

Report from CIAEM / IACME to ICMI 2012-2016

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Strengthening the IACME-ICMI Relationship

One of the most important achievements of IACME during the year 2012-2016 has been the strengthening of its connections to the international Mathematics Education community, particularly with ICMI. This relationship manifested itself in the support that IACME has been able to provide to CANPs 2 and 5, ICME-13, the creation and development of *Red de América Central y El Caribe (REDUMATE)* and the *Congresos de Educación Matemática de América Central y El Caribe (CEMACYC)*. ICMI has provided support in various ways to IACME XIV (with speakers and funding), and by emphasizing IACME's place as the ICMI-affiliated multinational organization in the Americas.

It should be highlighted that the IACME Executive Committee has promoted a more harmonious and collaborative relationship with other Mathematics Education organizations in the region: the *Comité Latinoamericano de Matemática Educativa (CLAME)* and the *Federación Iberoamericana de Sociedades de Educación Matemática (FISEM)*. This initiative can be seen in dissemination of their activities in all of IACME's websites, and participation of IACME leaders in their events.

ICMI's participation in Latin America has increased in recent years.

Relevant to all these actions has been IACME's President's role as Vice President of ICMI from 2008 to 2016.

Carrying Out IACME XIV



There were almost 1000 participants from 23 countries and more than 500 presentations (communications, workshops and posters) in the the *XIVth Inter-American Conference on Mathematics Education (IACME XIV)* that was held in Tuxtla Gutiérrez, Chiapas, México, from May 3 to 7, 2015.



Some of the local organizers and student aides from Chiapas in IACME XIV



The IACME President presents a welcoming message from Ubi D'Ambrosio

Keynote addresses were presented by Michèle Artigue (France), Carlos Vasco (Colombia), Diane Briars (USA), Abraham Arcavi (Israel-Argentina), Celia Hoyles (United Kingdom), María Teresa Tatto (USA) and Alicia Ávila (México). Each Keynoter also met with participants in special time slots called *Dialogues* for further conversations and interchanges.

A Plenary Roundtable, organized by the *Red de Educación Matemática de América Central y El Caribe (REDUMATE)* included participation from Carlos Sánchez (Cuba), Nelly León (Venezuela), Edison de Faría (Costa Rica), and Luis Carlos Arboleda and Jhony Villa (Colombia).

The event had parallel sessions and mini-courses presented by invited academics. Among those invited were Gabriele Kaiser (Germany), Richard Noss (United Kingdom), Manuel Santos (México), Gert Schubring (Germany), José Chamoso (Spain), José Luis Lupiáñez (Spain), Arthur Powell (USA), Alessandro Ribeiro (Brazil), Roberto Araya (Chile), Gilberto Obando (Colombia), and Uldarico Malaspina (Perú).

There was a total of 49 invited international speakers.

The two main themes of the Conference were *Preparation of Mathematics Teachers* and *The Use of Technology in Mathematics Education*.

Complete versions of all the Works presented at the event will be available at <http://xiv.ciaem-iacme.org> and <http://ciaem-redumate.org/memorias-ciaem/xiv/#>

The Luis Santaló Medal

The second *Luis Santaló Medal* was awarded to Michèle Artigue for her scholarly achievements, close relationship with and support of Latin America, and participation in and support of IACME activities.

In this period the *Luis Santaló Medal* has become well-established.

Election of the 2015-2019 IACME Executive Committee

During IACME XIV the General Assembly of IACME the following officers were elected for 2015 to 2019:

Executive Committee

- Angel Ruiz (Costa Rica). President
- Eduardo Mancera (México). First Vice President
- Patrick Scott (USA). Second Vice President
- Claudia Groenwald (Brasil). Secretary

Regional At-Large Members

- Eduardo Basurto (México). North America
- Hugo Barrantes (Costa Rica). Central America
- Sarah González (Dominican Republic). The Caribbean
- Jhony Villa (Colombia). Andean Region
- Gustavo Bermúdez (Uruguay). Southern Cone
- Alessandro Ribeiro (Brazil). Luso-America.



IACME Officers, from right to left:
Eduardo Mancera, Eduardo Basurto, Patrick Scott,
Hugo Barrantes, Claudia Groenwald, Jhony Villa,
Alessandro Ribeiro and Angel Ruiz.

Joint Publications NCTM-IACME

In 2015 and 2016 agreements were established between IACME and the *National Council of Teachers of Mathematics (NCTM)* to translate into Spanish and print two important books: *Principles to actions:*

ensuring mathematical success for all (in 2015) and 5 Practices for orchestrating productive mathematics discussions (in 2016). This has led to further collaboration between IACME and NCTM.



Image of the cover of *De los principios a la acción*.

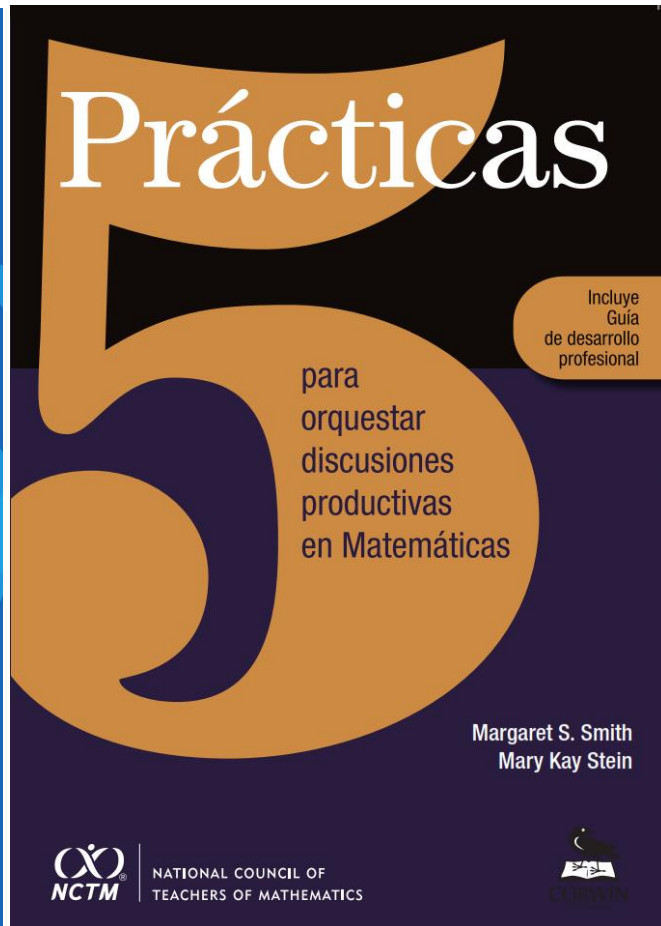


Image of the cover of *5 prácticas*

Joint IACME-NCTM Session at ICME-13 in Hamburg

IACME has organized in collaboration with NCTM a presentation in ICME-13 ICME 2016 *Principles to Actions, theory and experiences (a joint session NCTM and IACME)*. This is being developed as a space that IACME has as an affiliate organization of ICMI.

It is scheduled for Saturday, July 30, from 16:30 to 18:00.

IACME Publications in the journal *Cuadernos de Investigación y Formación en Educación Matemática*

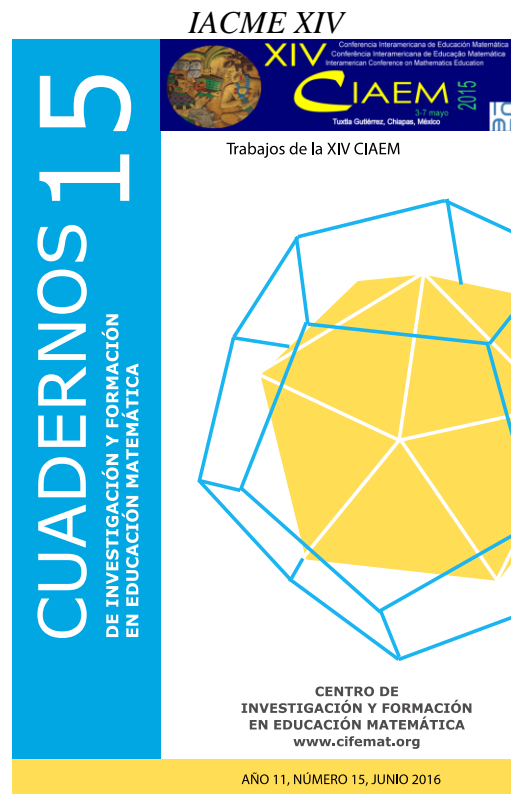
Works presented in IACME XIII and XIV have been published in the journal *Cuadernos de Investigación y Formación en Educación Matemática*. These publications include the Keynotes, Parallel Sessions and Roundtables invited by the Program Committee.



<http://revistas.ucr.ac.cr/index.php/cifem/issue/view/1079>



<http://revistas.ucr.ac.cr/index.php/cifem/issue/view/1518>

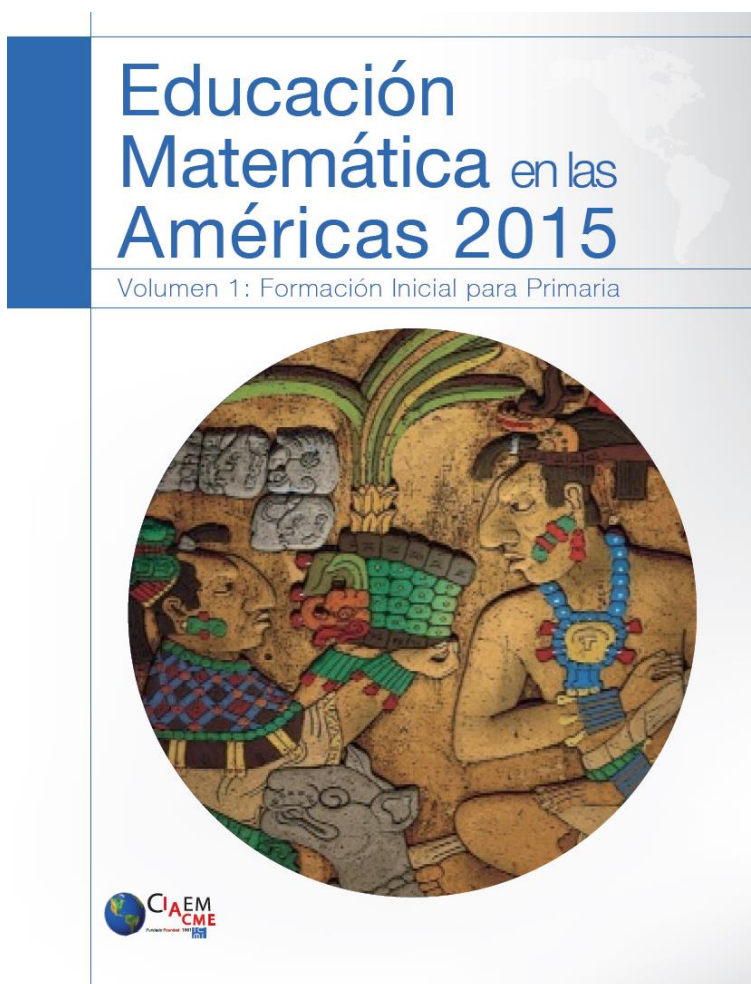


<http://revistas.ucr.ac.cr/index.php/cifem/issue/view/2122>

Publication of the IACME XIV Proceedings

In 2016 the *Proceedings* of IACME XIV will be published in 18 volumes (around 6,000 pages) and can be downloaded from <http://ciaem-redumate.org/memorias-ciaem/xiv/#>. These collected the Communications, Mini-Courses, Workshops and Posters presented during the event:

- Volumen 1 *Educación Matemática en las Américas 2015: Formación Inicial para Primaria*
- Volumen 2 *Educación Matemática en las Américas 2015: Formación Inicial para Secundaria*
- Volumen 3 *Educación Matemática en las Américas 2015: Formación Continua*
- Volumen 4 *Educación Matemática en las Américas 2015: Uso de Tecnología*
- Volumen 5 *Educación Matemática en las Américas 2015: Etnomatemática y Sociología*
- Volumen 6 *Educación Matemática en las Américas 2015: Currículum, Evaluación y Competencias*
- Volumen 7 *Educación Matemática en las Américas 2015: Investigación*
- Volumen 8 *Educación Matemática en las Américas 2015: Estadística y Probabilidad*
- Volumen 9 *Educación Matemática en las Américas 2015: Geometría*
- Volumen 10 *Educación Matemática en las Américas 2015: Álgebra y Cálculo*



- Volumen 11 *Educación Matemática en las Américas 2015: Educación Primaria*
- Volumen 12 *Educación Matemática en las Américas 2015: Historia y Epistemología*
- Volumen 13 *Educación Matemática en las Américas 2015: Nuevos Enfoques y Relación con otras áreas*

- Volumen 14 *Educación Matemática en las Américas 2015: Necesidades Especiales*
- Volumen 15 *Educación Matemática en las Américas 2015: Resolución de Problemas*
- Volumen 16 *Educación Matemática en las Américas 2015: Modelación*
- Volumen 17 *Educación Matemática en las Américas 2015: Talleres y Minicursos*
- Volumen 18 *Educación Matemática en las Américas 2015: Posters*

Support for the Red de Educación Matemática de América Central y El Caribe (REDUMATE)

IACME has supported REDUMATE since its founding in 2012. Later it supported the *I Congreso de Educación Matemática de América Central y El Caribe (I CEMACYC)*, that took place in November of 2013 in Santo Domingo, Dominican Republic. The support provided by IACME to this event included an International Program Committee, Keynote and Parallel Session speakers, and translation into English and Portuguese of the web site and manual for the congress.

CEMACYC I had over 600 participants, and 150 presentations with 230 speakers from 19 countries: Argentina, Armenia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, France, Germany, Guatemala, México, Perú, Portugal, Puerto Rico, Spain, the United States and Venezuela.

The Keynote speakers were Ubiratan D'Ambrosio (Brazil), Michèle Artigue (France), Luis Radford (Guatemala-Canada), Salvador Llinares (Spain), Patrick Scott (USA) and Eduardo Mancera (México). Fourteen more invited speakers from Brazil, Colombia, Cuba, Costa Rica, Spain, the United States and Venezuela also contributed substantially to the scientific program. The *Proceedings* can be downloaded from <http://ciaem-redumate.org/memorias-icemacyc/>



Presentation of a special recognition to Dr. Eduardo Luna, in the opening ceremony of the I Congreso de Educación Matemática de América Central y el Caribe



Participants in the General Assembly of the Red de Educación Matemática de América Central y El Caribe

The congress was organized by an International Program Committee headquartered in Costa Rica and a Local Organizing Committee formed by academics from various institutions in the Dominican Republic.

On November 5, 2013, REDUMATE had a General Assembly with 28 participants from the region and beyond. This important Assembly recognized the significant progress that had been made in less than 14 months: dissemination and projection in various countries, development of work groups, publication

of national reports, building of a virtual community, and the organization of CEMACYC I. Information can be found in <http://i.cemacyc.org>

Keynotes and Parallel Sessions were published in *Cuadernos* <http://revistas.ucr.ac.cr/index.php/cifem/issue/view/1848>:



The image shows two covers. On the left is the cover of 'CUADERNOS 12 DE INVESTIGACIÓN Y FORMACIÓN EN EDUCACIÓN MATEMÁTICA', featuring a red geometric shape and the text 'Trabajos del I CEMACYC' and 'CENTRO DE INVESTIGACIÓN Y FORMACIÓN EN EDUCACIÓN MATEMÁTICA www.cifemat.org'. On the right is the website for 'II CEMACYC II Congreso de Educación Matemática de América Central y El Caribe', held from October 29 to November 1, 2017, in Cali, Colombia. The website includes a navigation menu with 'INICIO', 'ACERCA DE...', 'INGRESAR', 'CUENTA', 'BUSCAR', and 'ANUNCIOS'. It also features a language dropdown set to 'Español (España)' and a sidebar with 'Información sobre el Congreso' containing links for 'Inicio', 'Temas', 'Comités científicos', 'Directores de tema y plataforma', 'Oradores principales', and 'Sede del evento'.

In 2016 the organization of the *II Congreso de Educación Matemática de América Central y El Caribe*, to be held in Cali, Colombia, from October 29 to November, 2017, was initiated. The information can be found in <http://ii.cemacyc.org>

The network has an important Facebook page: <https://www.facebook.com/redumate/?fref=nf>

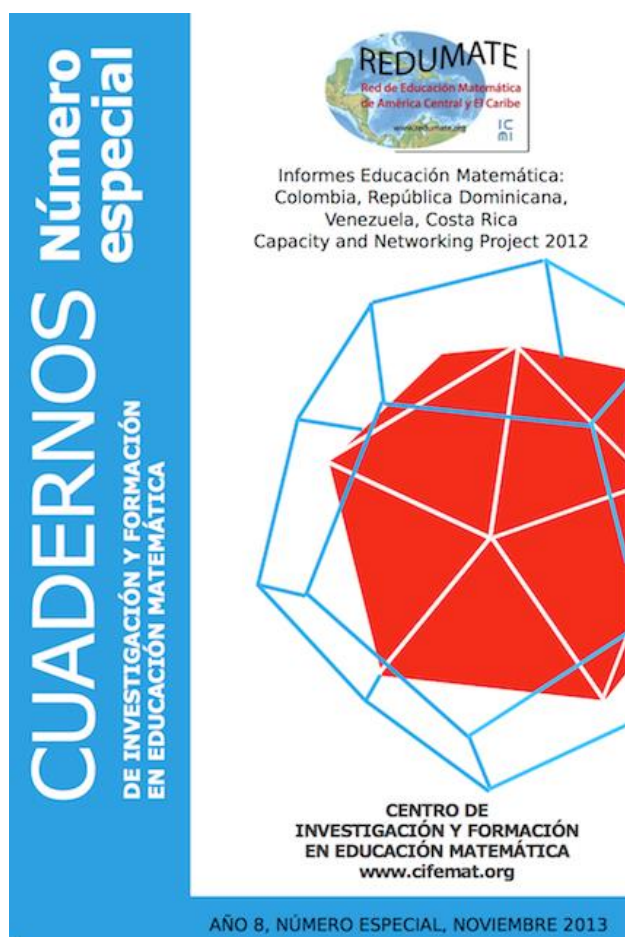
Support for CANP 2 (2012) and CANP 5 (2016)

IACME supported ICMI's Capacity and Networking Project (CANP 2) in Costa Rica in 2012. It also supported CANP 5 in Lima, Perú in February of 2016 which led to the founding of the *Comunidad de Educación Matemática de América del Sur* (CEMAS). The support has been the participation of IACME officers in the event and consultation during the organization processes.

National Reports from Colombia, Costa Rica, the Dominican Republic and Venezuela in *Cuadernos*

As a product of CANP 2 in Costa Rica, national reports from participating countries were published in the journal *Cuadernos*. <http://revistas.ucr.ac.cr/index.php/cifem/issue/view/1281>

Editing the documents and publishing them online was directed by the IACME President.



National Reports from Colombia, Costa Rica, the Dominican Republic and Venezuela by Springer

A summary of the CANP 2 national reports, edited by Angel Ruiz, will be published by Springer Verlag in an English translation by an IACME Vice President (Patrick Scott).

Support for the Publication of National Reports from Bolivia, Ecuador, Paraguay and Perú

With the support of IACME, the national reports written by the countries that participated in CANP 5 are being edited. These documents will be published in *Cuadernos*.

Strengthening the Mathematics Education Virtual Community in the Americas

During the last few years the IACME website has been revised so that it can also serve as a virtual network where participants can receive information, and provide their ideas and opinions: <http://ciaem-redumate.org/ciaem/?q=es/principal>. Similarly, this virtual community is strengthened on Facebook: <https://www.facebook.com/ciaem>.

The IACME community is the main point of reference for Mathematics Education in the region.

IACME XV

The organization of the following Conference for July 2019 (Medellín, Colombia) began. The website is under construction:



Conferencia Interamericana de Educación Matemática
Conferência Interamericana de Educação Matemática
Inter-American Conference on Mathematics Education

xv.ciaem-iacme.org

Medellín, Colombia: julio 2019



[INICIO](#) | [ACERCA DE...](#) | [INGRESAR](#) | [CUENTA](#) | [BUSCAR](#)

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XV Conferencia Interamericana de Educación Matemática

Eventos programados

No existen eventos activos actualmente. Por favor compruebe los ficheros de anteriores eventos programados.



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Notificaciones

<http://ciaem-redumate.org/conferencia/index.php/xvciaem>