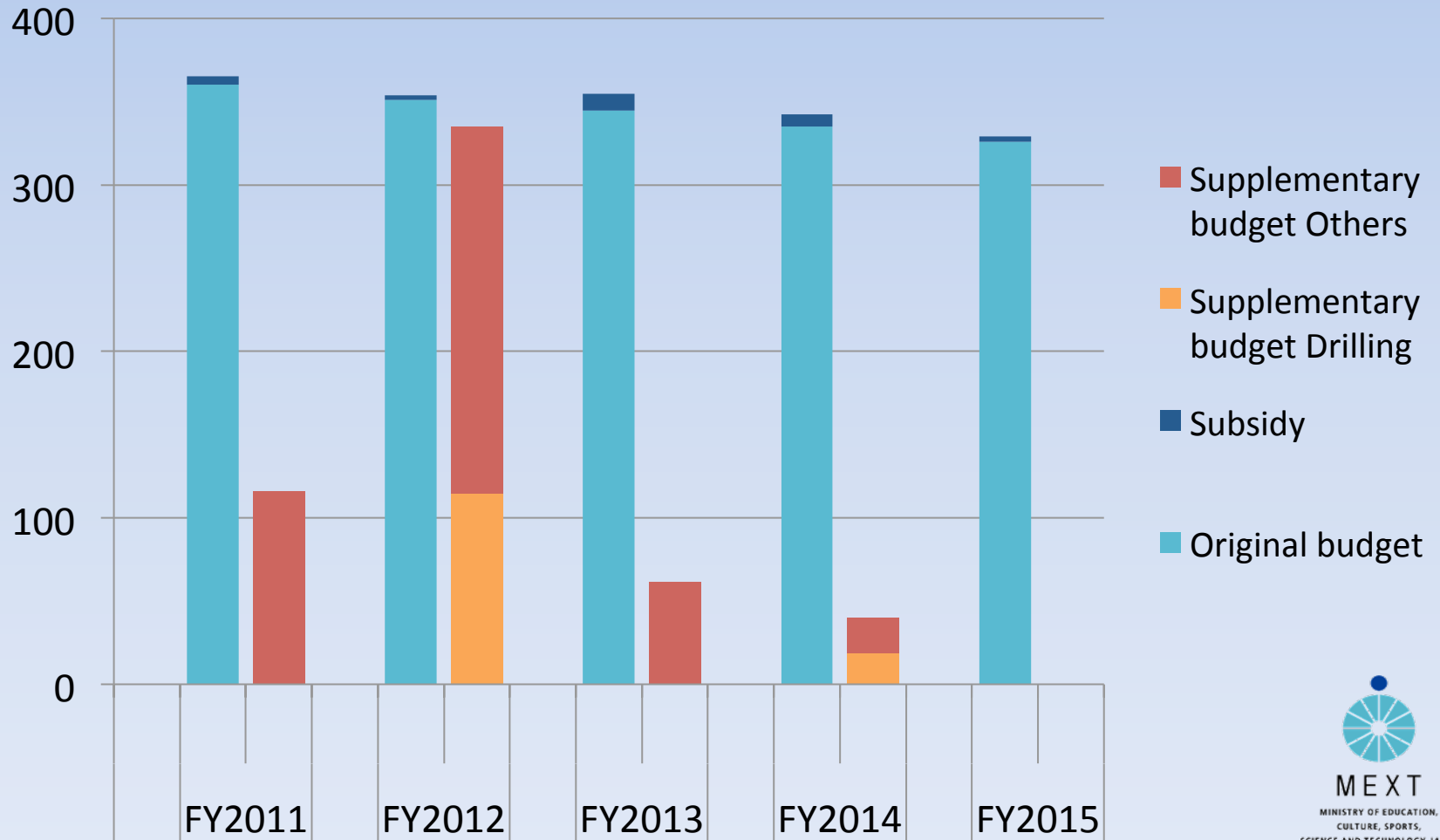


MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

2. JAMSTEC Budget Allocation

(Unit: 100 Mil Yen)



MOF evaluates CHIKYU project

- Ministry of Finance (MOF) is responsible for its budget allocation, and evaluates several sectors every year.
- MOF studied the implementation of *Chikyū* budget in FY2014, and recommended several actions for improvement on contract procedures from financial point of view.



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

After the evaluation by MOF

- In 2015, MOF recommended that MEXT should advise JAMSTEC to:
 - carry out NOT an arbitrary contract BUT open-bid contract between JAMSTEC and Chikyū operator.
 - revise scope of work of the contract between JAMSTEC and Chikyū operator.
 - revise profit sharing between JAMSTEC and Chikyū market promoter.
 - revise insurance cost.



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

3. Issues to be discussed with ECORD



- Efficient facility sharing
 - In case of MSP operation in western Pacific Ocean, JAMSTEC's facilities (ie. R/V Kaimei, Marine Drilling Machine, Long Piston Coring) may have a potential to rent or collaborate with JAMSTEC.
- Funding for the Mediterranean Drilling Project (DREAM)
 - Possibilities to get fund from HORIZON 2020?
 - Collaborations with oil/gas industries.

- Engineering collaboration for deep-water/deep-penetration drilling (for instance in Magellan WS).
 - Develop tough drill pipe and bit.
 - Develop riser/dual gradient system.
 - Develop high temperature tools (logging, coring, drilling fluid, etc).
- Capacity Building Program
 - Exchange young scientists.
 - Offshore/onshore science/engineering school.



MEXT

MINISTRY OF EDUCATION,
CULTURE, SPORTS,
SCIENCE AND TECHNOLOGY-JAPAN

Thank you for your attention.

Eisho Sato

Director for Deep Sea Research

Ocean and Earth Division, Research and Development
Bureau

Ministry of Education, Culture, Sports, Science and
Technology (MEXT)

eishosato@mext.go.jp