# MST*Career* 2016

Evaluation of the course modules by the course participants

The evaluation is based on an anonymous online survey conducted one day after the end of the 2-weeks course

Question 1 (Graph):

Before attending MST*Career*, which of our modules attracted you the most to apply for participation?

Please rank the eleven course modules according to their importance for your decision to participate in MST*Career* (1 = the module that was most important for your decision to participate; 11 = module that seemed the least interesting to you when applying for MST*Career*)

More important for the decision to participate
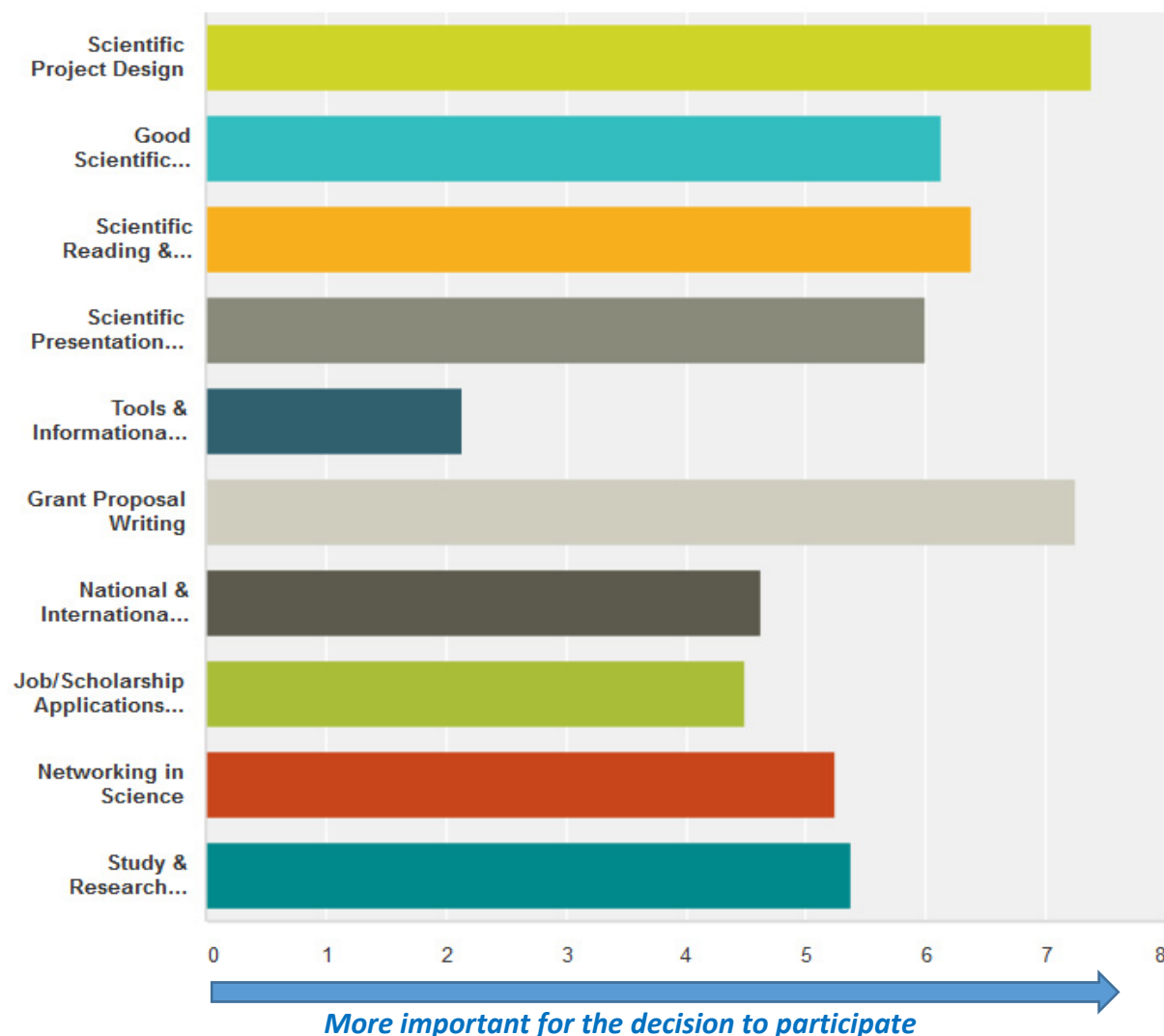
Question 1 (Raw Data):

More important for the decision to participate ←

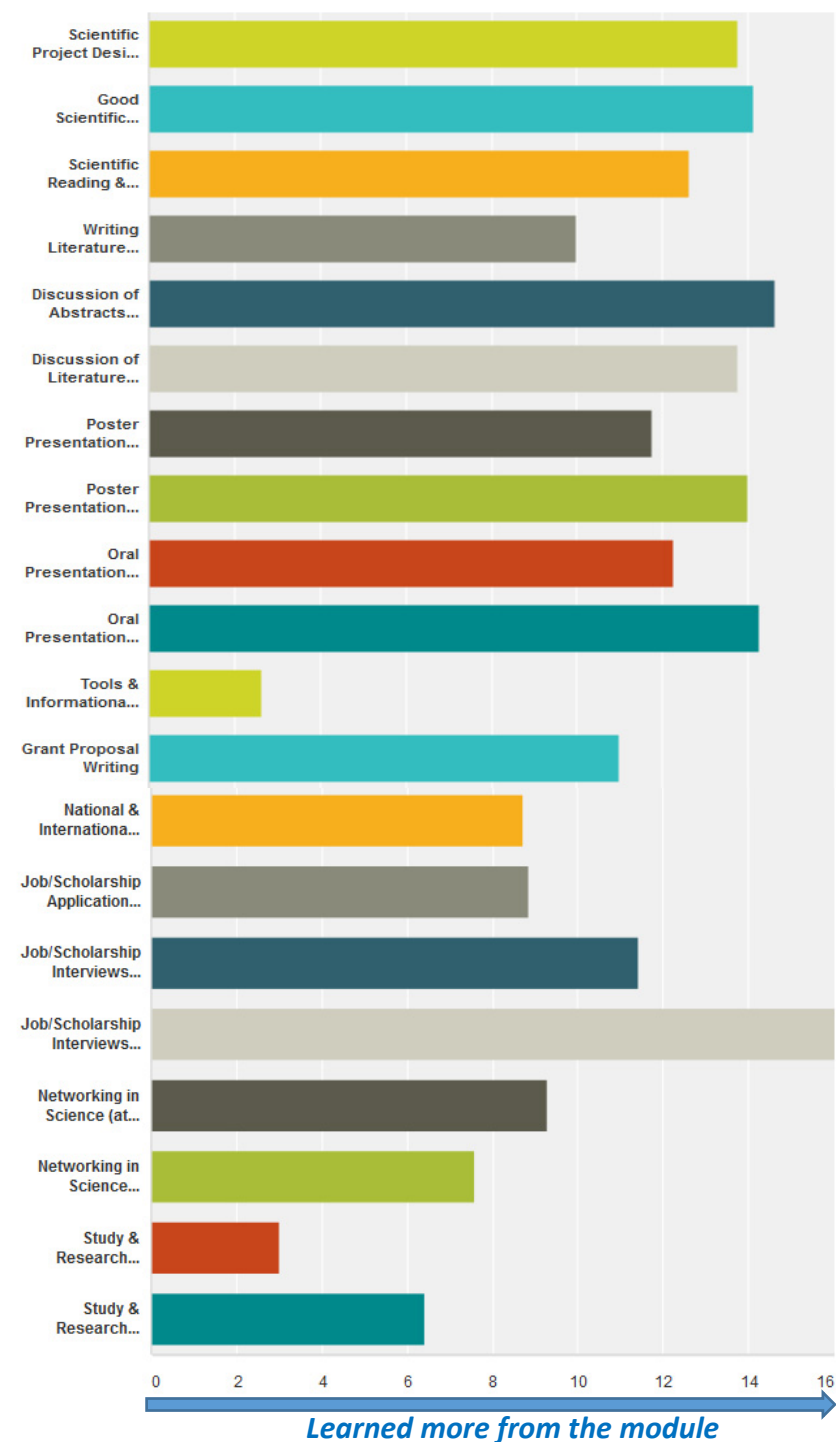|	1	2	3	4	5	6	7	8	9	10	Total	Score
Scientific Project Design	25.00% 2	25.00% 2	0.00% 0	0.00% 0	12.50% 1	37.50% 3	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	7.38
Good Scientific Conduct	0.00% 0	25.00% 2	25.00% 2	0.00% 0	12.50% 1	0.00% 0	12.50% 1	12.50% 1	12.50% 1	0.00% 0	8	6.13
Scientific Reading & Writing (incl. Literature Reviews)	12.50% 1	0.00% 0	25.00% 2	25.00% 2	0.00% 0	0.00% 0	25.00% 2	12.50% 1	0.00% 0	0.00% 0	8	6.38
Scientific Presentations (Talks & Posters)	12.50% 1	0.00% 0	12.50% 1	37.50% 3	0.00% 0	0.00% 0	0.00% 0	37.50% 3	0.00% 0	0.00% 0	8	6.00
Tools & Informational Resources in Science	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	12.50% 1	62.50% 5	8	2.13
Grant Proposal Writing	0.00% 0	37.50% 3	12.50% 1	0.00% 0	37.50% 3	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	7.25
National & International Funding Opportunities	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	12.50% 1	25.00% 2	12.50% 1	8	4.63
Job/Scholarship Applications & Interviews	12.50% 1	0.00% 0	12.50% 1	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	25.00% 2	25.00% 2	8	4.50
Networking in Science	12.50% 1	0.00% 0	12.50% 1	0.00% 0	12.50% 1	12.50% 1	25.00% 2	12.50% 1	12.50% 1	0.00% 0	8	5.25
Study & Research Opportunities Abroad	12.50% 1	0.00% 0	0.00% 0	25.00% 2	12.50% 1	0.00% 0	25.00% 2	12.50% 1	12.50% 1	0.00% 0	8	5.38

The higher this value, the more important this module was for the decision to participate in MSTCareer

Question 2 (Graph):
Reviewing the course AFTER attending - which elements do you now think were the most useful to you?
Please rank the 20 MSTCareer Lectures and Practical Trainings according to their importance of what you actually learned from them for your future career
(1 = lecture or practical training you learned the most from; 20 = lecture or practical training you benefited the least from). If you did not attend in a lecture/training, please simply mark "not attended".

Learned more from the module

Reviewing the course AFTER attending - which elements do you now think were the most useful to you?
Please rank the 20 MSTCareer Lectures and Practical Trainings according to their importance of what you actually learned from them for your future career
(1 = lecture or practical training you learned the most from; 20 = lecture or practical training you benefited the least from). If you did not attend in a lecture/training, please simply mark "not attended".

Learned more from the module ←

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	not attended	Total	Score
Scientific Project Design ("How to think like a Scientist")	37.50% 3	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	8	13.75
Good Scientific Conduct (Plagiarism, Data Management, Authorship Ethics)	0.00% 0	25.00% 2	0.00% 0	0.00% 0	25.00% 2	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	14.13
Scientific Reading & Writing (Theoretical Lecture)	25.00% 2	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	12.63
Writing Literature Reviews (Theoretical Lecture)	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	12.50% 1	0.00% 0	8	10.00
Discussion of Abstracts (Practical Training / Feedback from Mentors & Co-Participants)	0.00% 0	25.00% 2	0.00% 0	12.50% 1	25.00% 2	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	14.63
Discussion of Literature Reviews (Practical Training / Feedback from Mentors & Co-Participants)	0.00% 0	12.50% 1	25.00% 2	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	13.75

The higher this score, the more the participants think they have learned from the respective module

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Total	Score
Poster Presentation (Theoretical Lecture)	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	12.50% 1	0.00% 0	25.00% 2	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	11.75
Poster Presentation (Practical Training / Feedback from Mentors & Co-Participants)	0.00% 0	0.00% 0	12.50% 1	25.00% 2	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	8	14.00
Oral Presentation (Theoretical Lecture)	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	37.50% 3	12.50% 1	25.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	12.25
Oral Presentation (Practical Training / Feedback from Mentors & Co-Participants)	0.00% 0	25.00% 2	0.00% 0	12.50% 1	25.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	14.25
Tools & Informational Resources in Science	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	25.00% 2	50.00% 4	8	2.63
Grant Proposal Writing	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	25.00% 2	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	8	11.00
National & International Funding Opportunities	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	12.50% 1	12.50% 1	12.50% 1	0.00% 0	0.00% 0	12.50% 1	8	8.71
Job/Scholarship Application Writing	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	12.50% 1	0.00% 0	0.00% 0	25.00% 2	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	8	8.86
Job/Scholarship Interviews (Theoretical Lecture)	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	25.00% 2	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	8	11.43
Job/Scholarship Interviews (Practical Training / Feedback from Mentors & Co-Participants)	37.50% 3	0.00% 0	12.50% 1	0.00% 0	0.00% 0	25.00% 2	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	8	16.00
Networking in Science (at Conferences)	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	25.00% 2	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	8	9.29
Networking in Science (involving in Scientific Organizations)	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	25.00% 2	0.00% 0	0.00% 0	12.50% 1	12.50% 1	12.50% 1	8	7.57
Study & Research Opportunities Abroad - USA	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	25.00% 2	37.50% 3	0.00% 0	8	3.00
Study & Research Opportunities Abroad - Germany	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	12.50% 1	0.00% 0	0.00% 0	0.00% 0	25.00% 2	12.50% 1	0.00% 0	12.50% 1	12.50% 1	12.50% 1	8	6.43

Question 3 (Graph):

How well did MST*Career* 2016 fulfill the expectations you had for the course? (e.g. were all questions you had answered? do you think your career skills got strengthened as much as you had hoped for? did you get all the information you were hoping for?)

Please note: "MST*Career*2016 in general" (in the first line) refers to your overall expectations regarding the entire course program, in the following lines please give feedback on the individual training courses elements
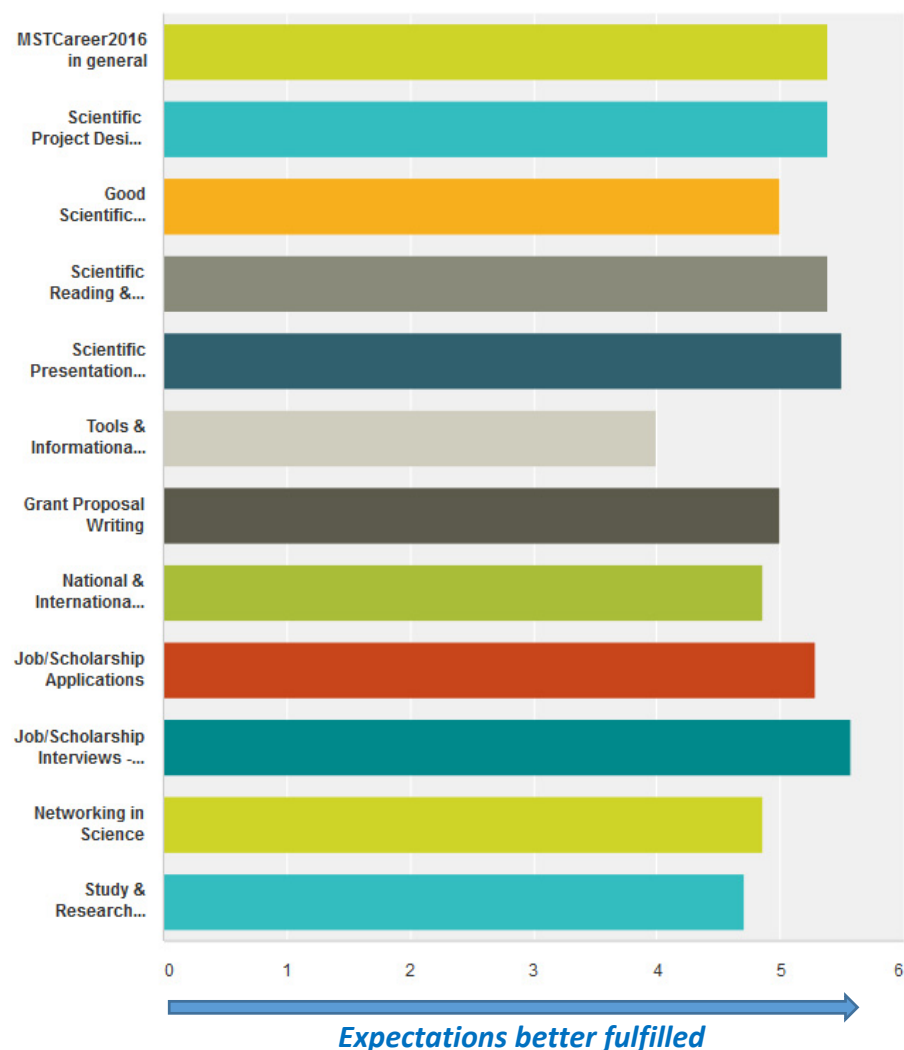
Expectation were fulfilled…

1) very disappointing
2) disappointing
3) a bit disappointing, but okay
4) quite well
5) very well
6) better than expected

	very disappointing	disappointing	a bit disappointing, but okay	quite well	very well	better than expected	N/A - I did not attend	Total	Weighted Average
MSTCareer2016 in general	0.00% 0	0.00% 0	0.00% 0	0.00% 0	62.50% 5	37.50% 3	0.00% 0	8	5.38
Scientific Project Design / Thinking like an Experimental Scientist	0.00% 0	0.00% 0	0.00% 0	0.00% 0	62.50% 5	37.50% 3	0.00% 0	8	5.38
Good Scientific Conduct	0.00% 0	0.00% 0	0.00% 0	25.00% 2	50.00% 4	25.00% 2	0.00% 0	8	5.00
Scientific Reading & Writing (incl. Literature Reviews) - Lectures & Practical Trainings	0.00% 0	0.00% 0	0.00% 0	12.50% 1	37.50% 3	50.00% 4	0.00% 0	8	5.38
Scientific Presentations (Talks & Posters) - Lectures & Practical Trainings	0.00% 0	0.00% 0	0.00% 0	12.50% 1	25.00% 2	62.50% 5	0.00% 0	8	5.50
Tools & Informational Resources in Science	0.00% 0	0.00% 0	37.50% 3	37.50% 3	12.50% 1	12.50% 1	0.00% 0	8	4.00
Grant Proposal Writing	0.00% 0	0.00% 0	0.00% 0	37.50% 3	25.00% 2	37.50% 3	0.00% 0	8	5.00
National & International Funding Opportunities	0.00% 0	0.00% 0	0.00% 0	25.00% 2	50.00% 4	12.50% 1	12.50% 1	8	4.86
Job/Scholarship Applications	0.00% 0	0.00% 0	0.00% 0	12.50% 1	37.50% 3	37.50% 3	12.50% 1	8	5.29
Job/Scholarship Interviews - Lecture & Practical Training	0.00% 0	0.00% 0	0.00% 0	12.50% 1	12.50% 1	62.50% 5	12.50% 1	8	5.57
Networking in Science	0.00% 0	0.00% 0	0.00% 0	37.50% 3	25.00% 2	25.00% 2	12.50% 1	8	4.86
Study & Research Opportunities Abroad	0.00% 0	0.00% 0	0.00% 0	50.00% 4	12.50% 1	25.00% 2	12.50% 1	8	4.71

The higher this score, the better the expectations of the candidates were fulfilled

6 = fulfilled better than expected

Please comment on one or more of the following questions: How could MSTCareer get better in the future? What did you especially like about it? What was not so good? Do you have ideas on additional training elements? How could the efficiency of the course be improved to better prepare future participants for their career?

Please comment......
   A) **on MSTCareer in general...**
   B) **and B) on the individual lectures and practical trainings (P.S.: don't worry about good English writing style here - for us it's important to get as much feedback from you as possible - as long as we can understand you, any feedback from you is greatly appreciated!)**

Response 1: More expert involved in the course

Response 2: In general, MSTCareer was one of the best training I've ever had. I hope that MSTCareer could be continued every year in the future, and if its possible, the one of the lecturers should be from abroad, either from DAAD support or other institutions, because I believe that teaching scientific and soft skills from different perspective (in this context, foreign scientist) is highly beneficial to improve the mindset of young researchers in Indonesia. I also really like how affordable MSTCareer training is. Mostly other training costs so high because meals, accommodation and (sometimes) entertainment fee are inclusive in it, which is something that we don't need. For individual lectures, I think that most of them are well-informed and explained. The study materials were up-to-date and comprehensive. The practicals (literature review, abstract, poster and interview) were highly useful to oversee my weaknesses and strengths. The constructive feedback that were given by the lecturer really helps me to give a better performance in the next occasions.

Response 3: Overall, MST Career is the best training I've ever had. I really enjoy the MST Career atmosphere. This training provided us with very systematic teoritical topic and practice it with feedback from Dr. Carsten, Prof Indra Jaya and other participants. Practical sections used to be the sections that I have been waiting for. Individually, I want to note the lecture about Tools and Informational resources, I think it mostly covered the marine science. Since participants of this course are multidisipline, I think it will be better to make it more general (or group it in health science, marine science etc).

Response 4: All the materials of this courses is important, in my opinion, it had better to extend the length of course to give stress in some points such as writing (both of proposal and manuscript) and give more perspective in study abroad opportunity; not only USA and Germany but also other countries (Australia, Japan etc).

Response 5: I hope MTScareer can be held for two weeks continuously, not separately. I also hope the training of MTScareer can be held in Sumatera

Response 6: A) MST Career give me the better knowledges and experiences that are important for early exposure with International scientific atmosphere to elevate my career. B) Developing the lecturing methods that are more interesting, and doing more practical trainings as well as giving feedbacks from all of mentors team.

Response 7: A) On MSTCareer in general, am very happy with the quality how it was carried out. The number of participants is good that it was less than 10. The time table was fully fulfilled. The location was very quiet. The snacks were always available. Though, I would like to suggest that you should provide more time for participants to develop their work real time during the course. Doing so will show the lecturers real quality of the participants and know better what to be done to revise it. Other thing is that it would be great if there was a bit humor or jokes during the course. B) On the individual lectures and lecturers I think Carsten was the best. He was punctual and always focused. He spoke clearly and very well prepared with the material. Keep doing so, but with a bit jokes and humor, please. Other lecturers need to speak louder and show more optimistic gestures to the participants.

Response 8: A. 1. MSTCareer could be better in future by provides equal amount of speech by every speaker and probably by more practical works 2. I like abstract, oral presentation (practice), and explanation about interview most. It really helping me to construct every strategy needed 3. In my opinion, in the future, it will be good opportunities to giving sharing section by they who have successful in science or gaining scholarship in different countries B. 1. For individual lectures given, I hope the problem-solution based approach would help us much more, for example, the explanation about abstract, review, poster, and interview really help, but for lectures about project is more 'class lecture' than 'problem-solution' approach 2. It would be help us even more if the lecture(s) about 'Road Mapping your Career' also included.

Please state your overall opinion about MSTCareer in 1-2 sentences. If you were telling friends or colleages about your attendance in MSTCareer2016 and whether it is worthwhile attending, what would you say?

Response 1: I will suggest this training to my colleges. It broadened our perspective of scientific thinking.

Response 2: Everybody who wants to pursue their career as a scientist in Marine Science and Technology topics should attend this training. It really helps to improve your scientific and soft skills!

Response 3: MST Career 2016 is an excellent training, your long journey to Bogor is really worthwhile

Response 4: It great course to strengthen young scientist to be competitive scientist!

Response 5: MSTcareer gave me some new skills and most important in sustaining the research.

Response 6: MST Career has given the best skills in developing my career to achieve an Internationally competitive scientist.

Response 7: It was very useful and important for your career as a scientist. It gives you real and factual cases how to become an international researcher.

Response 8: MST Career is really useful to improve our knowledge and strategy to gain certain 'niche' in science. I recommend you attend this course if you want to have great achievement as scientist.