

EMS-CDC

Report on activity '17

For the EC meeting in Portoroz, Slovenia

The CDC has been mostly involved in the following activities.

SIMONS FOUNDATION for Africa

We are approaching the end of the first of the program. We have 4 deadlines for evaluation per year (February 15, May 15, September 15, November 15). At each deadline, we have received applications of good quality to be funded.

We aim at a new round of advertising at capillary level to reach new potential applicants. We are confident that with the next year we will receive even more applications.

We recall that we have 2 major types of grants:

A1 research stays for experienced researchers, from postdocs onward (continuation in research)

A2 research stays for young researchers, PhD level

In addition we have two types of top-up grants

B for women

C for conference participation during a long research stay

Some figures. Note that the latest tranche with deadline November 15 is *still under evaluation*, marked with the numbers in the brackets (.)

Type	#applicants	f/m	Approved
A1	13	1/13	9 (+2)
A2	10	5/10	8 (+2)

Type B 8 applicants (necessarily all female) 1(+3) approved.

Type C Here we did not have meaningful applications. This is not regarded as a problem: this top-up grant is providing an extra possibility to attend a major scientific event during the time of a long research stay. The chances of this happening are quite thin. We want to keep this possibility still open in the future as a way to promote the visibility of African mathematicians. Revision/discussion about this can be taken during next CDC meeting.

Notes:

- 1) *For budget summary we refer to the EMS office, who is running the EMS-Simons account. At allocation we have allocated 38366,96 USD. This without the latest tranche of Nov.15 which is still under evaluation.*
- 2) *Not all the grantee have completed their stay yet, hence the actual use of the funding allocated is a smaller figure USD 24669..*

3) *We do not expect to use the whole amount at disposal USD 41667 during the first year 2017 since some of the research stay will actually take place in 2018.*

Procedures

After each deadline a small committee is screening through the applications and prepares a report. The report is then circulated among the CDC members with also help of the associates. The discussion is taken. The small committee is resuming and finalizing the decision.

The chair is writing to the applicants the result of the evaluation.

The report is sent to the EMS office and budget updated for the records.

The EMS office is then taking in hands the administration of the grant.

Joint work with the EMS office.

The EMS office is owner of the account for the project. Our liaison officer with the EC is the EMS Treasurer Mats Gyllenberg, whose work has been crucial for resolving all the legal practices with the US authorities to start the project and open a dedicated account in USD. The EMS office in the person of Elvira Hyvönen is helping in the administration of the funds to the grantees, the collection of documents, and the purchase of travel tickets of grantee when necessary.

The CDC thanks all the people involved in the EMS office and the EC for their personal engagement in this collaboration to make this project successful.

ERCE

After approval of last year EC, there will be a call for new ERCE in 2017.

The call is under preparation.

The procedures will present a deadline in February 15. First (on-line) discussion and report will start immediately after. The final discussion and summary will be taken at the CDC meeting in April. This will resolve in a recommendation for the EC decision. The announcement will be done after EC approval by the EMS President.

Reports on the running ERCE centres are going to be prepared for the CDC annual meeting. For this all the members and associate members will be active.

There is a need for advertising of the new call. Both the official EMS means and the CDC network will be used.

Centres that have completed their period are going to be considered separately of the new call.

Summary of the present centres:

Awarded mid 2013 end 2017

- Centro de investigación en matemáticas, Guanajuato Mexico
- Vietnam Institute for Advanced Studies in Mathematics

Awarded mid 2014 end 2018

- Institute for Advanced Studies in Basic Sciences, Zanjan, Iran
- Institute for Mathematical Research, Kuala Lumpur, Malaysia

Awarded mid 2016 end 2020

- University of Benin, Institute of Mathematics and Physics
- University of Botswana, Department of Mathematics
- Université Cadi Ayyad Morocco, Institute of Probability and Statistics
- Institute of Technology Bandung, Indonesia

ICM 2018 and IMU-CDC

In 2015 the IMU-CDC chair Wendera Ogana was invited to the EMS-CDC meeting in Oslo to which he participated by Video connection. Wendera Ogana is well known to many members of our committee.

The CDC has been invited to participate to the poster session on **Strengthening Mathematics in the Developing World** at the International Congress of Mathematicians (ICM) on Tuesday August 7, 2018 from 6 pm – 8 pm in Rio de Janeiro, Brazil. See attachment.

Other participating organizations:

African Institute for Mathematical Sciences (AIMS),
African Mathematical Union (AMU),
African Mathematics Millennium Science Initiative (AMMSI),
Brazilian Mathematical Society,
Centre International de Mathématiques Pures et Appliquées (CIMPA),
Eastern Africa Universities Mathematics Programme (EAUMP),
Heidelberg Laureate Forum and Klaus Tschira Foundation, IMU
Commission for Developing Countries (IMU-CDC),
IMU Committee for Women in Mathematics (IMU-CWM),
IMU Committee on Electronic Information and Communication (CEIC),
International Centre for Mathematical Sciences (ICMS),
International Centre for Theoretical Physics (ICTP),
International Commission on Mathematical Instruction (ICMI),
International Science Programme (ISP), Uppsala University,
Japan International Cooperation Agency (JICA),
London Mathematical Society (LMS),
Mathematical Council of the Americas (MCA)
National Board for Higher Mathematics (NBHM) ,
Research in Europe (Germany, the Netherlands)
Simons Foundation

Southeast Asian Mathematical Society (SEAMS)
Southern Africa Mathematical Sciences Association (SAMSA)
European Mathematical Society Committee for Developing Countries (EMS-CDC)
The World Academy of Sciences (TWAS)
Unión Matemática de América Latina y el Caribe (UMALCA)

CDC annual meetings and topics of for reflection for development

CDC Meeting in 2017 was held in Rome, Accademia Lincei

Topic of the round table

Experiences about teaching mathematics: from the Montessori methods to the Mediterranean Olympiads. The role of participation.

CDC Meeting in 2018 will be held in Sigtuna, Sweeden. April 7-8, 2018.

<https://en.wikipedia.org/wiki/Sigtuna> -

Sigtuna is considered to be the oldest city in Sweden, close to Arlanda Airport and with good connections there.

The topic of the round table, which is an occasion of reflection around the developing world and mathematics, is still to be defined. The local organizing committee is chaired by CDC vice-chair Leif Abrahamsson and it is done in collaboration with ISP, Uppsala.

CDC Members

The CDC is counting 9 members at present. In view of the activities that the committee is running we wish to maintain a good man-power.

See <http://euro-math-soc.eu/committee/developing-countries>

Two members are concluding their 2nd mandate at the end of this year.

Two members are terminating their 1st mandate in their position at the end of this year.

The two members at the end of the 1st mandate confirm their availability in taking up their task further.

The committee is preparing suggestions for new members for the EC to evaluated.

Oslo, November 15th, 2017

Giulia Di Nunno
CDC - Chair