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Sesimbra (PT), 21st September 2016

Subject | Minutes of the Third Management Committee Meeting of COST Action ES1401 “Time Dependent Seismology (TIDES)”

*Sesimbra, Portugal
September 21st, 2016*

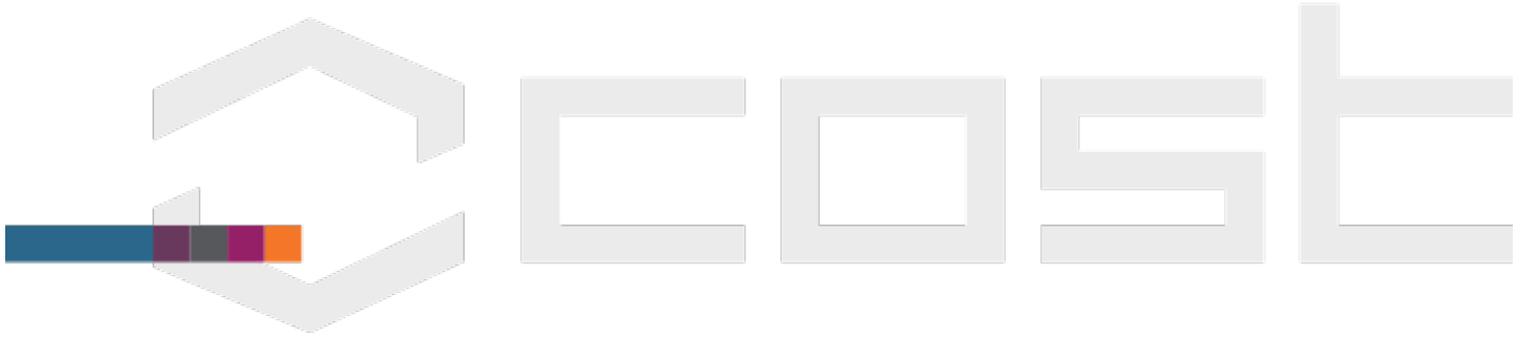
1. Welcome to participants

The Chair, Dr. Andrea Morelli, welcomes all participants to the meeting, taking place in the Sala Arrabida at the Sesimbra SPA & Hotel in Sesimbra (PT), during the Second Training School hosted in the conference room at the same venue, and opens the meeting at 15:30 as scheduled.

2. Verification of the presence of two-thirds of the Participating COST Countries

The following participating COST countries are represented in the room (by the MC Members or Substitutes named hereinafter):

Austria	Prof. Götz BOKELMANN
Austria	Prof. Florian BLEIBINHAUS
Belgium	Dr. Thomas LECOQ
Bulgaria	Dr. Gergana GEORGIEVA
Bulgaria	Prof. Reneta RAYKOVA
Czech Republic	Dr. Jaroslava PLOMEROVA
France	Prof Jean-Paul MONTAGNER
France	Prof. Michel CAMPILLO
Germany	Prof. Heiner IGEL
Ireland	Prof. Christopher BEAN
Norway	Dr. Andreas KÖHLER
Portugal	Prof. Graça SILVEIRA
Portugal	Dr. Carlos CORELA
Serbia	Dr. Aleksandra NINA
Slovakia	Dr. Jozef KRISTEK
Slovakia	Prof. Peter MOCZO
Spain	Dr. Daniel STICH
Spain	Dr. Martin SCHIMMEL
Sweden	Prof. Olafur GUDMUNDSSON
Switzerland	Prof. Andreas FICHTNER



United Kingdom Dr. Ana FERREIRA
United Kingdom Prof. Tarje NISSEN-MEYER

In total, 15 (out of 25) participating COST countries are represented at the MC meeting. The presence of at least two thirds Participating COST Countries is not met. Dr. Hamza Reci, from the Polytechnic University of Tirana, a MC Observer from COST Near Neighbour Country Albania, is present at the venue.

3. Adoption of agenda

The proposed agenda (attached) is read and approved with no comments or objections.

4. Approval of minutes and matters arising of last meeting

The minutes of the First meeting of the MC that took place in Bertinoro (IT) on June 3rd, 2015 (attached) are approved with no comments or objections.

5. Update from the Action Chair

- a. Status of Action: start and end dates of Action, participating COST countries, participating NNC/IPC institutions and Specific Organisations.

The Chair updates the MC about the changes of Grant Period (GP) timing that COST applied since the last MC meeting. The first GP has been terminated early, on August 31st, 2015. A second GP has then been implemented with duration between September 1st, 2015, and April 30th, 2016, and an increased budget. The current GP will have the standard duration of one year, and will therefore run until April 30th, 2017. These modifications have been applied by COST to realign all Actions duration.

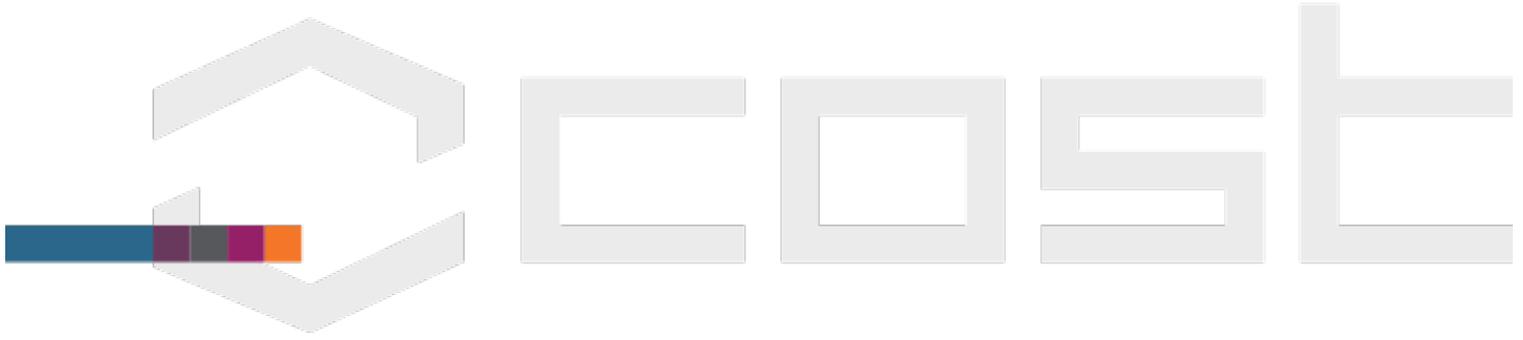
The Chair updates the MC about country participation to TIDES. Since the last meeting COST countries Belgium, Finland, FYR Macedonia, Iceland, and Serbia joined the Action. Albania joined as a Near Neighbour Country. The Action therefore now lists 25 participating countries, and 2 observers.

- b. Short Term Scientific Missions (STSM): review of completed reports and new applications

The STSM instrument has proved to be quite popular and successful within the TIDES community. The STSM Coordinator, Prof. Graça Silveira, updates the MC on the topic. Until now, TIDES has been able to support 19 missions. All applicants had submitted applications describing their motivation for the stay, that have been critically evaluated by the STSM Committee, designated at the previous MC Meeting in Bertinoro (composed by the STSM Coordinator, Prof. Silveira; the Action Chair, Dr. Morelli; the Action Vice-chair, Prof. Montagner; and two members chosen among Working Group Leaders, Dr. Schimmel and Prof. Sigloch). The STSM Committee selected the successful grantees following criteria of excellence, inclusiveness, and gender balance. All grantees have later submitted a report of the activity carried on during the stay. The MC agrees on the positive outcome of the STSM instrument, and commits future resources to continue the program.

6. Update from the Grant Holder: Action budget status

Dr. Lucia Zaccarelli, the Grant Holder Scientific Representative, could not attend the meeting. Therefore, the Chair invites Dr. Julie Baron, the Grant Manager, to update the MC on this item. The initial Grant Period (starting on 2015-01-01) has been terminated, by COST request, on 2015-08-31, and a new grant run from 2015-09-01 to 2016-04-30. The Grant Manager then briefly illustrates the financial reports submitted. For the current Grant Period, the events taking place during this week (this MC meeting, the Training School, the Core-Group meeting, the meetings of all Working Groups) are the first activities so



far. Therefore, all current expenditures are still projected, and actual costs will be clear only when reimbursements will be worked out by the Grant Holder. The projected budget for the set of events in Sesimbra — including 48 supported trainees, 25 MC members in attendance, and 10 trainers — sums up to 94,620€. There are 20 self-supported participants to the Training School.

7. Update from the COST Association, if a representative is present

The Action Scientific Officer anticipated that it could be difficult for her to attend this meeting because of other commitments.

8. Monitoring of the Action

The Chair updated the MC about the activities of the Action. Since its inception, TIDES has collected interest from more countries, reaching the current list of 25 COST and 2 Near Neighbour countries.

Besides the First Advanced Training School in Bertinoro (June 1-5, 2015), TIDES has so far supported three Working Group meetings (in Barcelona, 15-16 September 2015; in Paris, 1-3 February 2016; in Nantes, 25-27 April 2016) another Training School (in Vienna, 23-25 April 2016), and 19 Short-Term Scientific Missions.

The Second TIDES Advanced Training School, on “*Seismic noise: from generation to interferometry*”, is currently running here in Sesimbra. The progression follows in due course the original design that planned 4 such schools, during the 4-year life of the Action, on topics evolving from seismic data management; noise modelling; tomography; and applications. In the following Grant Period, a third school will then be devoted to seismic tomography, model accuracy, and uncertainty.

Support to Short-Term Scientific Missions will continue, in view of the success of this instrument, as well as support to focused Working Group meetings.

The MC agrees that the Action is proceeding following the plans.

9. Implementation of COST policies on:

a. Promotion of gender balance and Early Career Investigators (ECI)

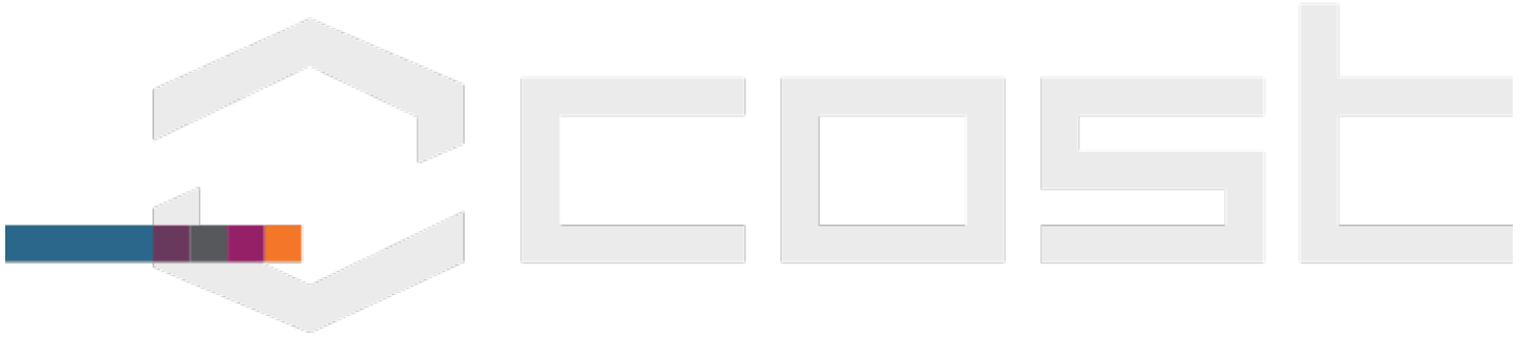
Women and Early-Career Investigators (ECI) are well represented in the trainees group. Here in Sesimbra, ECI represent 90% of the supported trainees, with a 40%-60% balance between women/men.

To further improve such statistics, the MC agrees to explicitly state, in all future calls, that TIDES encourages applications from women and is committed to promote gender balance.

b. Inclusiveness and Excellence

Following COST recommendations, both excellence (together with topical relevance of research project) and inclusiveness have been considered as criteria to select grantees. Here in Sesimbra, trainees from 7 inclusiveness countries (Bulgaria, Luxembourg, Malta, Poland, Portugal, Romania, Serbia) are attending the school supported by TIDES grants.

Implementation of gender balance, inclusiveness, and excellence needs to find a correct balance. The MC agrees that this has been achieved so far, but that as such combined selection criteria sometimes needs to overtake the sheer chronological order of applications, it may induce some lack of



understanding among applicants about the rules. The MC therefore agrees to clarify the general policies that will be followed for the selection, in the call for applications.

10. Follow-up of MoU objectives: progress report of working groups

Working Groups are holding meetings here in Sesimbra during the present week. The presence of many Early-Career Investigators, attending the school, is an excellent occasion to involve them in the scientific discussions on accomplishments, open problems, current directions and future projects. Working Group leaders present at the MC meeting briefly discuss the activities that have been carried on, but their reports will be upgraded by the end of the current week. WG leaders will present an update of their past and planned activities to the general audience the last day of the school, on Friday morning.

11. Scientific planning

a. Scientific strategy (MoU objectives, GP Goals, WG tasks and deliverables)

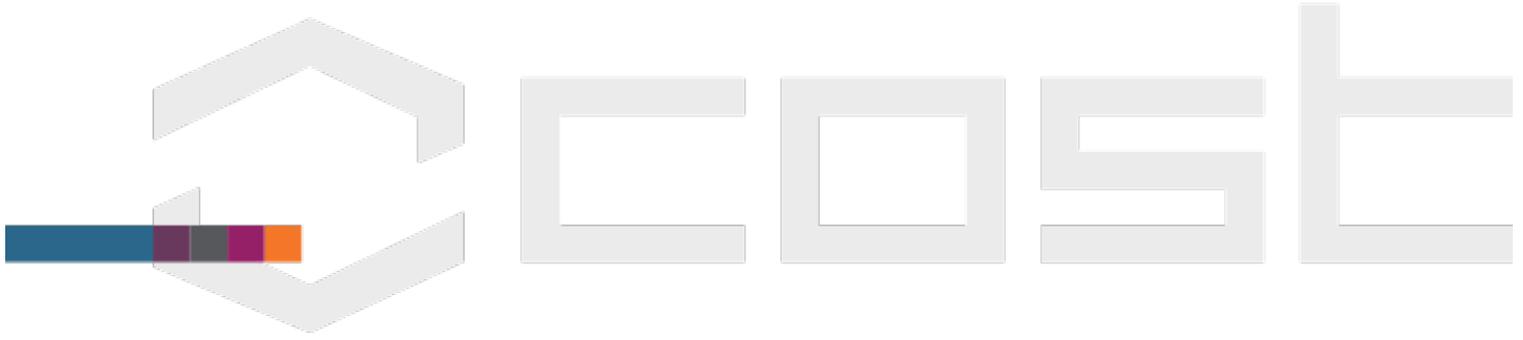
The Chair briefly recalls the objectives of the Action, as outlined in the MoU, and the specific goals of the current Grant Period (GP).

The specific main scientific topic for the current GP — following the planned progression of subjects, recalled earlier at point 8 of the Agenda, Monitoring of the Action — is the use of seismic noise, and the consequent goal is the improvement of the knowledge of the mechanisms of seismic ambient noise generation, propagation, scattering, and applications for earth imaging and monitoring at different scales and in different environments. This is in fact the topic of the current ongoing Training School, whose trainers are among the top experts in the field. Their presence in Sesimbra is an excellent opportunity both for experienced scientists, and for early-career researchers.

The TIDES Action also aims at improving the networking of laboratories, and fostering the scientific growth of young scientists, thus facilitating new directions and widening application of well-recognised techniques, through promotion of short-term scientific missions and exchange among laboratories. Again, the school and the continuing STSM program are successful instruments to pursue this goal.

The Chair informs the MC about initiatives to communicate current and planned Action activities to the research community at large, policy makers, and relevant industry (oil and gas, energy). TIDES has appeared to have co-sponsored a symposium at the past European Geosciences Union meeting (the largest geoscience conference in Europe) by initiative of Dr. Céline Hadziioannou. A similar initiative will take place in 2017. TIDES will appear on a dedicated article on a publication ('Impact' magazine) to be distributed in November to 35'000 readers worldwide, including stakeholders related to the environmental and Earth System Sciences field within universities, research institutes, national and regional funding agencies, policy, NGOs, government and private and public sectors including environmental agencies, natural resource management. TIDES, here in Sesimbra, is involving a group of secondary school students, who will visit to show the result of a science project on ocean wave amplification, and discuss about science career with lecturers and trainees. TIDES is encouraging all actors involved in its activities to explicitly recognise the support or inspiration received from the Action in the Acknowledgements in their publications, in order to increase awareness of its activities in the scientific community. TIDES is improving its visibility on the worldwide web, with a complete re-design of its web page and a new Facebook page. The Chair also invites all MC members to support visibility of TIDES within their research departments.

The general yearly meeting (such as the one here in Sesimbra) is a main instrument to monitor TIDES activities, plan future ones, and discuss possible adjustments, to ensure adherence of Action development to the planned goals. The simultaneous presence of early-career and experienced scientists provides an excellent opportunity to gauge the needs and expectations of the younger.



b. Action Budget Planning

The total budget assigned to the Action for the running Grant Period period amounts to 126 000 EUR. Given the current estimate for the Sesimbra Training School, Working Group meetings, and Management Committee meeting expenses, only slightly more than 10 000 EUR are expected to remain available for further scientific activities in the running Grant Period (ending April 30th, 2017). The MC agrees to devote the remaining resources to a new call for STSM, to be issued in October, on the consideration that STSMs have proven to be a successful and cost-effective instrument.

c. Long-term planning (including anticipated locations and dates of future activities)

Prof. Michel Campillo (representative for France) informs the MC that he is organiser of an advanced school, with target and topic similar to the TIDES school currently running here in Sesimbra, on *Passive imaging and monitoring in wave physics : from seismology to ultrasound* that will take place on June 5-9, 2017, in Cargese (Corse, FR). Prof. Campillo asks whether TIDES could provide a financial support for that school in order to support students for their participation. The MC Chair answers that this is possible at the only condition that TIDES is co-organiser of the meeting. It is also precised that the budget allocation for the 2017-2018 Grant period will be known only in April. Michel Campillo expresses his agreement with these conditions.

Another training school is planned for late June/ early July 2017, focused on the WG4 topic. The school would be combined again with the annual MC/WG/CG meeting. These events should welcome 100 participants. The place has to be decided by the core group amongst Sofia (Bulgaria), Utrecht, Oxford, Prague and Bratislava by end of October- early November in order to allow an efficient preparation of the event.

The last annual training school of TIDES, focused on WG5 topics should be hold during the 2017-2018 Grant Period. MC members have been asked to think about a potential place.

d. Dissemination planning (Publications and outreach activities)

MC members point out that works relevant to our Action topics should be collected and linked on TIDES website.

The MC chair informs that a new website is in construction and that a Facebook page has been created.

12. Requests to join the Action from:

a. COST countries

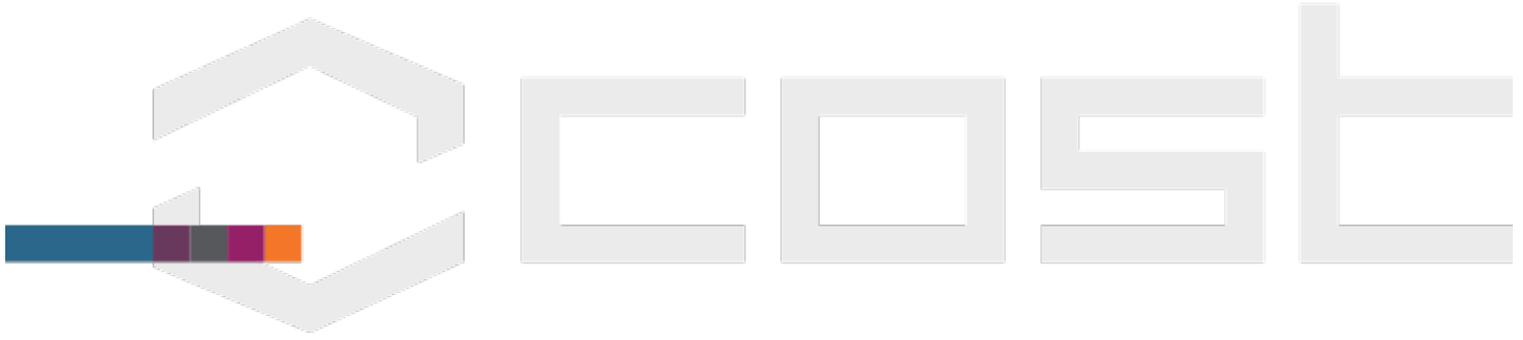
There are no new requests for affiliation to the Action.

b. Institutions in Near Neighbouring Countries, International Partner Countries, and/or Specific Organisations: EU agencies, European RTD Organisation, International Organisations

There are no new requests for affiliation to the Action.

13. AOB

There are no other business left to discuss.



14. Location and date of next meeting

The next MC meeting will take place, similarly as done this and the past year, at next year's Advanced Training School. The final location is still to be decided as offers from a few possible venues are being considered and finalised by the Chair, with the help from MC members from respective countries. A formal decision will be sought with an e-vote in the following weeks.

15. Summary of MC decisions

In total, 15 (out of 25) participating COST countries are represented at the MC meeting. The presence of at least two thirds Participating COST Countries is not met. No formal decisions have therefore been taken. The MC has expressed consensus on the issues discussed during the meeting, as described in these Minutes, but any formal decision on, e.g., location of the next year's training school will be taken through the electronic vote system.

16. Closing

With no other business left, the Chair thanks all participants and closes the meeting at 17:00.