



Section C

The European Mathematical Society

Meeting of Presidents
Istanbul, April 12, 2014

C1: President's report

MEMBERSHIP

Numbers

- ▶ 58 full members (mathematical societies)
- ▶ 30 mathematical research centers (20)
- ▶ 11 mathematics departments and other scientific organizations (8)
- ▶ 2500 (approx.) individual members

EMS services to mathematicians

- ▶ Runs a large database of **jobs** announcements
- ▶ Runs a database of **scientific activities**: conferences, workshops, schools, etc. with **calendar**
- ▶ Collects **news** of interest
- ▶ Organizes and sponsors **scientific activities** (ECMs, Schools, workshops, etc.)
- ▶ Awards prestigious **prizes**
- ▶ Publishes mathematical journals and books at fair prices
- ▶ Is a partner of the **zbMATH** database
- ▶ Is the editor of **The Encyclopaedia of Mathematics wiki**
- ▶ Has ERCOM among its committees
- ▶ Is a partner of initiatives like EuDML, EU-Math-In
- ▶ Is lobbying for mathematics at European political institutions
- ▶ ...

COMMITTEES

- ▶ **Eleven** Committees (Applied mathematics, . . . , Women in Mathematics)
- ▶ News about **two** particular EMS committees at each edition of the EMS e-News
- ▶ A **Publications Committee** was appointed last year
- ▶ The Committee for Support to East European Mathematicians was transformed into a **Committee for European Solidarity**
- ▶ The Meetings Committee is becoming a Scientific Committee

Publications Committee

Takes up relevant questions related to **scientific publications** and in particular, mathematical publications.

Acts as advisory group of the Executive Committee on publication matters and on publication strategies.

Members

Bernard Teissier (chair)

Joan Elias

Rui Loja Fernandes

Tim Gowers

Pierangelo Marcati

Tomaz Pisanski

Work in progress: *First draft of recommendations for a position of the EMS on Open Access.*

Committee for European Solidarity

- ▶ Grants to young qualified mathematicians to attend conferences abroad (up to 900 Euros)
- ▶ Grants for the organisation of activities, such as advanced courses, workshops, regional conferences (up to 3000 Euros)
- ▶ Advice and assistance about the launching of development projects

PUBLICATIONS

- ▶ **EMS Monograph award**. Next deadline June 30, 2015

Winners:

“Foundations of Garside Theory” by P. Dehornoy, F. Digne, E. Godelle, D. Krammer, J. Michel

“Topics in Elliptic PDEs and Measure Theory” by A. Ponce.

- ▶ **New Journals**

- ▶ *Surveys in Mathematical Sciences*

- ▶ *Journal of Fractal Geometry*

- ▶ *Annales de l'Institut Henri Poincaré D*, Combinatorics, Physics and their Interactions

- ▶ Number of journals: 18 (8+10)

- ▶ **Future?**

C2: Council 2014

Donostia (San Sebastián), June 28-29, 2014

Hosted by the *University of the Basque Country*

- ▶ Delegates have been appointed
- ▶ Next: letter convening the meeting
- ▶ Agenda:
 - more visibility of committee's work;
 - slight modification of the budget structure;
 - paper on Open Access (?)
- ▶ **Suggestions?**

Vacancies at the EC

Officers

Nominations by the EC

President: Pavel Exner, Czech Academy of Sciences

Secretary: Sjoerd Verduyn Lunel, University of Utrecht

Treasurer: Mats Gyllenberg, University of Helsinki

Members at large

One vacancy

C3: Scientific Activities

Call for proposals for activities in 2015

<http://www.euro-math-soc.eu/node/3266>

- ▶ EMS lecturer. Deadline **April 30**
- ▶ Joint Mathematical Weekends. Deadline **August 31**
- ▶ EMS Summer Schools. Deadline **September 30**
- ▶ Distinguished speaker
- ▶ Special Activities
- ▶ Activities Sponsored by the EMS

Evaluation and recommendation by the Meetings Committee

Scientific activities in 2014

EMS Lecturer 2014

Miguel Ángel Herrero (Bilbao Congress and Rome)

Mathematical modelling and simulation in biomedicine

EMS Summer Schools

- ▶ Four EMS Summer Schools in Applied Mathematics
- ▶ ESI-EMS-IAMP School on Mathematical Relativity, Vienna, July 28-August 1
- ▶ Two EMS Summer Schools 2014

Activities Sponsored by the EMS

- ▶ International Meeting RSME-SCM-SEMA-SIMAI-UMI Bilbao, June 30 - July 4, 2014
- ▶ Caucasian Mathematics Conference, Tbilisi, Georgia, September 5 and 6, 2014

Future activities

▶ 2015

- ▶ AMS-EMS-PMS International Meeting, Porto 10-13, June 2015. Call for the organisation of Special Sessions is open
- ▶ 25th anniversary of the EMS. A day at IHP, with two lectures, a round table and some social event, like film projection
- ▶ Those resulting from the *Call for EMS Scientific Activities*

▶ 2016

- ▶ 7ECM, Berlin, July 18-22

C4: Other Activities

EU-MATHS-IN

<http://www.eu-maths-in.eu/>

- ▶ A network of Mathematics for Industry and Innovation promoted by the EMS and ECMI.
- ▶ Members are national networks in industrial mathematics: France, Germany, Italy, Spain, The Netherlands, UK, Hungary and Poland.
- ▶ Service unit for exchanges of mathematical research and exploitation for innovation, industry, science and society.
- ▶ Bridge between academic research groups and industry.

European Digital Mathematics Library (EuDML) Initiative

<https://eudml.org/>

- ▶ Gateway to electronic publications and repositories of data providers
- ▶ 12 founding members: EMS, FIZ Karlsruhe, ICMCM Warsaw, U. of Grenoble, Czech Academy of Sciences, ... , UMI
- ▶ Data, tools and services assembled or created in the EU funded EuDML project (2009-2013)
- ▶ Contribution to the World Digital Mathematics Library

C6: Mathematics Research in Europe

Horizon 2020

- ▶ **November 2013:** Adoption of legislative acts by Parliament and Council on Horizon 2020
- ▶ **December 2013:** First calls published
- ▶ **Of special interest for mathematicians**
 - ▶ Marie Skłodowska-Curie Actions
 - ▶ ERC grants

Statistics on Marie Curie Actions in the 7th FP

| Total | Mathematics | % |
|--------------------------|------------------|-------|
| 4.400 billion Euros | 95 million Euros | 2,2 % |
| 18.000 host institutions | 682 | 3,8 % |
| 21.500 fellows | 513 | 2,4 % |

Problems

- Open call for experts
- Budget is proportional to the number of applications

Miscellanea

- ▶ Jean-Pierre Bourguignon President of ERC.
- ▶ Cédric Villani was appointed member of an advisory group of President José Manuel Barroso on scientific and technology issues.
- ▶ Laszlo Lovasz and Karl Sigmund members of the Committee PHYCHEMA of Science Europe.
- ▶ COST (an intergovernmental framework for European Cooperation in Science and Technology) supported a conference on applied mathematics.
- ▶ Participation in the platform *Initiative for Science in Europe*.