

Roles of NME Research associates during Deep Sea Research Cruises



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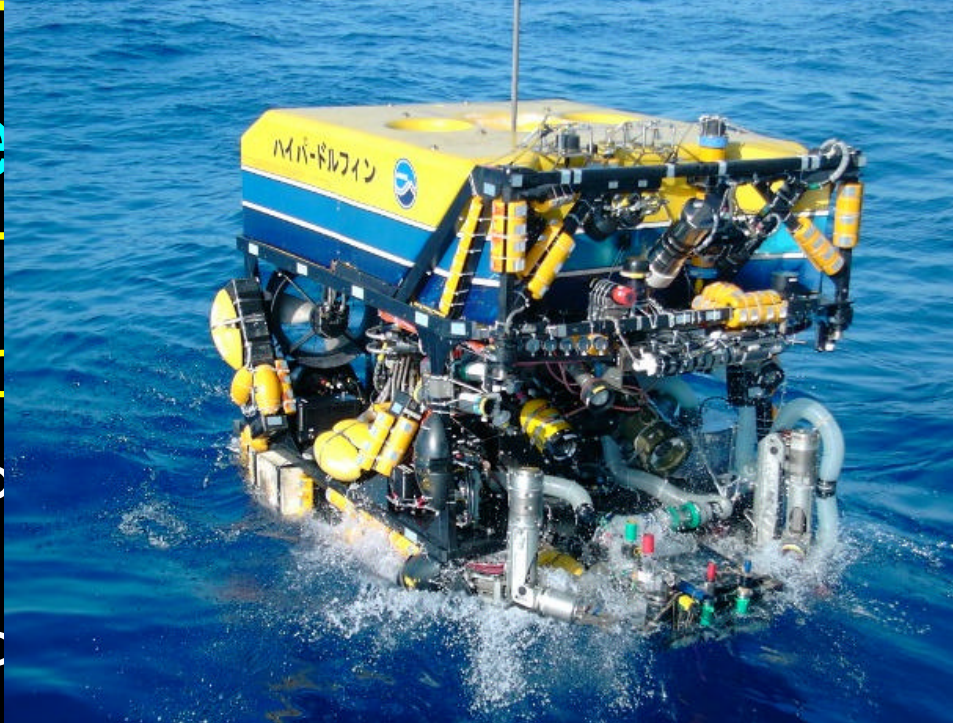
1. Information of marine associates in deep sea research
2. About data inventory file
3. Quality control of various data
4. As a side of research assistant

1. Information of marine associate

search



? De
JAMS
Scienc



ises?
marine-
acts

Q
Q
Q



To



data

All data . . .

1) o



y file

Make all data II

geo-magnetic data, gravity data,
navigational data...



Responsible for management

2. About data inventory file

Inventory file

? Information of all samples and data

Sampling dates, instruments,
purpose, distributions



2. About data inventory file

? List of material sampling by submersibles?

Sample
name

instruments

Date

Sampling
point

Sample name	Instrument	Sampling date(UTC)	Sampling point
Creature Sea anemone	manipulator	2006/9/19 15:25 JST	Lon. : 37-16.362 N
			Lat. : 137-52.374 E
Rock	manipulator	2006/9/19 06:25 UTC	Depth : 800 m
		2006/9/19 15:43 JST	Lon. : 37-16.271 N
			Lat. : 137-52.373 E
Sediment	MBARI corer	2006/9/19 06:43 UTC	Depth : 778 m
		2006/9/19 15:53 JST	Lon. : 37-16.264 N
Water	NISIKIN Sampler		Lat. : 137-52.372 E
		2006/9/19 06:53 UTC	Depth : 774 m
		2006/9/19 16:12 JST	Lon. : 37-16.250 N
			Lat. : 137-52.373 E
		2006/9/19 07:12 UTC	Depth : 774 m

?List of material sampling by submersibles?

Sample name

purpose

person responsible

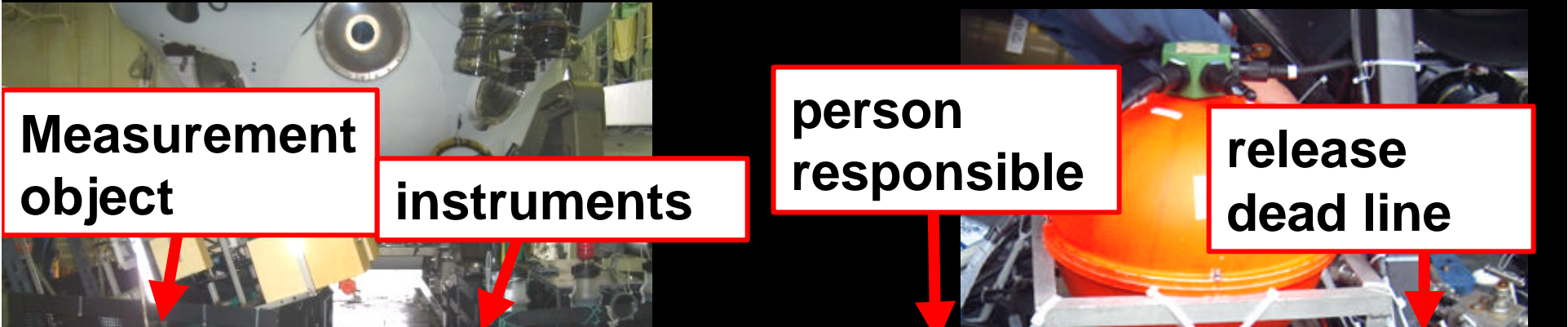
release dead line

Sample name	Purpose	Quality control	Person responsible	Contact adress	Period of priority
Creature Sea anemone	breeding	Non	Mitugu Kitada	kitada@enosui.com	Immediately disembark
Rock	make registry	Non	Takuya Maekawa	m0540409@ems.u-toyama.ac.jp	3 years
Sediment	chemical analysis	Report reference	Jun Kadokai	urumu@ep.sci.hokudai.ac.jp	3 years
Water	chemical analysis	Report reference	Jun Kadokai	urumu@ep.sci.hokudai.ac.jp	3 years

**Specifi
cations**

**Contact
address**

? List of instruments prepared by scientists ?



Measurement object	equipment	Quality control	Person responsible	Contact address	Period of priority
Heat flow	SAHF	onshore	Yuka Masaki	yuka5n@jamstec.go.jp	3 years
Subseafloor structure	Sub-bottom profiler	onshore	Hisashi Oiwane	oiwane@ori.u-tokyo.ac.jp	3 years
Subseafloor structure	Sub-bottom profiler	onshore	Kishimoto Kiyoyuki	kiyo.kishimoto@aist.go.jp	3 years
obtaining water	WHATS II	Report reference	Jun Kadokai	urumu@ep.sci.hokudai.ac.jp	3 years



? List of results by "SHINKAI6500"?

Name		Signal	Media Format	Work or No.	Working
Name		Signal	Distribution Media Format	Distribution Media Format	Distribution Media Format
SHINKAI6500	#1TV Camera	Digital NTSC	Hiroshi Kitaza	Kantaro Hujioka	
			VHS	mini-DV	
	SP	SP			
	#2TV Camera	Digital NTSC	Hiroshi Kitaza	Kantaro Huji	
VHS			mini-DV		
SP	SP				
Dive log		ASC II	■		06/08/21~06/08/24

Media format

Working period

distribution

Signal output

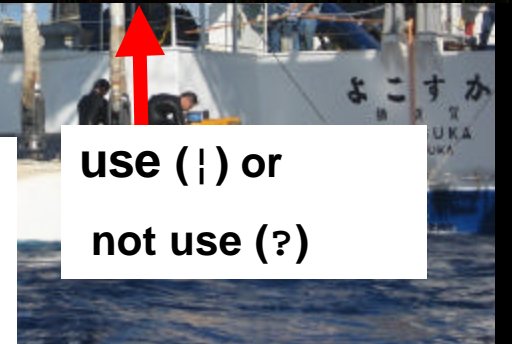
name, format, mode

TV Camera, Digital Camera, Ship tracking sheet, CTD Data...



Video cassette, jpeg, ASC?, paper...

use (!) or not use (?)



3. Quality control of various data

simple treatment by scientist's requisition

examples

1 : CTD (submersibles equipments) data processing

2 : Positioning (acoustic navigation) data processing

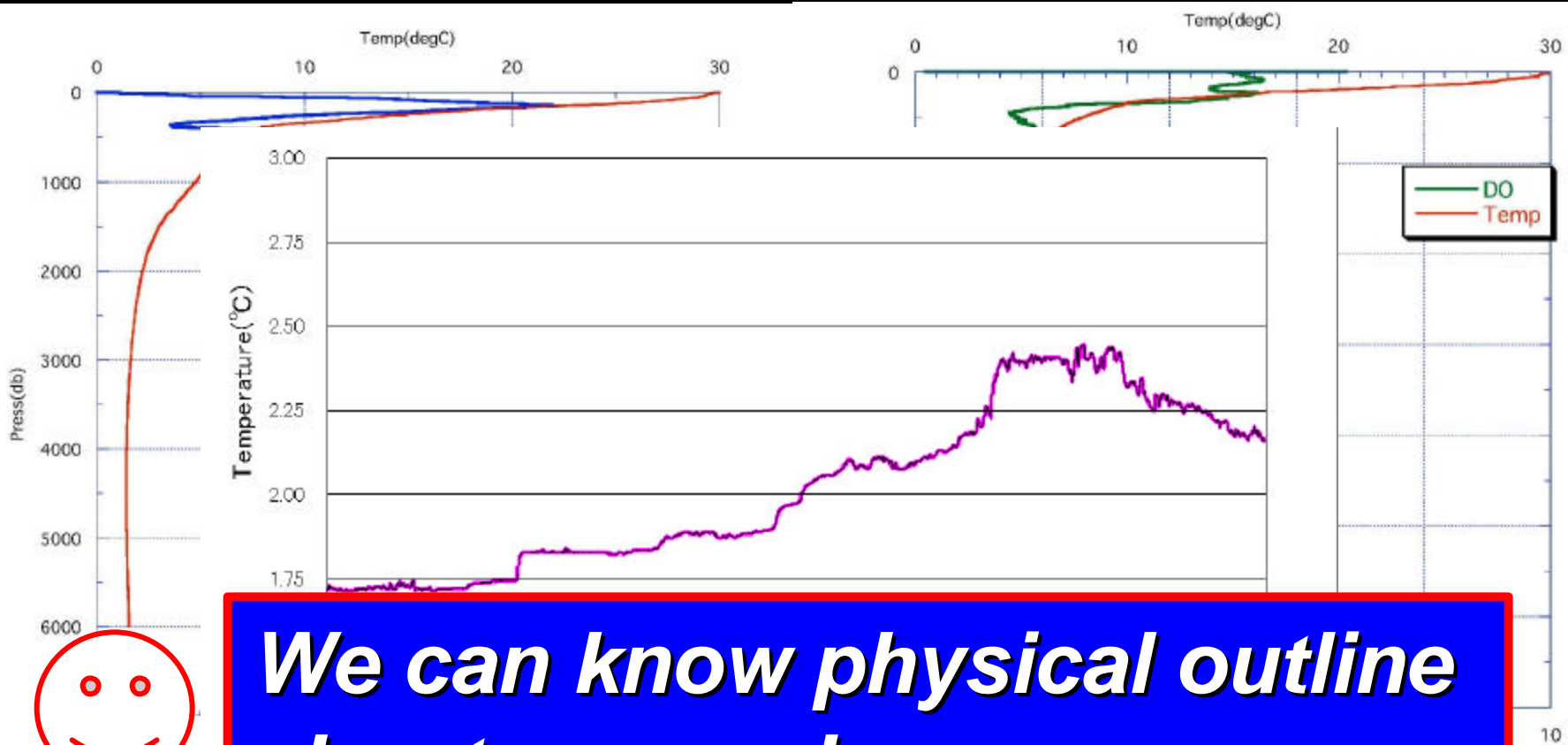
3 : Multibeam data processing

3. Quality control of various data

1 : CTD (submersibles equipments) data

processing

? vertical profile (Temp., Sal., DO...)



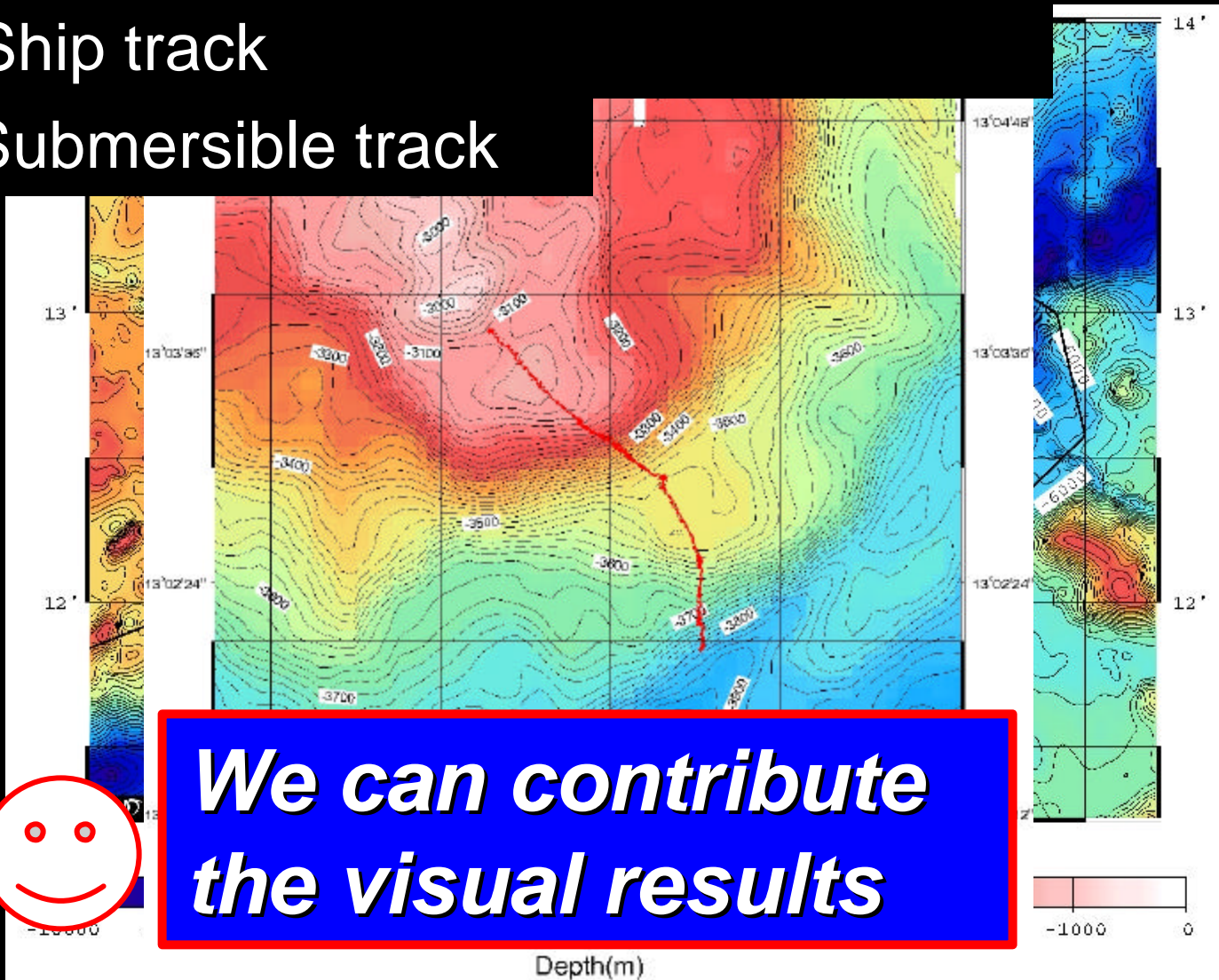
We can know physical outline about research area

3. Quality control of various data

2: Positioning (acoustic navigation) data processing

? Ship track

? Submersible track



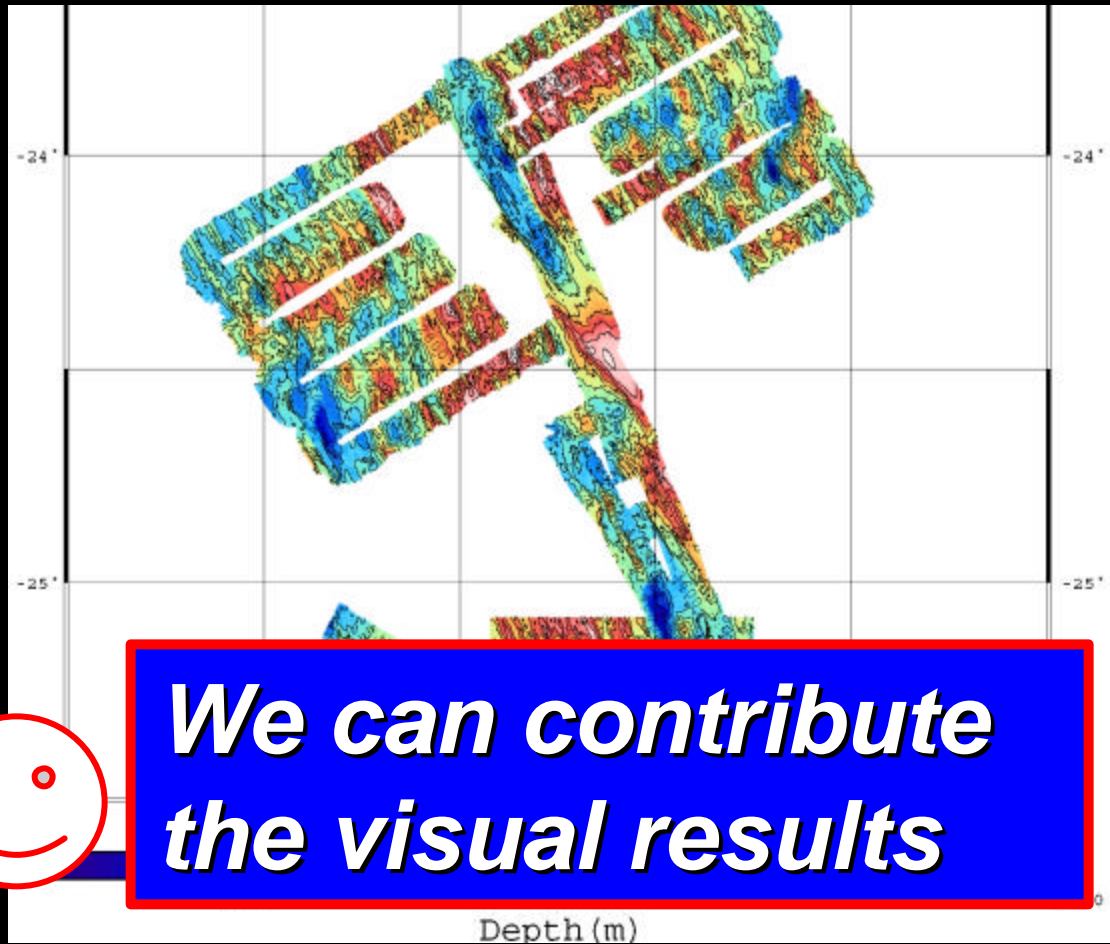
**We can contribute
the visual results**

Depth(m)

3. Quality control of various data

3 : Multibeam data processing

?make a grid data from raw data



4. As a side of research assistant

Assistant for onboard experiments



We can help for scientific works

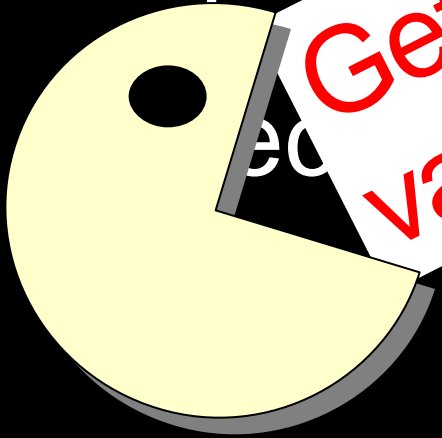
Finally...

Provide High quality

response

Get on various ability for
various service

ecological, situations, scientists...



See you next time!!

? Please ask me for your cruise??

Satoshi Okada

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Nippon Marine Enterprises, Ltd.

