

Book Donation Programme

Tens of tonnes of books and journals have been moved from Europe, USA and Canada, to Africa, South East Asia, and South and Central America.

Electronic Documentation

Workshops on electronic access have been organized in DCs.

Free access to Zentralblatt MATH (zbMATH)

zbMATH is the largest and longest running abstracting and reviewing service for peer reviewed mathematical literature. Its database zbmath.org provides meta-data, abstracts and reviews for about 3.2 million items. It provides links to its database swmath.org of more than 7.000 mathematical software packages. zbMATH has three non-profit editorial institutions: The European Mathematical Society (EMS), FIZ Karlsruhe, and Heidelberg Academy of Sciences, with Springer company as service provider.

Benefits for Developing Countries:

- Free access for institutions and individuals from DCs (email to: editor@zentralblatt-math.org).
- zbMATH-reviewers donate honoraria to the book donation programme of the EMS-CDC.
- Free access for participants during workshops and conferences.

Everybody is encouraged to use zbMATH.

Creating synergies

EMS-CDC meets every year in a different European country to share experiences and projects. It also organizes a round-table every year. In 2014 the topic was “*How to coordinate efforts for mathematics in developing countries ?*”



Members : Leif Abrahamsson (Uppsala), Giulia di Nunno (Oslo, vice-chair), Anna Fino (Torino), Gert-Martin Greuel (Kaiserslautern), Joana Teles (Coimbra), Ramadas Ramakrishnan Trivandrum (Trieste, ICTP), Paul Vaderlind (Stockholm), Fernando Rodriguez Villegas (Trieste, ICTP), Begoña Vitoriano (Madrid), Michel Waldschmidt (Paris, chair), Anders Wandahl (Stockholm), Alice Fialowski (Budapest, EMS liaison)

Associates : Lars Døvling Andersen (Aalborg), Claude Cibils (Montpellier, CIMPA), Herbert Fleischner (Vienna), Nick Gill (San Jose, Costa Rica, webmaster), Andreas Griewank (Berlin), Michel Jambu (Nice), Fabrizio Luccio (Pisa), Marie-Francoise Roy (Rennes), Michel Thera (Limoges), Tsou Sheung Tsun (Oxford, CIMPA)

European Mathematical Society Committee for Developing Countries



<http://euro-math-soc.eu/EMS-CDC/>

EMS-CDC assists developing countries (DCs) as follows

- Cooperating with local staff in developing mathematics curricula.
- Cooperating with local staff in conducting MSc and PhD programmes.
- Helping to build up libraries.
- Helping to provide electronic resources.
- Helping to build up regional centres and networks of excellence.
- Providing information about PhD grants.
- Mobilizing funds for researchers from DCs to attend conferences in developed countries.
- Mobilizing funds for the organization of conferences in DCs.

Email list of contacts :

euro-math-soc.eu/EMS-CDC/members.php

Recent support provided by EMS-CDC

We have supported Cambodian students (from the RUPP Master Program) to study in Vietnam, Philippines, India, and Malaysia.

We have supported a student from Indonesia to prepare a PhD in Pakistan.

We have supported students from Nepal to study in India and Malaysia.



We contributed to the *2nd African Women Mathematics workshop* of the African Mathematical Union held at AIMS (South Africa), which resulted in the creation of the African Women in Mathematics Association (AWMA).

We contributed to the Ibni Prize.

Emerging Regional Centres of Excellence (ERCE)

Among the emerging economical regions there are several very good centres which can train mathematicians to the Masters level and higher.

EMS selects, endorses and helps a number of such centres to offer training, up to MSc Level, for students from less developed countries in their region.

There are currently five ERCE:

ASSMS (ERCE 2011) The Abdus Salam School of Mathematical Sciences in Lahore, Pakistan.

VIASM (ERCE 2013) Vietnam Institute for Advanced Studies in Mathematics, Vietnam.



CIMAT (ERCE 2013) Centro de Investigación en Matemáticas, Mexico.

INSPEM (ERCE 2014) Institute For Mathematical Research, Malaysia.

IASBS (ERCE 2014) Institute for Advanced Studies in Basic Sciences, Zanzan, Iran.

A synergetic initiative : The Masters programme of the Royal University of Phnom Penh (RUPP)

The goal of this programme is to prepare young students to enter a PhD program in mathematics, or to enter mathematics-intensive careers in teaching or in industry.

The programme started in 2005 under the initiative of the International Center for Pure and Applied Mathematics (CIMPA) with the partnership of the Volunteer Lecturer Program (VLP). It was developed and sponsored by the Commission for Developing Countries of the International Mathematical Union (IMU), the United States National Committee for Mathematics, the International Society for Education (Toyota Foundation, Japan), several Japanese universities, several French universities (Paris 6, Nice, Marseille, INSA Rouen), and the International Science Programme (ISP, Sweden). The program has also received support from UNESCO and the “Agence pour la Francophonie” (AUF).

More than sixty students have completed the Masters. Fourteen Cambodian students have been admitted to PhD education abroad (in China, Thailand, France, Korea and Russia), and several others are completing their Masters degree abroad (in the Philippines, Thailand, Mexico, Malaysia and France). The first three PhD's have already returned to Cambodia.

The hope and plan is that these young mathematicians will gradually take over the Masters programme for mathematics at RUPP.