

REGIONAL PROGRAM MATH-AmSud
11th CALL FOR PROPOSALS
Year 2018

1. The regional program MATH-AmSud

The Regional Program MATH-AmSud is an initiative of the French cooperation and their counterparts from Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela, aimed to promote and strengthen the collaboration and to create networks of research and development in the field of mathematics, for the realization of joint projects through the mobility of investigators.

Its **specific objectives** are:

- to develop the cooperation in the field of mathematics, through the exchange of researchers and students among South American countries involved and France.
- to support basic and applied research projects containing a dimension of potential transfer and technological innovation, with a regional component, between France and at least two South American partners.
- to foster, in South America, synergies with other multilateral and regional programs in this area, particularly with the European Union.
- to promote the participation of young researchers in order to ensure long-lasting cooperation networks.

The program MATH-AmSud is composed by two committees:

a) Steering Committee, consisting of:

- By the French side, by representatives of the Ministry of Europe and Foreign Affairs (MEAE), the National Center for Scientific Research (CNRS), and the National Institute for Research in Computer Science and Control (INRIA);
- By the South American side, by representatives of the Ministry of Science, Technology and Productive Innovation of Argentina (MINCYT), the University Mayor de San Andrés (UMSA) of Bolivia, The Bolivian Mathematical Society (SoBolMat), the Coordination of Improvement of Senior Staff of the Ministry of Education of Brazil (CAPES), the National Commission for Scientific and Technological Research of Chile (CONICYT), the National Council of Science and Technology of Paraguay (CONACYT), the National Council of Science, Technology and Innovation Technology of Peru (CONCYTEC), the National Agency of Investigation and Innovation of Uruguay (ANII), the Mathematic Modeling Center of the University of Chile (CMM), The Faculty of Mathematics of the Pontifical Catholic University (PUC) of Chile, the Institute of Pure and Applied Mathematics of Brazil (IMPA), the Institute of Mathematics and Related Sciences of Peru (IMCA), the Ministry of Popular Power of Higher Education, Science and Technology of Venezuela (MPPEUCT), the Administrative Department of Science, Technology and Innovation of Colombia (Colciencias), the Higher Education Secretariat of Science, Technology and Innovation of Ecuador (SENESCYT).

b) Scientific Committee, consisting of:

- By the French side, by representatives of CNRS and INRIA;

- By the South American side, by scientists appointed by MINCYT, UMSA, SoBolMat, CAPES, CONICYT, CONACYT, CONCYTEC, ANII, CMM, IMPA, IMCA, Mathematics Faculty of the PUC Chile, SENESCYT, COLCIENCIAS, MPPEUCT.

2. Call for Projects Schedule

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| December 15 th , 2017 | Opening of the call. The form is available on the website of the program MATHAmSud: http://sticmathamsud.org/ , and the web sites of each participating agency. |
| May 15 th , 2018 | End of Call |
| November 2018 | Publication of the results |
| January 2019 | Beginning of selected projects |
| October 1 st , 2019 | On-going report submission |
| March 31 th , 2021 | Final report submission of the projects to the Programs' Secretary |

2. Instructions for the submission of proposals

○ Type of cooperation

Presentation of joint research and development projects that include **exchange of researchers (research stays)** among the participating teams but also workshops and/or intensive schools (short courses) with participation of researchers and students.

○ Themes

The call is open to all topics related to Mathematics.

○ Duration of projects

Each project will have a duration of **two years**.

The international coordinator must submit the on-going report of the project before **October 1st, 2019**. After the completion of the first year of the project, and according to the on-going report, the Steering Committee will decide to continue the support for the second year.

○ Participants

- Any researcher from public or private research units or laboratories, linked to institutions of higher education, research organizations or companies, may apply for projects.
- Each project must involve at least one French research group and at least two research groups belonging to two of the South American countries which participate in the program.

○ Funding

- The funding will be delivered annually.
- The financing modalities are the following: **the agency that sends pays for the travel costs and the accommodation costs of its own researchers.**

- The costs shall be detailed by mentioning the amount of missions, the goal of each mission, the duration, the country of destination, and the name of the beneficiary.
- The budget should indicate the requested funding from :
 - each South American agency that participates in the program.
 - the French Ministry of Europe and Foreign Affairs
 - the French laboratories or institutions participating in the program
 - the other financial sources external to the program
- It is highly recommended to contact each national institution participating in the program for any questions regarding the funding requested. The contacts are in the annex.
- The approved funding is subject to the annual budget availability of the different agencies.
- As a reference, the institutions of the program jointly contribute an annual amount of € 10 000 to € 15 000 per project.

- o Duration of missions¹

- The duration of missions may not exceed 30 days.
- It is strongly recommended that the duration of the missions between France and South America, in either direction, should not be less than 10 days, and that the duration of the missions between countries in South America should not be less than a week.
- There must be at least one travel from France to South America and one from South America to France.
- The organization of a workshop in South America gathering all the research team will be positively valued.
- The project must clearly mention the modalities of participation of young researchers (missions, activities, etc.), which will be positively valued.

- o Intellectual Property

The international project coordinators should take into account the necessary provisions for the protection of intellectual property.

- o Modalities and selection criteria

- Revision of projects in administrative terms by each agency.
- Scientific assessment made by international experts chosen by the Scientific Committee of the program.
- Review of the international assessments and classification of the projects by the Scientific Committee.
- Selection and approval of projects by the Steering Committee, based on international assessment, the report of the Scientific Committee and the available budget.
- In addition to scientific excellence, the main criteria for selecting projects are:
 - The innovative character
 - The creation of new international collaborations,
 - The complementarity of the participating research teams,
 - The mutual transfer of expertise and innovation,
 - The background of the research groups,
 - The participation of postdoctoral students or young researchers in the exchanges.

¹ CAPES and CONACYT do not finance short stays/work missions of PhD students.

- The promotion and value of joint research activities (scientific co-publications, seminars, workshops, joint patents).

- o Coordination

In each participating institution a Scientific Coordinator should be designated. Among them will be designated the project International Coordinator.

- o Launching of projects

- The approval or rejection of the project will be formally notified to the International Coordinator by the MATH-AmSud program Secretariat.
- In addition, the approval of the project will be formally notified to every Scientific Coordinator and to the Secretariat by the corresponding institution.
- For the approved projects, each financing agency will inform its corresponding participants about the granted funds and the disbursement schedule.
- The International Coordinator of each project must submit to the Secretary of the MATH-AmSud Program two reports: the ongoing report on October 1st of the first year of development, and the final report in a period not exceeding three months following the completion of the project (31th of march 2021).
- The following will be considered in the evaluation of the final report: co-publications, patents, thesis realized in the project, networks created and other types of collaboration.
All documents produced as part of this collaboration will explicitly indicate the financial support received by the MATH-AmSud Regional Program, using the following format: Regional Program MATHAMSUD + project code.
- **National and international coordinators that have finished a project can present a new research project, once the final report is sent to the Secretariat. If approved, the execution of this new project will be subject to the approval of the final report of the previous project.** The project must propose a new research topic.
- The priority will be given to projects emanating from teams that didn't received grant in the last two years previous the new call.
Also, teams which include PHD or post-doctorals students will be given priority

- o Project submission

- The International Coordinator must send by e-mail the project form completed **in English in .pdf including the CVs of all coordinators** to the Secretariat of the program MATH-AmSud: contacto@sticmathamsud.org, before **May 15th, 2018 at 24 hs (Chile)**.
- **Brazilian investigators must also present their project to CAPES until May 31th 2018 on the website of the program. The International coordinator of the project must also send it to the Secretariat of the program before May 15th 2018.**
- Colombian investigators who ask for grant to Colciencias have to be recognized in the 3 categories system of this institution.
- **Peruvian researchers must also register their participation by May 16th 2018, 13:00 GMT-05 at Cienciactiva (<http://www.cienciactiva.gob.pe/>).**
- **Argentinian researchers interested in submitting projects will have to contact MINCyT: bilateral@mincyt.gob.ar, in order to acknowledge and accept the funding conditions of the MINCyT for this call.**

Forms for the submission of projects are available

on the website of MATH-AmSud <http://sticmathamsud.org/>
from December 15th, 2017 to May 15th, 2018 at 24.00(GMT Chile)
 and the websites of each participating agency

Additional information:

Programme MATH-AmSud Secretariat at Santiago Chile
contacto@sticmathamsud.org
 Tel.: (56 2) 365 44 21/44 32

**IT IS STRONGLY RECOMMENDED TO CONTACT THE ORGANISMS
 PARTICIPATING IN THE PROGRAM FOR ANY QUESTIONS RELATED TO THE
 MOUNTING OF THE PROJECT**

Contacts

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| MINCYT: | Dirección Nacional de Coordinación e Integración Institucional Av. Godoy Cruz 2320 C1425FQD Buenos Aires Tel.: (+54-11) 48 99 5000 int. 4116 www.mincyt.gov.ar Contact: Karina Pombo – kpombo@mincyt.gov.ar - coordinator Juan Manuel Brückner jbruckner@mincyt.gov.ar – Assistant and inquiries | ARGENTINA |
| UMSA/ SoBolMat: | Universidad Mayor de San Andrés Sociedad Boliviana de Matemática de Bolivia Av. Villazón N° 1995, Plaza del Bicentenario - Zona Central Ciudad de La Paz. Estado Plurinacional de Bolivia +591 2 2441963 http://www.umsa.bo/ Contact: Dr. Waldo Albarracín Sánchez – rrji@umsa.bo | BOLIVIA |
| CAPES: | Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, CGPR/CAPES Setor Bancário Norte, Quadra 2, Bloco L, Lote 06, CEP 70040-020 Brasília, DF MATH: http://www.capes.gov.br/cooperacao-internacional/multinacional/programa-regional-math-amsud STIC: http://www.capes.gov.br/cooperacao-internacional/multinacional/programa-stic-amsud-capes Contact: Marianna Papa MATH: mathamsud@capes.gov.br STIC: sticamsud@capes.gov.br | BRASIL |
| IMPA: | Instituto Nacional de Matemática Pura e Aplicada Estrada Dona Castorina 110, Rio de Janeiro Tel: (+55) 21 2529 5000 http://www.impa.br/opencms/pt/ Contact: Alfredo Iusem: iusp@impa.br | |

- CONICYT:** Programa de Cooperación Internacional **CHILE**
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www.conicyt.cl
Contacto: Rodrigo Monsalve – rmonsalve@conicyt.cl
- Facultad de Matemáticas de la PUC** Avda. Libertador Bernardo O'Higgins 340 - Santiago - Chile
 Contact: Alejandro Ramirez – aramirez@mat.puc.cl
 Marta Garcia Huidobro – mgarcia@mat.puc.cl
- CMM:** Centro de Modelamiento Matemático
 Av. Beauchef 851, Edificio Norte – Piso 7
 CP 837 0456
 Santiago de Chile
 tel +56 2 2978 4870
<http://www.cmm.uchile.cl/>
 Alejandro Jofre ajofre@dim.uchile.cl
- CONACYT:** Consejo Nacional de Ciencia y Tecnología **PARAGUAY**
 Dr. Justo Prieto N° 223 entre Teófilo del Puerto y Nicolás Billof
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 María Teresa Casal Gayoso - mcazal@conacyt.gov.py
- CONCYTEC:** Consejo Nacional de Ciencia, Tecnología e Innovación Tecnológica **PERÚ**
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Contact:
 Jorge Achata - jachata@cienciactiva.gob.pe
 Dr. Víctor Garcia - vgarcia@concytec.gob.pe
- IMCA:** Instituto de Matemáticas y Ciencias Afines
 Calle Los Biólogos 245 - Urb. San César -
 La Molina, Lima
 Tel: (+51)349 1892
<http://imca.edu.pe/portal/index.php/es/>
 Contact: Roger Metzger - metzger@imca.edu.pe
- ANII:** Agencia Nacional de Investigación e Innovación **URUGUAY**
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| COLCIENCIAS | Departamento Administrativo de Ciencia, Tecnología e Innovación - COLCIENCIAS AV. Calle 26 No. 57-83 Torre 8. Piso 2 al 6 <u>Contacts:</u> Ángela María Jaramillo Gómez- amjaramillo@colciencias.gov.co Renzo García - rlgarcia@colciencias.gov.co | COLOMBIA |
| MPPEUCT | Ministerio del Poder Popular Para Educación Universitaria, Ciencia, Tecnología Av Universidad Esquina El Chorro- Torre Ministerial Caracas – Venezuela Tel: (58212) 5557565 Contact: Jorge Ernesto Ernesto Rodriguez – jorodriguez@suscerte.gov.ve José Joaquin Contreras jcontreras@cenditel.gob.ve | VENEZUELA |
| SENESCYT | Secretaría de Educación Superior, Ciencia, Tecnología e Innovación Whymper E7-37 y Alpallana Tel +593 2 290 3249 extensión 118 170516 / Quito – Ecuador Contact: Jandry Daniel Fernández Iñiguez - jfernandez@senescyt.gob.ec Marco Casco - m.casco@gmail.com Juan Pablo Puchaicela - jpuchaicela@senescyt.gob.ec | ECUADOR |
| MEAE : | Delegación Regional de Cooperación para América del Sur Condell 65, Providencia – Santiago, Chile Tel. : (+56) 2 2 4708007 www.franceamsud.org <u>Contact:</u> Laetitia Quilichini – laetitia.quilichini@diplomatie.gouv.fr | FRANCE |
| INRIA: | Direction des Relations Internationales Domaine de Voluceau – Rocquencourt B.P. 105 – 78153 Le Chesnay Cedex, Tel: (+33) 1 39 63 57 68 www.inria.fr <u>Contact:</u> Tania Castro – tania.castro@inria.fr Thierry Priol thierry.priol@inria.fr | FRANCE |
| CNRS | DERC 3 rue Michel-Ange 75016 Paris Tel. : (+33 1) 44 96 46 79 www.cnrs.fr <u>Contacts:</u> Antonia Alcaraz antonia.alcaraz@cnrs-dir.fr Jean Theves – jean.theves@cnrs-dir.fr | FRANCE |