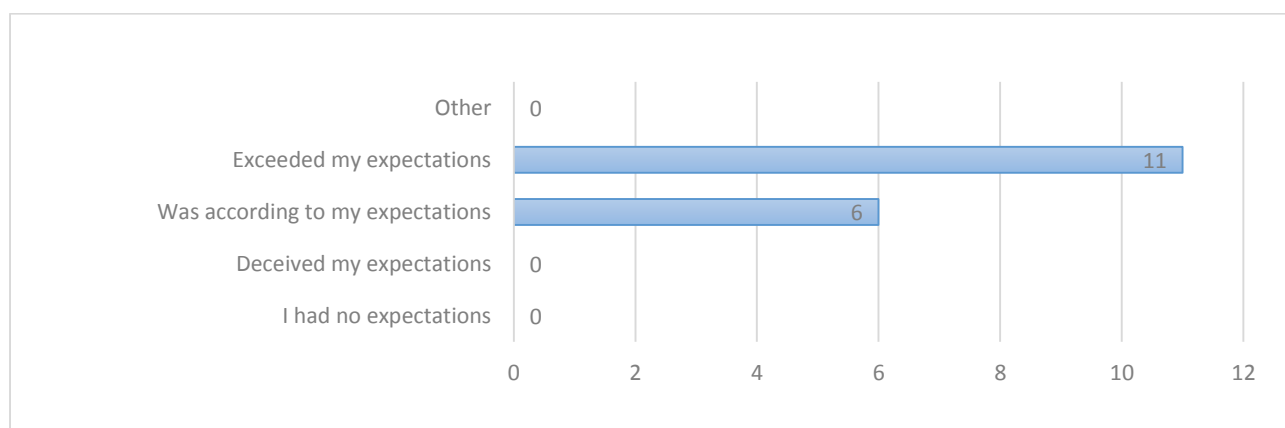


**Evaluation by Participants in the IUCr-UNESCO OpenLab of Montevideo, Uruguay held between the 23rd and 31st of July 2014 at Facultad de Química, Universidad de la República.**

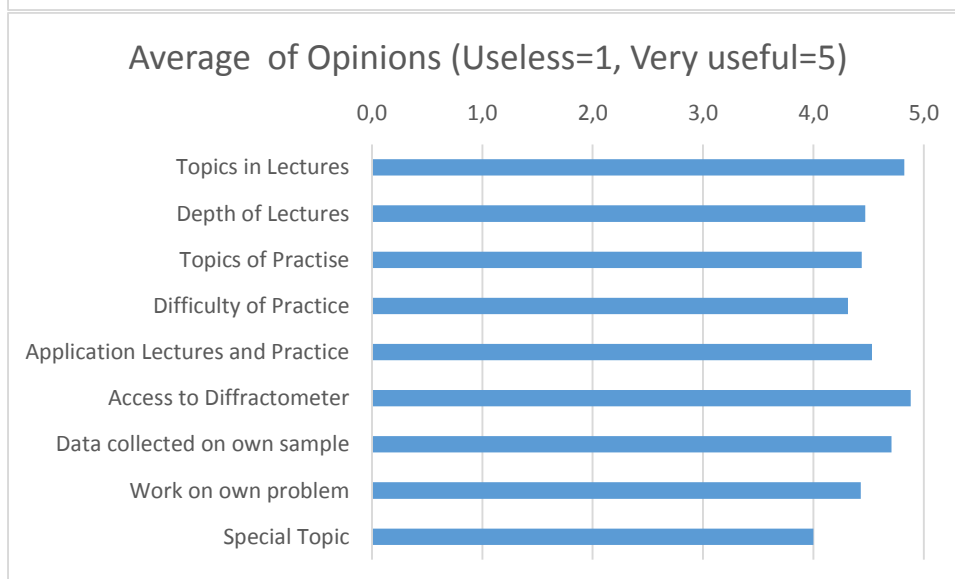
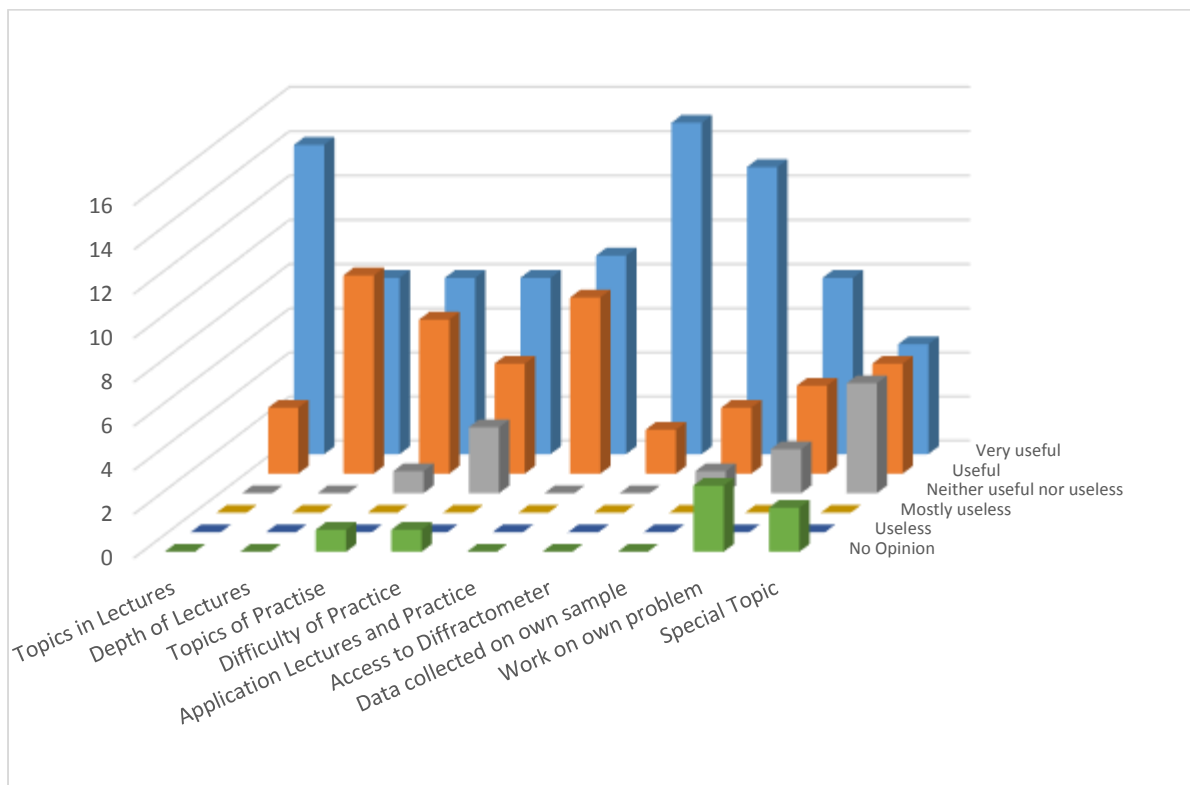
The 20 participants in the IUCr-UNESCO OpenLab listed in the table below were requested to reply to a set of questions to obtain their opinions of the event and collect suggestions of aspects that may be improved for future events. A total of 17 participants replied to the questions that are listed below together with the replies shown in a graphical manner or the transcription of the text. Most of the replies were collected in Spanish and were translated to English but the original answers can be obtained from the organizers upon request.

Nombre	Institución	País	e-mail
Andrea Araya	Universidad de Costa Rica	Costa Rica	andrea.araya@ucr.ac.cr
Andrea Naranjo	Instituto de Física de São Carlos - USP	Brasil	andrea.naranjo@correounivalle.edu.co
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Fernando Colombo	CONICET/Universidad Nacional de Córdoba	Argentina	fosfatos@yahoo.com.ar
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Lisandro Otero	Fundacion Instituto Leloir	Argentina	lotero@leloir.org.ar
Mario A. Macías	Universidad Industrial de Santander	Colombia	marioalbertomacias@yahoo.es
Martín E. González	Instituto de Química de São Carlos - USP	Brasil	caromanto@hotmail.com
Nilda Pinto Apaza	Universidad Nacional de San Agustín	Perú	npintoa10@gmail.com
Olga Sánchez	Universidad de Buenos Aires	Argentina	olgacarolina88@gmail.com
Patricia Melero	Universidad Nacional Mayor de San Marcos	Perú	pcsma_21@hotmail.com
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Guzmán Peinado	Facultad de Química – UdelaR	Uruguay	gpeinado@fq.edu.uy
Ivana Aguiar	Facultad de Química – UdelaR	Uruguay	iaguiar@fq.edu.uy
Lorena Martínez	Facultad de Química – UdelaR	Uruguay	lmartinez@fq.edu.uy
Natalia Alvarez	Facultad de Química – UdelaR	Uruguay	nalvarez@fq.edu.uy
Santiago Vázquez	Facultad de Química – UdelaR	Uruguay	santivazquez@fq.edu.uy
Matías Fabregat	Institut Pasteur de Montevideo	Uruguay	m16fabregat@gmail.com

**1-How do you evaluate the outcome of the OpenLab respect to your expectations:**



**2- Evaluate from 1 (Useless) to 5 (Very Useful) the following aspects of the OpenLab:**



**3- Describe the atmosphere of the event regarding the relation with the Lecturers**

- "The atmosphere generated during the event promoted the exchange of opinions, uncertainties and interesting discussions with professors. This was in my opinion very important for the success of the event"
- "Excelent"
- "The professors were outstanding and made me feel like at home. They gave very good classes, were very patient, and were always ready to answer our questions. Suescun and Noll spent the Sunday with

some of us, collecting data at the diffractometer and showing us some other practical things (sample mounting, data processing for twinned crystals, and so on).”

- “It was really nice. All of them showed a solid knowledge and a good predisposition to help the students.”
- “The work atmosphere was very good for work, both professors and organizers attended in time the academic and personal needs of participants.”
- “The atmosphere was very amenable, professors were all the time available for consultation.”
- “All the teachers were very helpful and respectful.”
- “Very amenable and accesible with easy access to the science. Everyone could interact freely with professors and participants to solve problems and ask questions.”
- “I liked it.”
- “Very friendly atmosphere, with strong communication and adcess to solve problems and answer questions.”
- “Excellent: all professors were really kind and always willing to help us students. They were most available to answer the many questions that came up while we trying to accomplish our assignment.”
- “Super accesible. Excelente”
- “Excelent”
- “I think that the ambience in the course was very good. The Professors treated the students with all due respect and amiability. The intellectual compromise responded to the highest levels as expected. In general, the student-Professor relationship was carried out in a perfect professional ambience.”
- “It was very good.”
- “It was very friendly.”
- “Very good.”

#### **4- Describe the atmosphere of the event regarding the relation with the fellow participants**

- “The relation with the rest of the participants was as expected for this kind of events.”
- “Very good.”
- “Very good working atmosphere, friendly and willing to help when needed.”
- “Since there were students from different Latin-american countries, the interaction and exchange one could interact and exchange was very rewarding.”
- “A good workteam was formed, there was a lot of cooperation among colleagues.”
- “It was a very nice group, I felt very good although the time we interacted was not that long.”
- “We were very united and we enjoy expend time with each other.”
- “Very familiar atmosphere, instead of class-mates we were like a small family of work where everyone helped each-other to obtain excellent results and more learning.”
- “Amenable.”
- “Socially very inclusive, many of us got very involved and shared our experience.”
- “The atmosphere between students was very good. We had the chance to exchange about the work that each of us was doing during the course and also about what we do at home which may lead to some colaboration in the future.”
- “The large majority of them super friendly, nice and willing to collaborate.”
- “Very good”
- “The ambiance among students was also very well. The respect for what everyone worked was the principal attribute. Despite the different nationalities, everyone shared a good time.”
- “Everyone very nice and helpful.”
- “It was very friendly”
- “Excelent.”

## 5- Describe which changes you would make to the Program of the event regarding the number and topics of Lectures and Practical sessions.

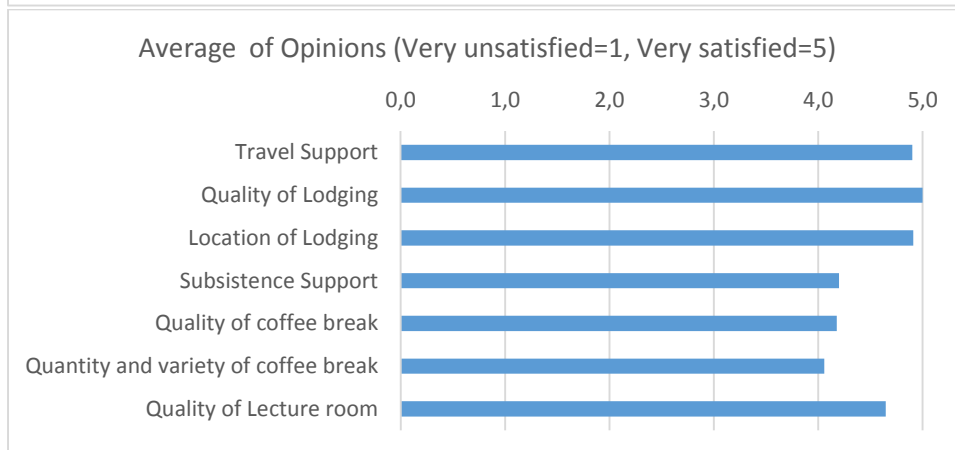
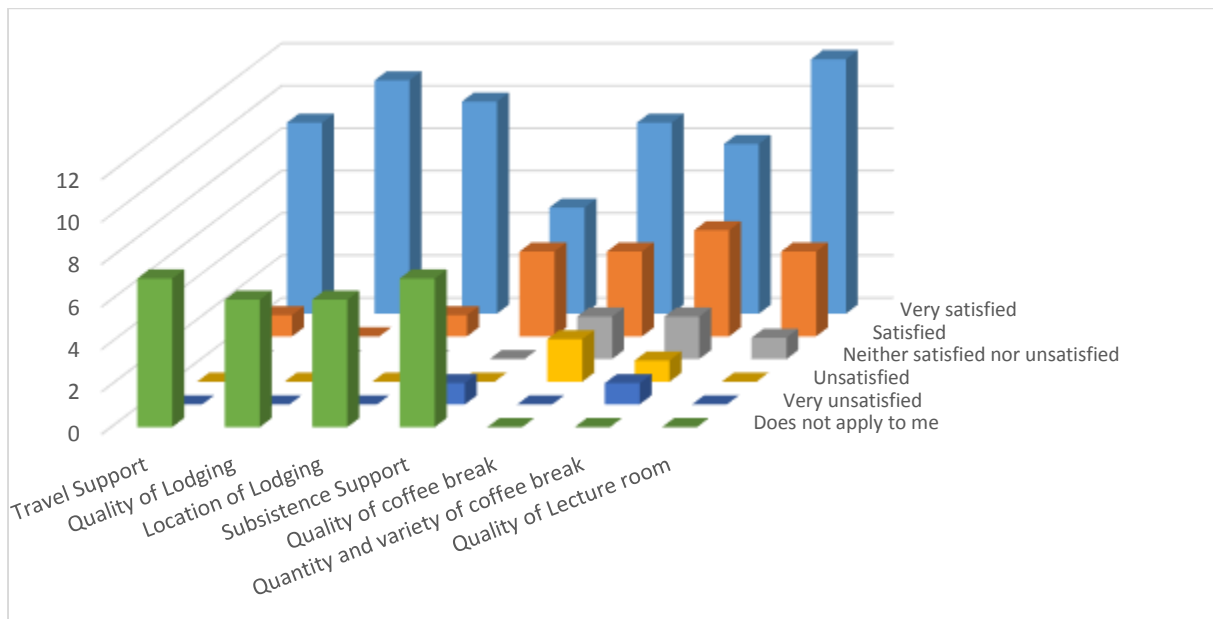
- "In my opinion the program was adequate for the objectives. The organization was very good."
- "None"
- "My overall impression is very good, and there is little (if any) that could be modified. Bringing our own samples gives us the opportunity to work on problems we are really interested in, but at the same time we run the risk of bringing something rather difficult and not being able to finish it within a reasonable time frame. That was what happened with one of my samples, which was a twinned crystal. Since the refinement was not ready in a short time, I could not pay as much attention as I wanted to the section about cif files and all the available software to check them. Perhaps that could be solved using a simple dataset (in fact, we did that with a sample of vitamin C), and then making all the steps before starting to work with our own samples. But that is just a very minor thing, and that does not detract at all from the class organization."
- "I would not change anything. Maybe I would add some topics about macromolecules, but, I understand that due to the time it would have been impossible."
- "Personally I wouldn't modify the topics but I would increase the hours of theory."
- "I think that in some cases some practical aspects were assumed as known although this was not the case for all the participants. I think the starting point for theory was the basis but it was not the case with the practical aspects."
- "Maybe I expect to know a little bit more about protein crystallography and its softwares."
- "I found it ideal, I wouldn't change it."
- "None."
- "None."
- "I don't believe any changes are necessary."
- "None."
- "Regarding theory it would have helped to have exercises-problems that help fix the concepts covered. Regarding the practical part it would be more profitable to teach how to analyze and process the data with the programs in a more practical manner, where everyone follows each of the steps. First all the proceeding was taught in a lecture and then there was only a short time for the practice."
- "In general, the content of the course was good. However, I consider that will be a good idea spend a little more time in practice. I mean, resolving different kinds of structures, where we can identify problems like disorder, and then learn strategies in how to resolve it. Also, I think that a short experience in how to describe a structure for an article could be also a good idea."
- "I would have liked to have more practical sessions"
- "None."

## 6- Describe which changes you would make to the Program of the event regarding the length and number of classes.

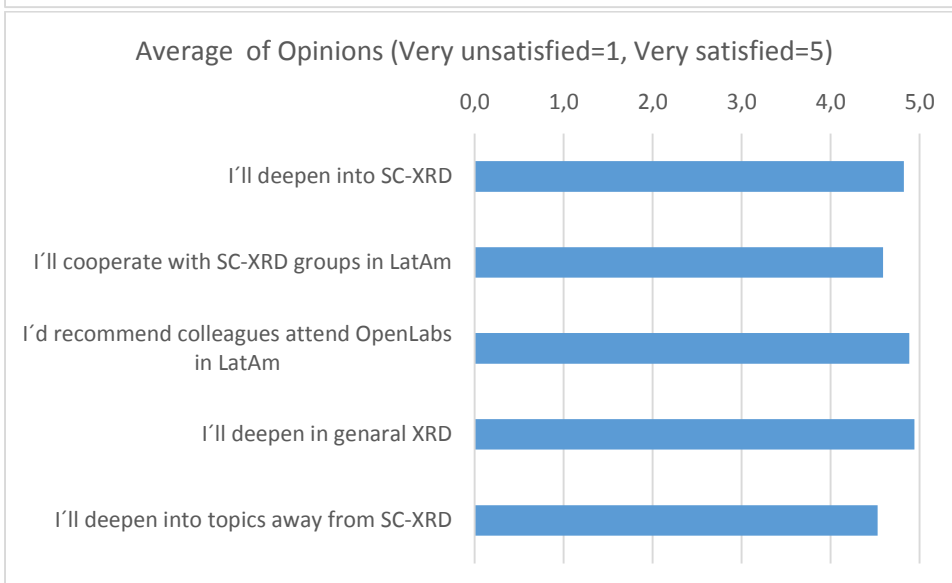
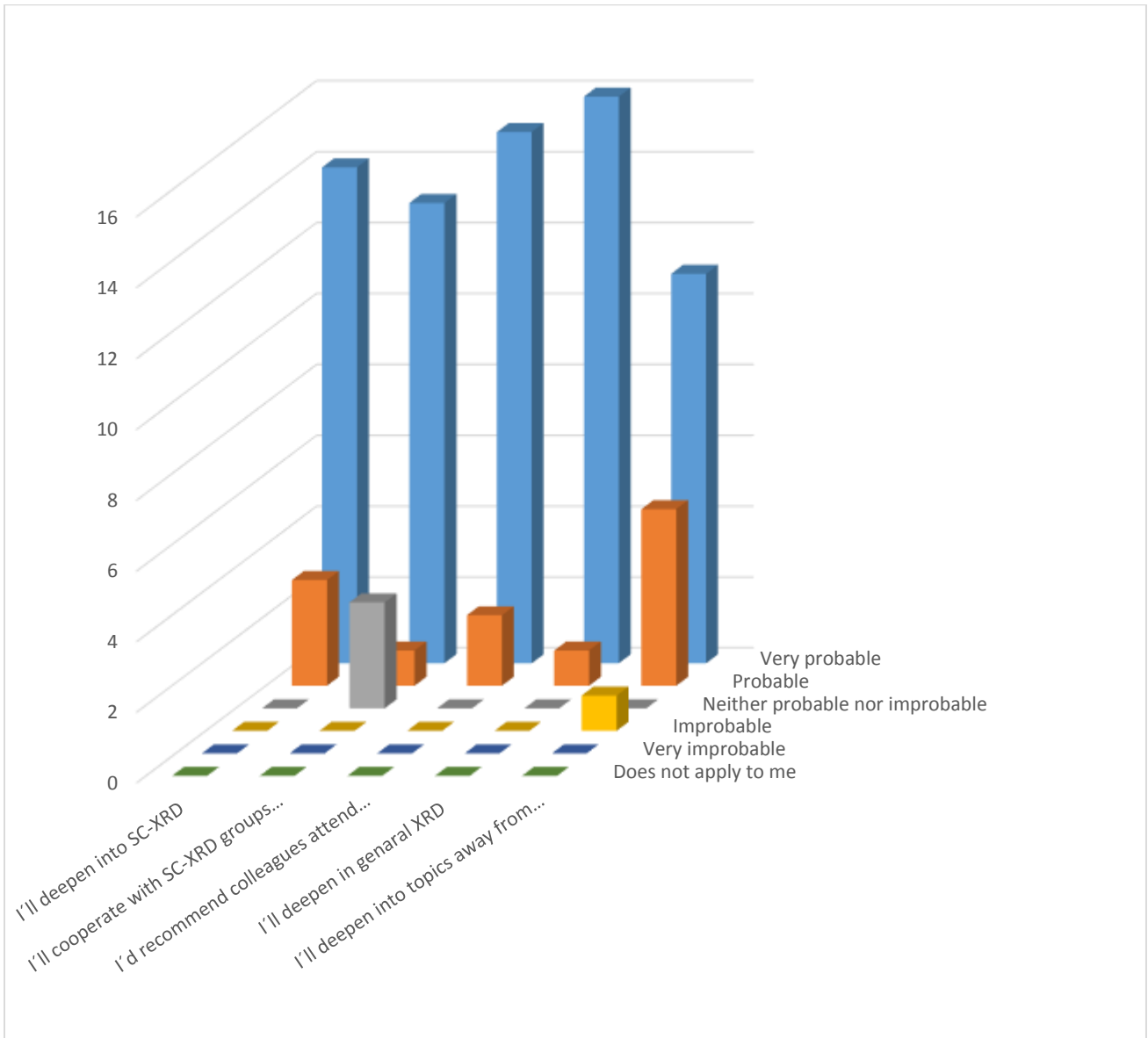
- "The total time of classes was good, I wouldn't change it."
- "None."
- "Nothing to be changed here."
- "None."
- "I would increase the number of days to distribute the time in a better way."
- "It was a bit exhausting, but since there are only a few days I don't think it would be possible to reduce the workload."

- "The schedule were pretty intense I suggest to reduce hours and inestead add one day more."
- "I would extend the OpenLab 2 more days with the purpose of reducing at least one or two hour of clases per day and have more time to digest the many topics covered in depth."
- "Increase the number of hour for structural determination."
- "It would be good that the OpenLab would be longer to have time to process the clases, but it is understandable that the modality should be intensive because most of the participants come from abroad."
- "The schedule is intensive which is understandable given the contents treated in OpenLab."
- "I would better organize the time for sample mounting and data collection so there is les free time for those that were not mounting samples or collecting their data."
- "None."
- "None. I think that the time spent in the course was ok."
- "It could be split in one full day of theory and another of practise"
- "Lower the number of hours per day and do not teach over the weekend."

**7- Evaluate from 1 (very unsatisfied) to 5 (very satisfied) the following aspects of the organization of the OpenLab.**



**8- Evaluate from 1 (very unsatisfied) to 5 (very satisfied) the following aspects of the organization of the OpenLab.**



**9- Please add any comment, criticism or suggestion on the event that may help the organizers improve future events.**

- "I hope it is possible to organize a second edition of the OpenLab in December and that the organization of OpenLabs in Latin America does not stop after the end of the IYCr2014. In my opinion it is very important to generat opportunities where young people interested in this topic may deepen our knowledge in our region without having to travel to the USA or Europe to attend schools with the quality in theoretical an practical aspects as this one. "
- "Everything was really nice. Name: Lisandro Otero."
- "It would be nice to increase the number of participants so many more colleagues could interact."
- "I am truly thankful for the opportunity of participating in this course."
- "I want to give my gratefulness to the organizing committee for a very good time in Montevideo and also for a really well organized event."
- "The number of practical sessions should be increased"

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