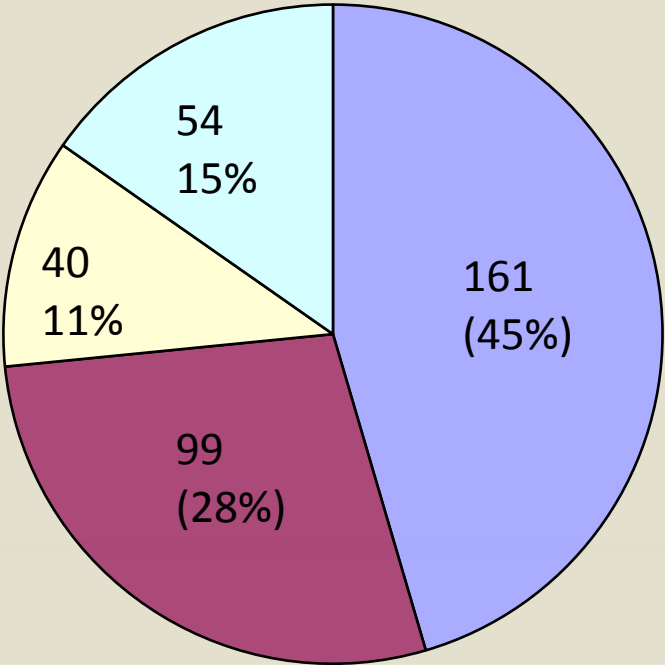


UNOLS Vessel Usage Survey

Responses revisited

Question 1

How many years has it been since completion of your formal education?



- 20+ years
- 10 to 19 years
- 5 to 9 years
- 0 to 4 years

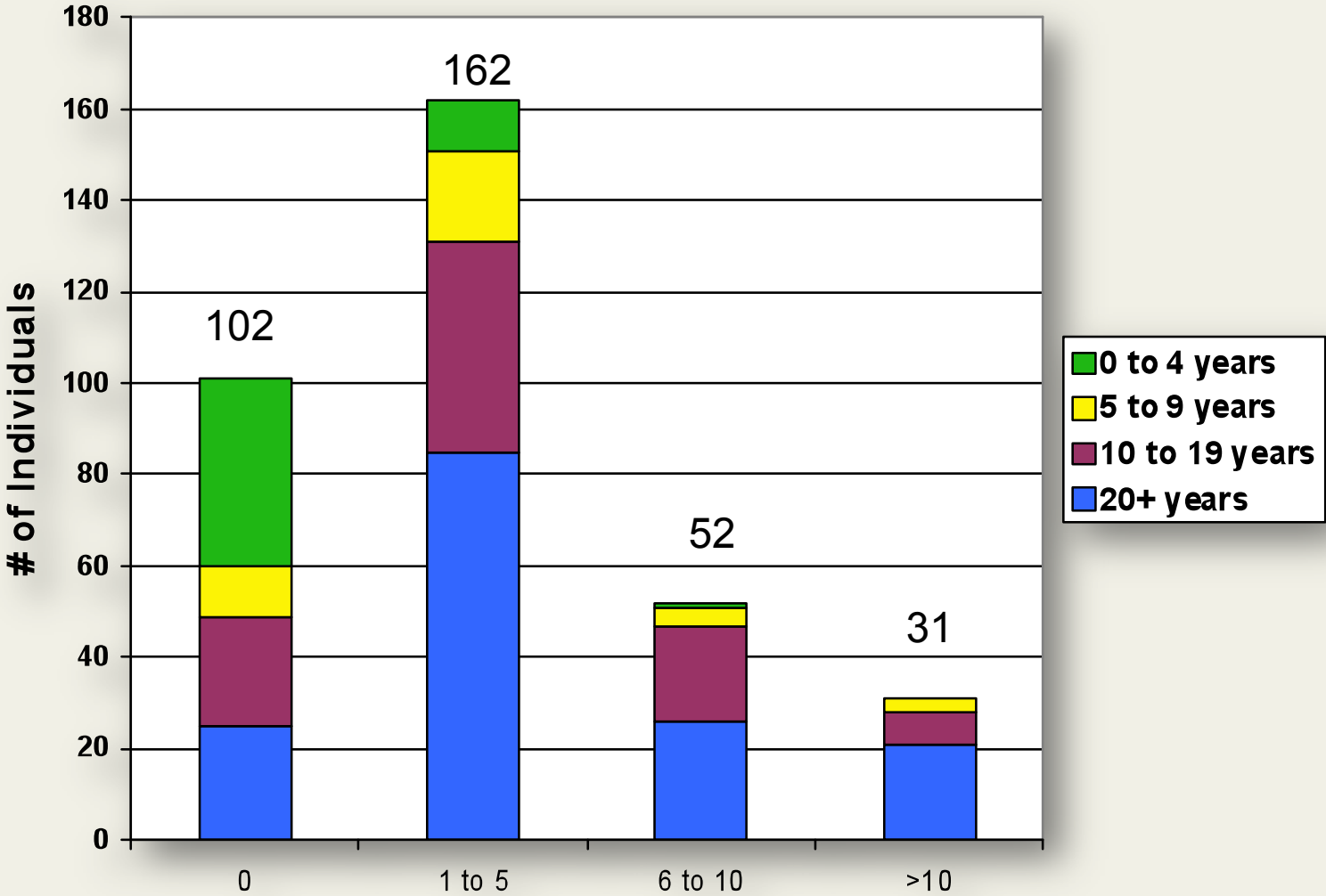
Total = 354

Question 9: What types of UNOLS research vessels do you use?
 1 = most used;
 5 = least used.

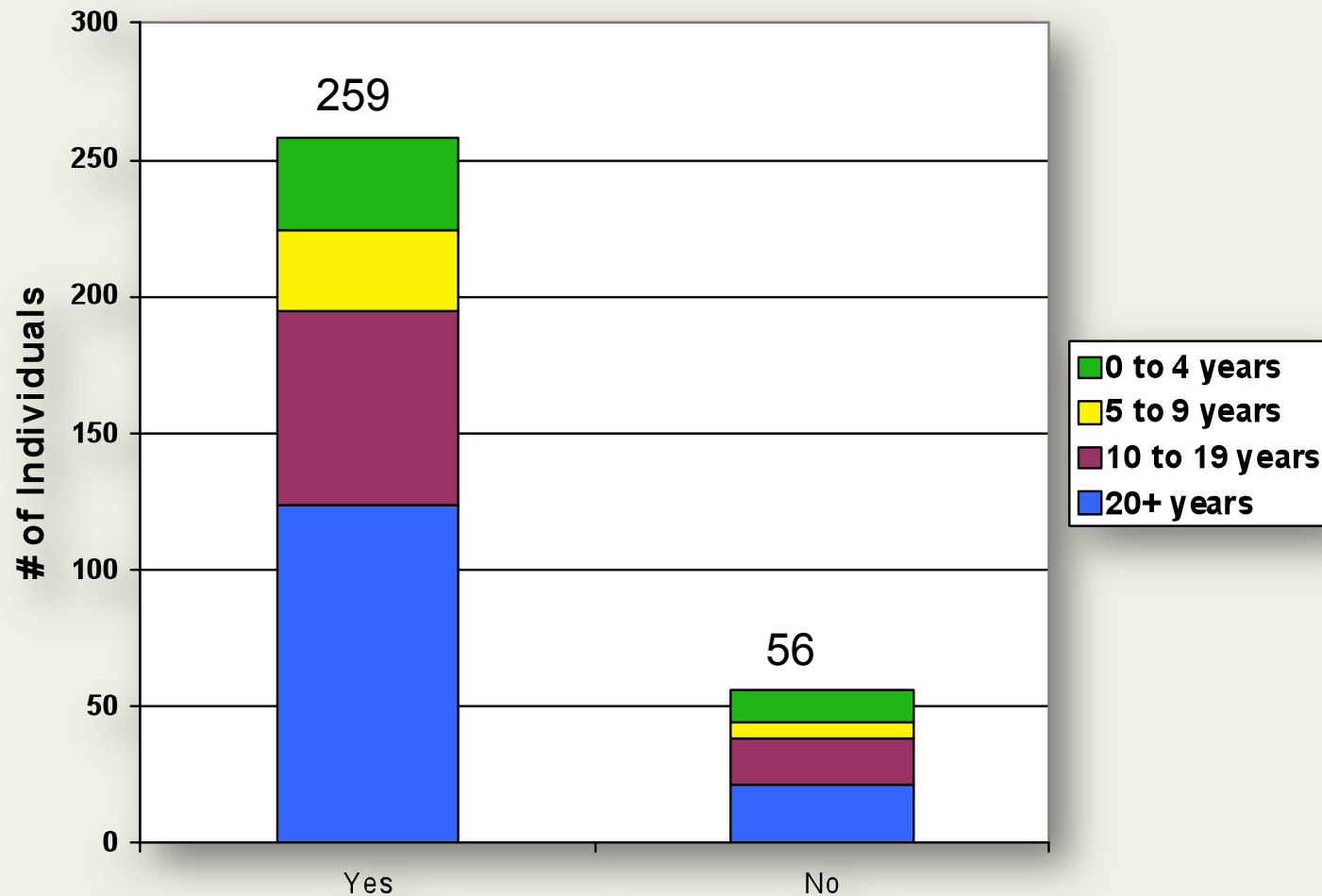
9. What types of UNOLS research vessels do you use? Please prioritize with 1 being the most used for your research and 5 being the least. Items can be given the same priority.

	1	2	3	4	5	Rating Average	Rating Count
Global Class Ships (<i>Atlantis, R. Revelle, Melville, Knorr, Langseth, T.G. Thompson</i>)	58.0% (171)	15.6% (46)	6.1% (18)	7.1% (21)	13.2% (39)	2.02	295
Ocean Class (<i>Kilo Moana</i>)	10.7% (22)	27.8% (57)	8.8% (18)	10.7% (22)	42.0% (86)	3.45	205
Intermediate Class (<i>Endeavor, Oceanus, New Horizon, Wecoma</i>)	21.3% (54)	22.4% (57)	22.0% (56)	7.9% (20)	26.4% (67)	2.96	254
Regional Class (<i>Point Sur, Cape Hatteras, Atlantic Explorer</i>)	14.5% (31)	14.0% (30)	9.3% (20)	11.7% (25)	50.5% (108)	3.70	214
Regional/Coastal Class (<i>Pelican, R. Sproul, Hugh R. Sharp, Walton Smith</i>)	13.7% (28)	11.7% (24)	14.6% (30)	12.7% (26)	47.3% (97)	3.68	205
Local Ships (<i>Savannah, Blue Heron, Barnes</i>)	12.0% (24)	8.0% (16)	12.0% (24)	8.5% (17)	59.5% (119)	3.96	200
Non-UNOLS vessels (Commercial, NOAA, Foreign, etc.)	34.3% (94)	20.4% (56)	12.4% (34)	9.5% (26)	23.4% (64)	2.67	274
None	20.5% (18)	2.3% (2)	4.5% (4)	2.3% (2)	70.5% (62)	4.00	88
answered question							348
skipped question							9

Question 13 - How many times in the last 5 years have you been a PI on a cruise?

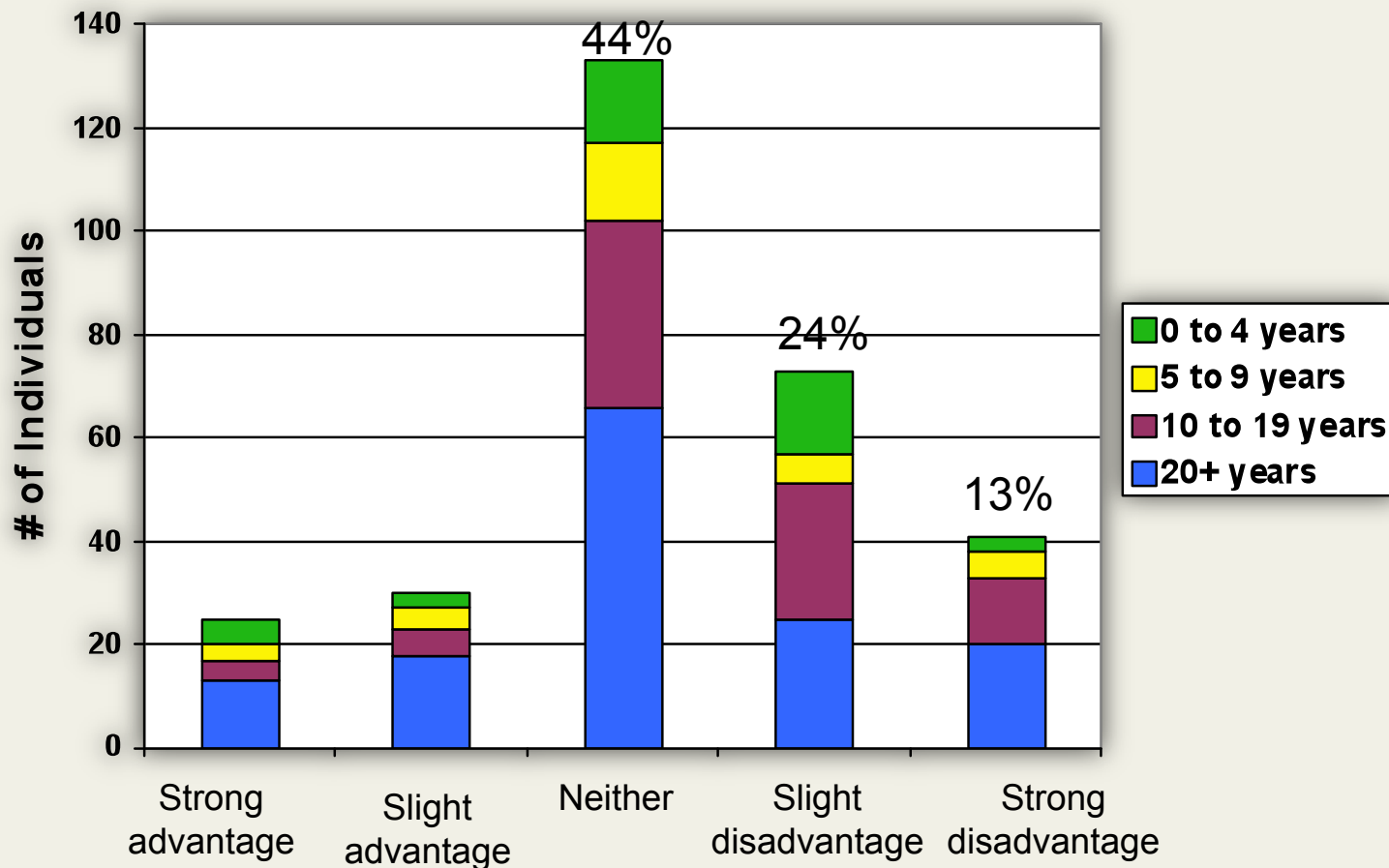


Question 15 - Do you plan to submit a proposal that includes a request for ship time within the next three years?



Answered question: 315, 83% will submit a cruise proposal in the next 3 years.

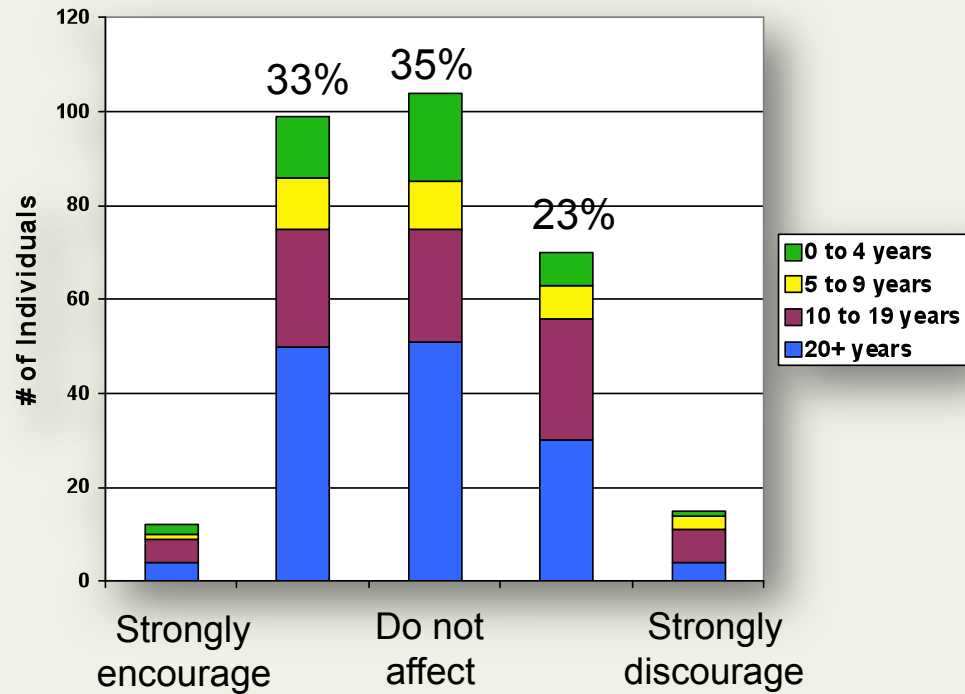
Question 16 - I feel my science proposals _____ compared to my peers because of my use of ships for my research.



Answered question: 303

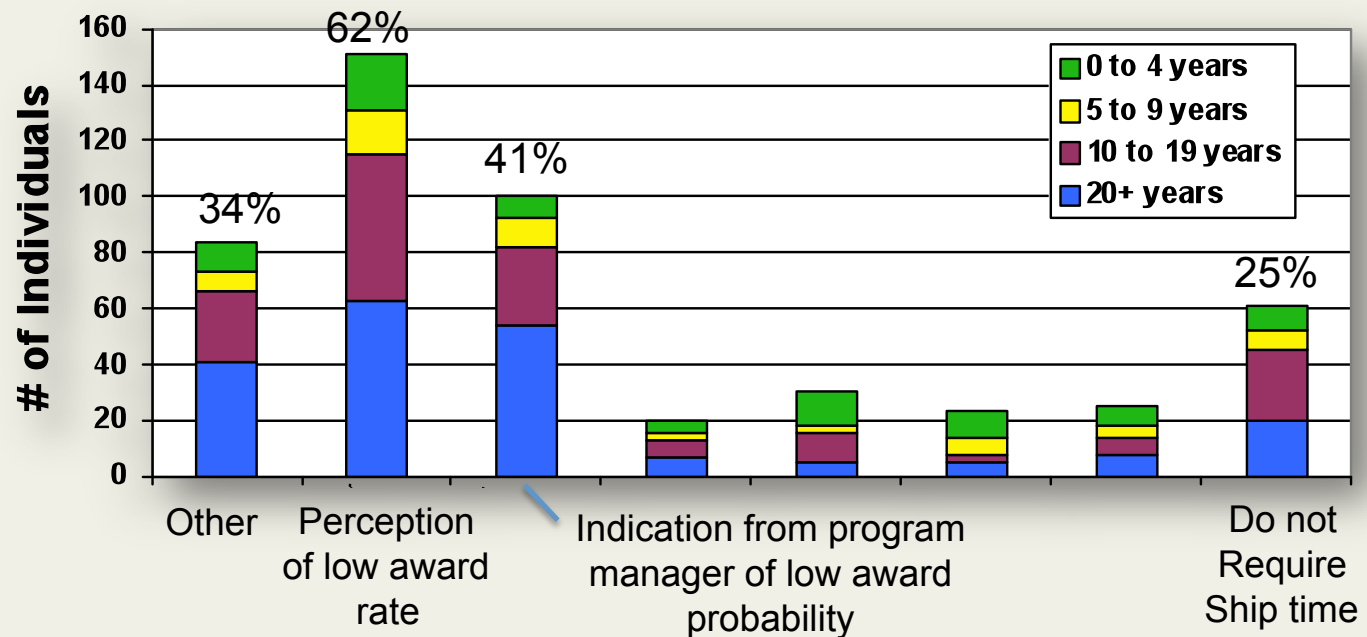
Question 17 - The customs and attitudes of the funding agencies _____ the full use of the available ship resources in my field of research.

Answered question: 301

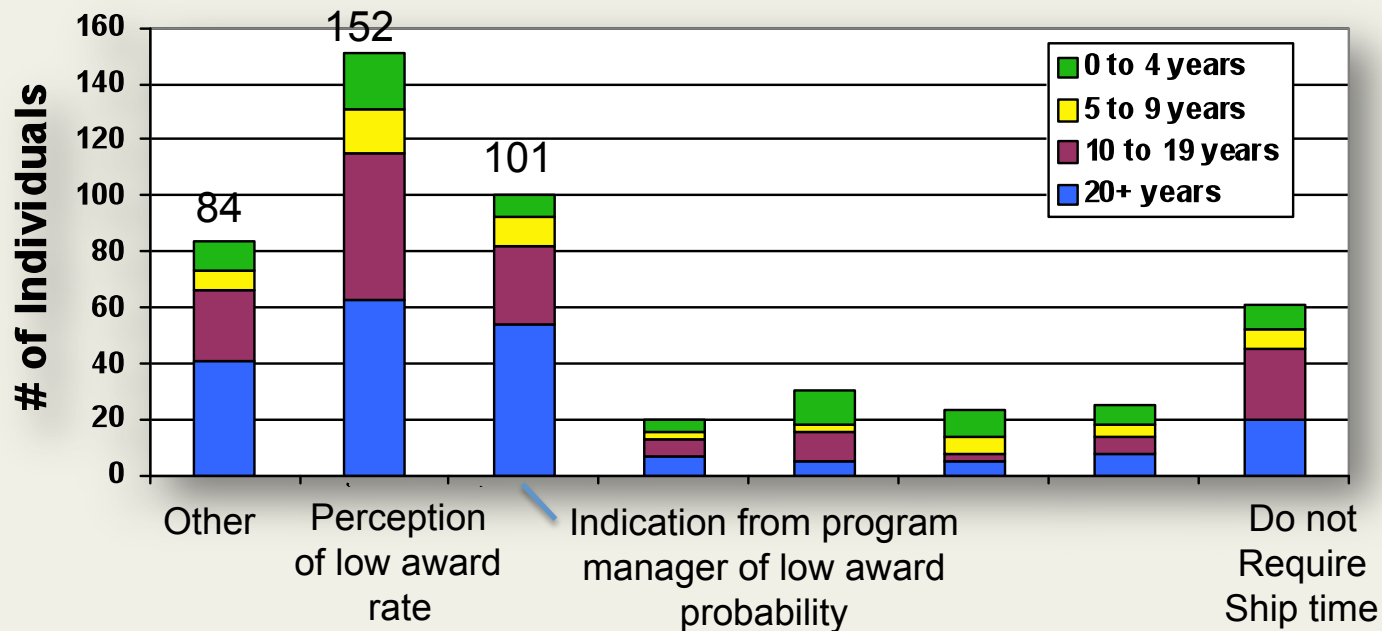


Question 18 – Have you ever been reluctant to submit a ship time proposal for any of the following reasons (check all that apply).

Answered question: 245



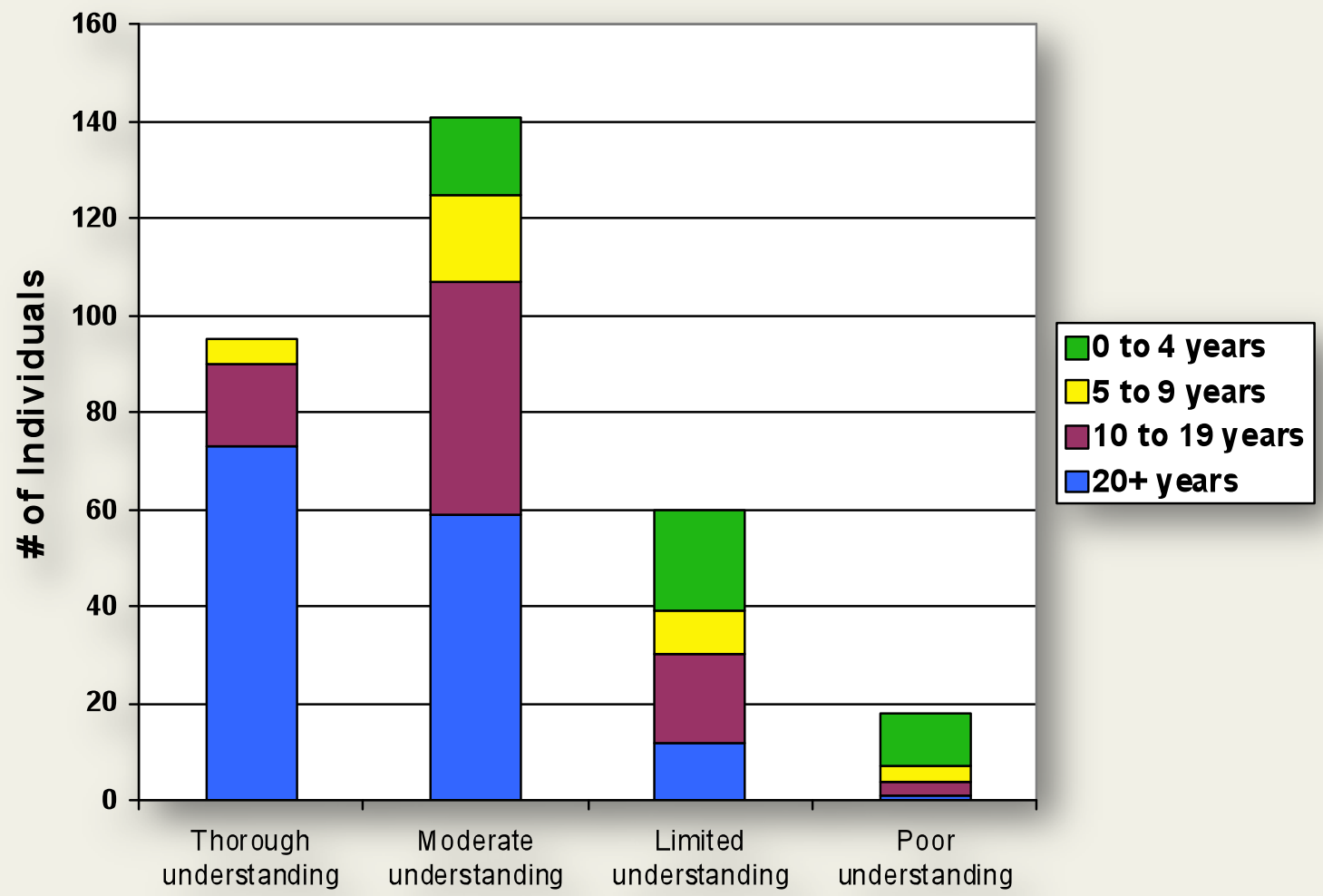
Question 18 – Have you ever been reluctant to submit a ship time proposal for any of the following reasons (check all that apply).



Other: 84 written responses fall into 2 main categories.

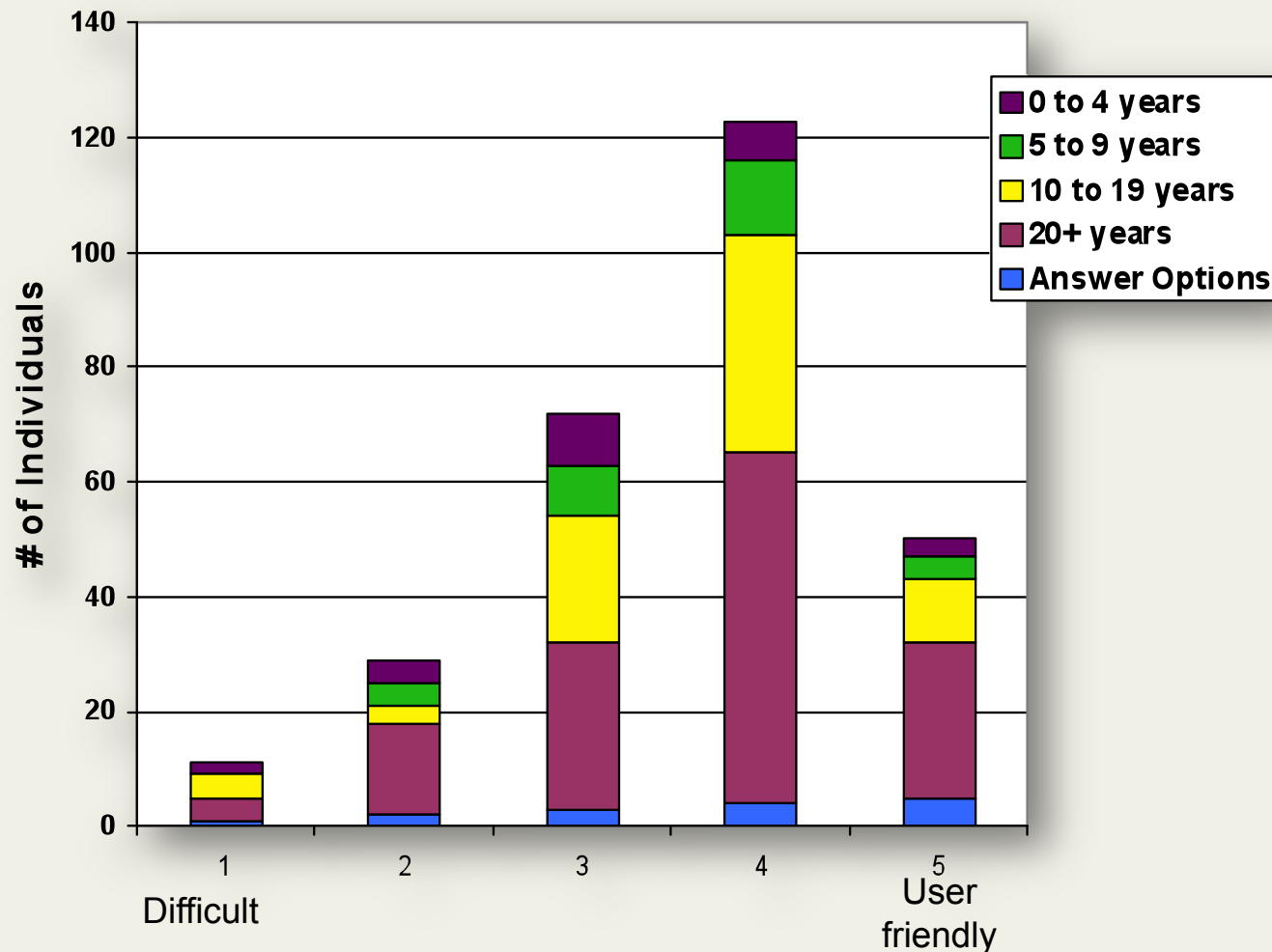
- Limited funding/costs of going to sea/waste of time to write a proposal - **52% (44)**
- Ship issues (e.g., ROIs, clearance, scheduling, tech support) - **23% (19)**
- Too junior/not familiar with UNOLS - 7% (6)
- No problem - 8% (7)
- Miscellaneous - 10% (8)

Question 19 - Rate your knowledge of the UNOLS organization and UNOLS' role in providing access to the Academic Research Fleet.



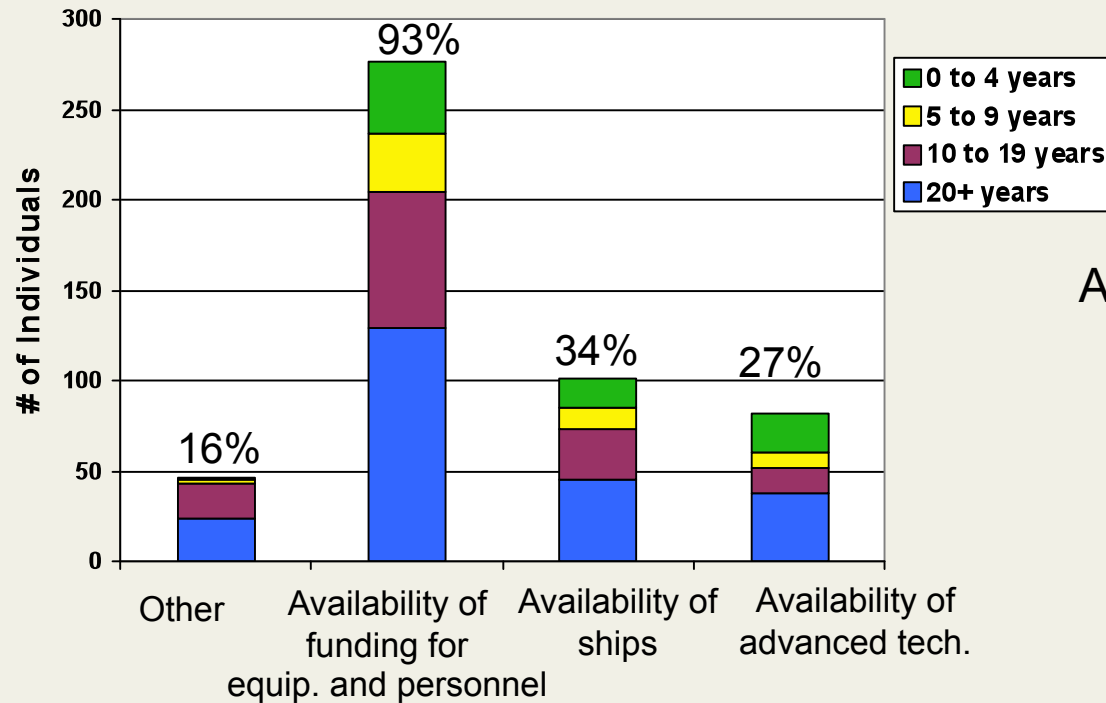
Answered question: 315, 75% of the respondents have thorough to moderate understanding

Question 20 - Describe your experience using the UNOLS Ship Time Request System on a scale of 1 to 5 with one being "Difficult to Use" and 5 being "User Friendly."



Answered question, 271; 86% of respondents rate the ship time request system 3 or above

Question 21 - Which of these factors limit the type of science questions you are able to address today?



Answered question: 302

Written responses: 47 (Other). They fall into 2 main categories

- Costs of going to sea - **34% (16)**
- Equipment and its availability – **30% (14)**
- Ship availability/schedules – 15% (7)
- Personnel/tech support – 13% (6)
- Miscellaneous – 13% (6)

Question 22 -In maintaining and expanding your field research program, you are challenged to locate the resources that you need, raise the funds to secure these resources, and administer the overall program. Please rate the magnitude of the challenge 1-10, with 1 signifying "no problem" and 10 being extremely daunting.

Resource Availability	No problem			Average						Extremely daunting	Response Count
	1	2	3	4	5	6	7	8	9	10	
Shore-side laboratory space	49.4% (116)	17.4% (41)	10.6% (25)	4.7% (11)	7.7% (18)	3.8% (9)	1.7% (4)	3.0% (7)	0.0% (0)	1.7% (4)	235
Shared-use machine shops and lab support facilities	39.0% (90)	14.3% (33)	16.0% (37)	3.9% (9)	11.3% (26)	2.6% (6)	3.5% (8)	4.8% (11)	3.0% (7)	1.7% (4)	231
Dedicated shore-side tech support group	25.1% (58)	7.8% (18)	17.7% (41)	7.8% (18)	13.4% (31)	5.6% (13)	8.7% (20)	4.8% (11)	3.5% (8)	5.6% (13)	231
Access to ships and ship time	14.6% (38)	11.5% (30)	17.7% (46)	10.0% (26)	14.2% (37)	6.5% (17)	7.7% (20)	6.9% (18)	5.4% (14)	5.4% (14)	260
Access to shared-use ship board instruments/facilities (multi-beam, ROVs, isotope ions, etc.)	26.3% (61)	15.5% (36)	14.7% (34)	9.5% (22)	13.8% (32)	4.3% (10)	7.3% (17)	1.7% (4)	3.0% (7)	3.9% (9)	232
Access to at-sea technical support	30.4% (73)	20.0% (48)	16.7% (40)	9.2% (22)	10.8% (26)	3.3% (8)	4.2% (10)	3.3% (8)	0.8% (2)	1.3% (3)	240
Other	6.3% (1)	0.0% (0)	6.3% (1)	0.0% (0)	12.5% (2)	0.0% (0)	6.3% (1)	6.3% (1)	6.3% (1)	56.3% (9)	16

Most respondents indicate average to no problems for locating the resources listed.

Question 22 -In maintaining and expanding your field research program, you are challenged to locate the resources that you need, raise the funds to secure these resources, and administer the overall program. Please rate the magnitude of the challenge 1-10, with 1 signifying "no problem" and 10 being extremely daunting.

Access to support funds											Response Count
No problem 1	2	3	Average				8	9	Extremely daunting 10		
Shore-side laboratory space	14.0% (31)	6.8% (15)	11.7% (26)	7.7% (17)	17.1% (38)	4.1% (9)	8.6% (19)	18.5% (41)	4.5% (10)	7.2% (16)	222
Shared-use machine shops and lab support facilities	12.9% (28)	6.5% (14)	10.1% (22)	10.1% (22)	18.0% (39)	5.5% (12)	10.1% (22)	14.3% (31)	5.5% (12)	6.9% (15)	217
Dedicated shore-side tech support group	8.4% (18)	4.7% (10)	10.7% (23)	6.5% (14)	16.4% (35)	6.1% (13)	8.4% (18)	14.0% (30)	8.4% (18)	16.4% (35)	214
Access to ships and ship time	4.9% (12)	3.7% (9)	5.7% (14)	4.9% (12)	11.8% (29)	4.9% (12)	15.9% (39)	13.9% (34)	13.1% (32)	21.2% (52)	245
Access to shared-use ship board instruments/facilities (multi-beam, ROVs, isotope ions, etc.)	12.5% (27)	8.3% (18)	10.2% (22)	5.6% (12)	18.1% (39)	7.4% (16)	10.6% (23)	7.9% (17)	6.9% (15)	12.5% (27)	216
Access to at-sea technical support	15.5% (34)	10.9% (24)	11.8% (26)	8.6% (19)	15.5% (34)	5.9% (13)	5.5% (12)	11.8% (26)	4.1% (9)	10.5% (23)	220
Other	11.8% (2)	5.9% (1)	0.0% (0)	5.9% (1)	0.0% (0)	0.0% (0)	11.8% (2)	11.8% (2)	5.9% (1)	47.1% (8)	17

Question 22 -In maintaining and expanding your field research program, you are challenged to locate the resources that you need, raise the funds to secure these resources, and administer the overall program. Please rate the magnitude of the challenge 1-10, with 1 signifying "no problem" and 10 being extremely daunting.

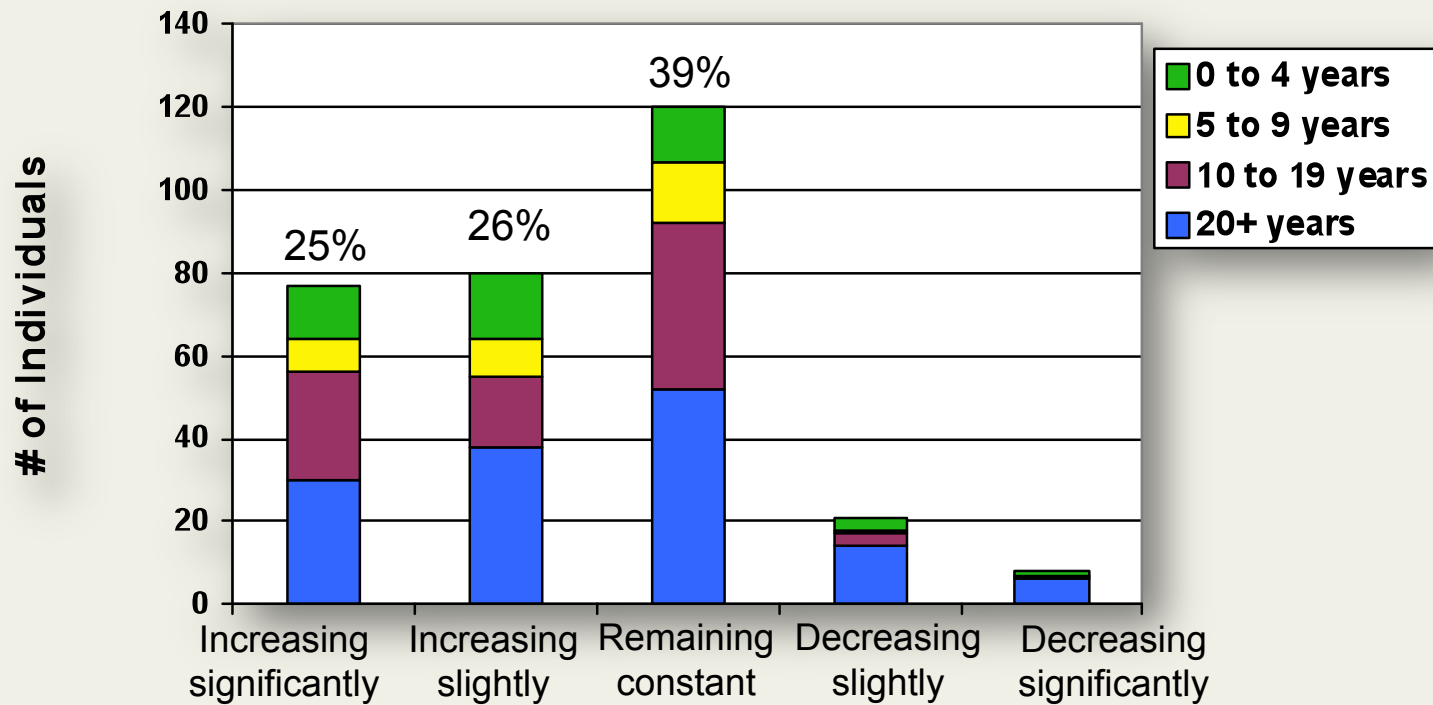
Administrative burden												
	No problem 1	2	3	Average			6	7	8	9	Extremely daunting 10	Response Count
Shore-side laboratory space	31.2% (67)	20.9% (45)	14.0% (30)	7.0% (15)	12.1% (26)	2.8% (6)	4.7% (10)	5.1% (11)	1.9% (4)	0.5% (1)	215	
Shared-use machine shops and lab support facilities	33.8% (70)	22.7% (47)	15.9% (33)	5.8% (12)	12.6% (26)	2.4% (5)	2.9% (6)	1.4% (3)	1.9% (4)	0.5% (1)	207	
Dedicated shore-side tech support group	25.5% (52)	20.1% (41)	15.2% (31)	8.8% (18)	13.7% (28)	4.4% (9)	3.9% (8)	4.4% (9)	2.5% (5)	1.5% (3)	204	
Access to ships and ship time	15.2% (35)	21.2% (49)	17.7% (41)	5.6% (13)	19.9% (46)	4.3% (10)	4.8% (11)	6.5% (15)	2.2% (5)	2.6% (6)	231	
Access to shared-use ship board instruments/facilities (multi-beam, ROVs, isotope ions, etc.)	19.6% (41)	20.6% (43)	20.6% (43)	7.7% (16)	17.2% (36)	5.3% (11)	1.9% (4)	2.9% (6)	2.9% (6)	1.4% (3)	209	
Access to at-sea technical support	31.3% (66)	25.6% (54)	11.4% (24)	8.5% (18)	12.3% (26)	2.8% (6)	3.3% (7)	2.8% (6)	0.5% (1)	1.4% (3)	211	
Other	27.8% (5)	11.1% (2)	11.1% (2)	0.0% (0)	11.1% (2)	0.0% (0)	11.1% (2)	5.6% (1)	0.0% (0)	22.2% (4)	18	

Most respondents indicate average to no problems with administering the whole program.

Question 22 - In maintaining and expanding your field research program, you are challenged to locate the resources that you need, raise the funds to secure these resources, and administer the overall program.

Written responses to Question 22 were limited (29) although several focused on adequate funding for personnel and 3 talked specifically about the costs associated with the OBSIP facility.

Question 23 - In my particular area of research, I see the need for ships _____ over the next 25 years.



Answered question: 307, 90% of the respondents said the need for ships will remain constant or increase.

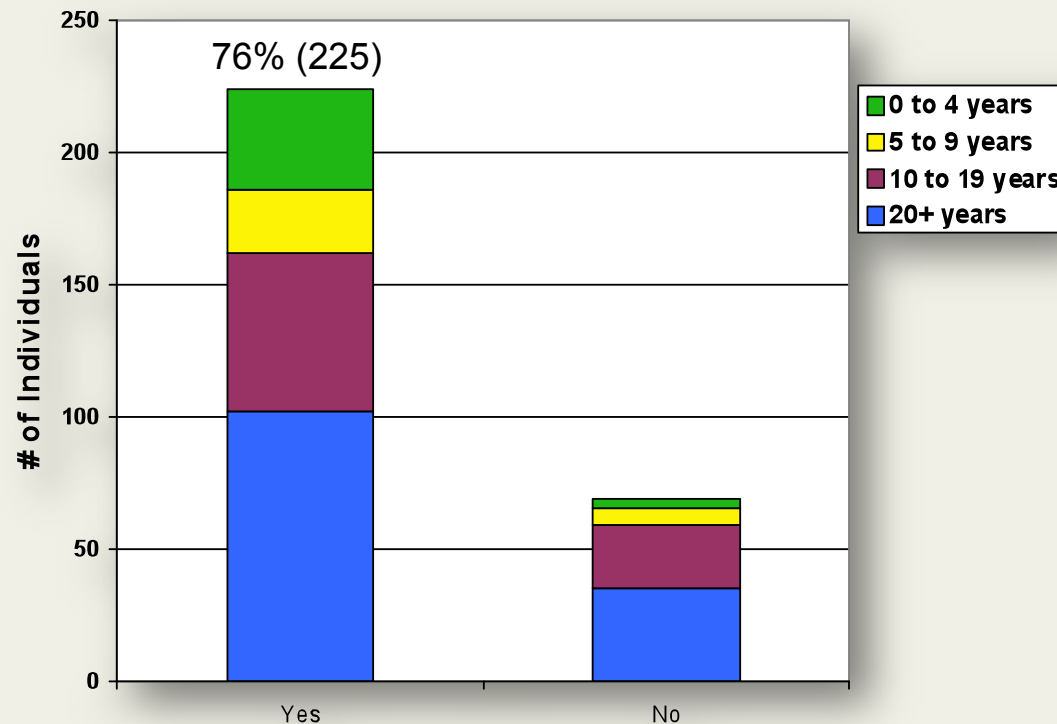
25. What factors would positively influence your desire to request ship time for field work in the future? - **Written responses only.**

There were 227 written responses, which could be categorized in two main areas:

- Availability of funds/Agency support– **63% (144)**
- Ships and asset availability/scheduling and getting to ROIs - **23% (53)**
- Only 6 responses mentioned familiarity with the sea-going process/ mentoring

The categorized responses can be made available, or posted on the UNOLS website. They also show career stage within the categories.

Question 26 - In your opinion, would training or a mentoring program for potential or new Chief Scientists in pre-cruise planning, at sea operations, and post cruise obligations be beneficial? (Answered question: 225)



There were 128 written comments categorized as

- *Good idea* – 41% (53); most of the early career (0-4 yr) respondents are in this category.
- *Maybe..* – 17% (22)
- *Probably not* – 17% (22)
- *Not the problem* – 16% (20)
- *Miscellaneous* – 7% (9)

62% of the 128 written responses indicated maybe, probably not, or not the problem

Question 27 – Additional suggestions or comments that would help to improve access to the sea for oceanographic research are welcome (Answered question: 115; 242 skipped this question).

This was the last question and the written responses primarily reiterated the same issues as in prior questions:

- Funding problems/proposal success/agency efforts
- UNOLS operations
- Mentoring
- Other agency scientist's comments

Next steps

Preface: Many have been waiting for the results of the survey to be made public.

Questions for discussion:

- Can we (or how should we) draw conclusions from the survey?
- Should the results be posted on the UNOLS web site and announced?
- Is there a need for an article in EOS?
- Is there a need for a UNOLS and/or NSF response?

