

SCAT Project Final Evaluation

This survey has been conducted after the completion of the SCAT project. The questionnaire was posted online and an email was sent to all members asking for them to answer 7 questions in relation to their experience through SCAT.

The questions are shown at the end of this summary. Responses were received between August and November 2009 from 24 people.

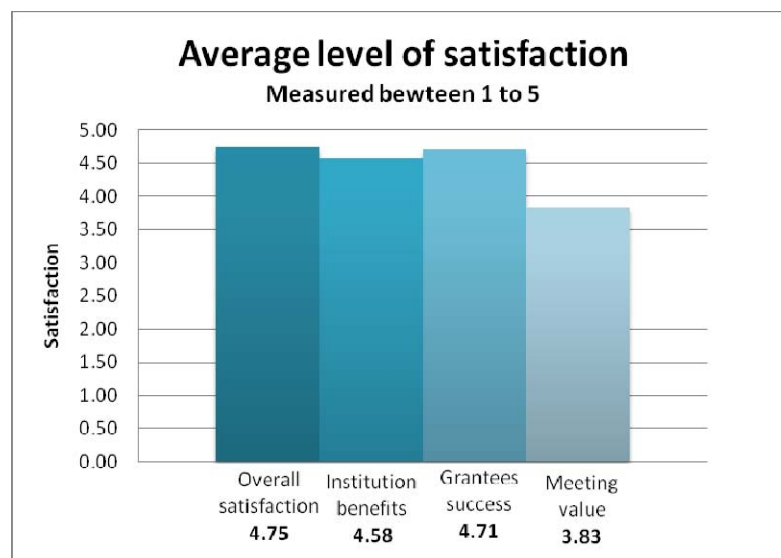
There were four ordinal questions aiming at grading the satisfaction of the members regarding the main objectives of the project. This related to the grantees program, the meeting schedule and the networking component, plus a general evaluation question.

Evaluation Questions:

In all four ordinal questions, the most cited answer was 5 –the highest score– which was mentioned 64 times out of 96 individual answers. As shown in the table below, only 7 answers were below or equal to "3".

| | # of mentions |
|---|---------------|
| 1 | 1 |
| 2 | 2 |
| 3 | 4 |
| 4 | 23 |
| 5 | 64 |
| 0 | 2 |
| | 96 |

The graph below shows an impressive level of satisfaction of the SCAT members, with an average 89% of satisfaction overall.



Collaborations and Networking:

Question was made of the results of the project in terms of the numbers of collaboration that were triggered by SCAT. This included new collaboration as well as potential ones.

Responses show that 13 members mentioned new collaborations that were initiated thanks to SCAT, out of which one has been formally established between two institutions, whereas the others were informal collaboration between research members of the participating institutions.

Beside is the detail of what the partners identified as new collaborations, whether there were ongoing or potential

| Collaborations | |
|----------------------|----|
| Initiated | 12 |
| Potential | 3 |
| Formally established | 1 |

Details about these collaborations can be found in the technical report.

In question six, 20 out of the 24 participants said they were positive about maintaining the communication and networking with former SCAT partners.

The last question was an open question for members to comment openly –and anonymously– over the project. The full answers are presented in annex.

Boris Drappier
Bristol, November 2009

SCAT project final evaluation

This is a very short survey (7 questions), to assess the overall satisfaction of the participants. We hope the results will be useful in reporting our success to the EC. Please reply by Monday, 24 August.

Are you happy that you participated in SCAT?

1 2 3 4 5

Not really Very much

Did any benefit come to your institution or group from participating?

1 2 3 4 5

Not really Very much

Do you think the grant program for students was a success?

1 2 3 4 5

Not really Very much

Do you think the international meetings were valuable?

1 2 3 4 5

Not really Very much

Did you start any new collaborations thanks to SCAT?

- Yes
- No

If you answered Yes above, please tell us with whom, and the topic or area (Please sign your name here; all other responses are anonymous.)

Will you keep in touch with people from SCAT?

1 2 3 4 5

Not likely Most definitely

Please leave any open-ended comments that you wish.

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| Time stamp | Are you happy that you participated in SCAT? | Did any benefit come to your institution or group from participating? | Do you think the grant program for students was a success? | Do you think the international meetings were valuable? | Did you start any new collaborations thanks to SCAT? | If you answered Yes before, please tell us with whom, and the topic or area | Will you keep in touch with people from SCAT? | Please leave any open-ended comments that you wish. |
|----------------------|--|---|--|--|--|---|---|---|
| 8/10/2009 7:43:42 | 5 | 5 | 5 | 5 | Yes | Grantee Felipe Cruz, now my PhD student. Grantee Christopher Cooper, starting PhD 2010. | 5 | |
| 8/11/2009 | 5 | 5 | 5 | 5 | No | | 5 | |
| 8/11/2009 2:44:18 | 5 | 5 | 5 | 5 | Yes | A new collaboration with UNAM on earthquake simulation (David Emerson) | 5 | A great shame there is no way to build upon all the successes and bring in other latin american countries. |
| 8/11/2009 3:16:50 | 5 | 4 | 4 | 5 | Yes | Thanks to SCAT we have formed a collaboration with Prof. Mario Chavez from the Institute of Engineering, Natl. Univ. of Mexico, optimizing an earthquake simulation code for HPC architectures. Andrew Sunderland, Daresbury Laboratory, STFC, UK. | 5 | |
| 8/11/2009 5:42:47 | 5 | 5 | 5 | 5 | Yes | 1) Dr. Fabien Ternat (IRPHE-Marseille-France) Backward Heat Equatio. 2) Dr. Prabir Daripa (Texas A&M University-USA) Singularity in Boussines Equation. 3) Dra.Susana Gomez (UNAM) Oil Extraction Modelation. 4) Dr. David Emerson (STFC Daresbury Laboratory) Transien Rarefied Flow. | 5 | For me, the SCAT Proyect experience was very important and I got much more out of it than I put in. I am very greatfull from the European Comunity, the ALFA proyects and in particular from the organaisers (Dr. Lorena Barba and Boris Drapier), because it enhansed my research activity. I hope, the European Comunity will be able to ofer again these kind of proyect, because the grup of researchers we were able to put to work together is ready to keep going and we have a lot of students from Latino America intrested in going to study and do research in universities and research institutions of the European Comunity. |

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|-----------------------|--|---|--|--|--|--|---|--|
| 8/11/2009 7:06:38 | 5 | 5 | 5 | 4 | Yes | Two of my PhD students got a grant from SCAT and performed stays at Marseille with Patrice Meniuer (IPHRE) working on fluid mixing and at Terrasa with Manel Soria (CTTC-UPC) working on parallel computing. Hopefully the collaboration of my students with their SCAT advisors will continue and I am also interested in keeping these contacts. Sergio Cuevas, Center for Energy Research, National University of Mexico. | 5 | I really believe that the experience that my PhD students got during their stays at Marseille and Terrasa was extremely positive and certainly will have a good influence for the completion of their dissertations. I thank SCAT for this opportunity. |
| 8/11/2009 | 5 | 1 | 4 | 5 | No | | 3 | |
| 8/11/2009 | 4 | 5 | 5 | 3 | No | | 5 | |
| 8/11/2009 13:23:17 | 4 | 5 | 5 | 4 | No | | 5 | Creo que los representantes de las Universidades participantes en este proyecto, debieran mandar una carta de agradecimiento a los responsables del proyecto ALFA por el impacto en la formación de alumnos de pre y postgrado que generó este proyecto. atte. Franco Perazzo M. |

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|-----------------------|--|---|--|--|--|---|---|---|
| 8/11/2009 20:46:07 | 5 | 5 | 5 | 5 | Yes | <p>With Oscar Orellana we have had activities related to mathematical modelling, and start to work on modelling in Oil Reservoirs recovery.</p> <p>With Dave Emerson, we have been using the machines at the daresbury lab, and my student Gustavo Ramos, continues to have some interactions with Dave's group.</p> <p>With Lorena, we are looking for some possible research collaboration.</p> | 5 | I want to thank Lorena and Boris for their excellent job. They have been specially efficient and enthusiastic, and were providing a lot of help, for students and professors, so that visits and stages were successful. Excellent job indeed. Congratulations. |
| 8/12/2009 4:34:17 | 5 | 5 | 5 | 5 | Yes | Joel Frelat - inverse problems in acoustics | 5 | Too bad it was so short! Hope we could renew it in another way or within another program. |

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|----------------------|--|---|--|--|--|--|---|--|
| 8/12/2009 6:46:40 | 5 | 5 | 5 | 5 | Yes | <p>With Manel Soria, HPC and Engineering Applications. We are preparing a partnership contract between Politecnica Cataluna and UTFSM</p> <p>Contacts to Bristol through Lorena Barba and Felipe Cruz. Area. CFD and HPC.</p> <p>Contacts to Louis F. Rossi and Claudio Torres at University Delaware. CFD, HPC and (do not laugh) Quantum Computing, through an (very good and bright) student of mine who wants to do a Ph. D. in this field in USA or Europe. Dr. Rossi is impressed by the achievements of Claudio, as he recently wrote me in an e-mail, asking me for more students like Claudio. Thus this cooperation should soon start.</p> | 5 | <p>The SCAT project marked the take-off of CFD and HPC at UTFSM, for several reasons:</p> <p>(i) UTFSM student receiving advanced training in leading research centers in Europe;</p> <p>(ii) Advanced training of a research group at UTFSM which, in the end, was able to successfully present a project for the creation of Center of Technological Innovation on HPC at UTFSM.</p> <p>(iii) Similar to (ii), for a successful creation of the Scientific and Technological Center of Valparaíso, together with colleagues from the UTFSM Physics Department and the UTFSM Power Electronics Group.</p> <p>For more details, please see my opening speech of the Valparaíso SCAT Meeting, 20-24 July 2009.</p> <p>Fine managerial work by Lorena and Boris. The success of the SCAT project is certainly based on the fine work of both of them!</p> <p>Well done Lorena and Boris!</p> |
| 8/12/2009 6:51:10 | 5 | 5 | 5 | 4 | Yes | Seismic Wave Propagation Modelling with Mario Chavez Mike Ashworth | 5 | Luis Salinas, UTFSM |
| 8/12/2009 | 4 | 4 | 4 | | | | 5 | |

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|-----------------------|--|---|--|--|--|--|---|--|
| 8/12/2009 15:37:42 | 5 | 5 | 4 | 5 | Yes | With David Emerson and Michael Ashworth. 3D wave propagation of earthquakes by using HPC systems. Mario Chavez. | 5 | Taking into account the success of the SCAT project, I strongly suggest to organize, as soon as possible, a research network based on its participants and institutions who wish to do so. |
| 8/13/2009 | 5 | 5 | 4 | 4 | | | 5 | |
| 8/14/2009 21:21:51 | 5 | 5 | 5 | 4 | Yes | A collaboration per se did not happen, but definitely new important scientific contacts. For example as a member of the Editorial Board of the SIAM Journal of Applied Mathematics I have requested people I met through SCAT to review articles for the journal. The names have to be kept anonymous for obvious reason, but having SCAT as a link was fundamental for asking and for them accepting this important task. All SCATcontacts remain for the future. | 5 | If the project would be continued I would suggest to have less meetings per year and have some mobility grants also for SCAT researchers to further search scientific interaction and collaboration. |
| 8/15/2009 | 3 | 4 | 4 | 2 | No | | 2 | |

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|-----------------------|--|---|--|--|--|--|---|---|
| 8/17/2009 10:31:16 | 5 | 4 | 5 | 3 | Yes | Following the stay of Leonardo Gordillo in our institution we are on the way of writing a paper on its work and that maintains relation between his new PhD institution (U. de Chile) and us. Beside this particular aspect, SCAT gave us a good overview on the activity of colleagues in S.A. and will allow us to contact them when collaborative subject would emerge. This a very good "networking" effect of SCAT in my opinion. | 4 | |
| 8/20/2009 11:02:28 | 5 | 5 | 5 | 3 | No | | 4 | I believe that the student program went very fine thanks to the major efforts done by Lorena Barba and Boris Drappier. I hope it will be continued. |
| 8/20/2009 11:08:47 | 5 | 5 | 5 | | Yes | With professor Rodrigo Soto U of Chile , Sanriago, Chile topics : active suspension dynamics Actually the SCAT program helped very much the starting of a new subject for both of us. | 5 | Thank you to Boris Drappier for his efficient help throughout the program |
| 8/22/2009 | 5 | 4 | 5 | 4 | No | | 5 | |
| 8/31/2009 | 5 | 5 | 5 | 5 | No | | 5 | |
| 9/16/2009 | 4 | 4 | 4 | 2 | No | | 5 | |