FacultySummit

LACCIR Virtual Institute

Latin American and Caribbean Collaborative ICT Research



Domingo Mery

Department of Computer Science Pontificia Universidad Católica de Chile

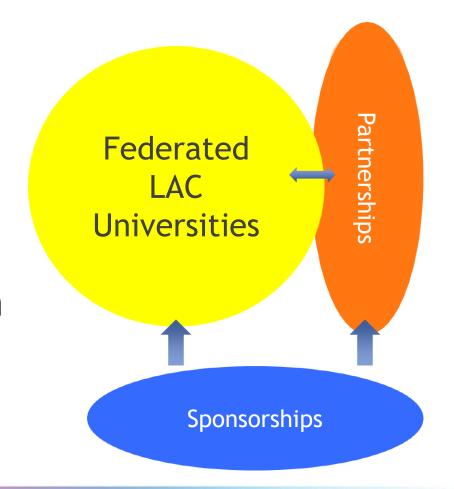


Agenda

- 1. What is LACCIR?
- 2. Research Projects
- 3. Graduate Students Mobility
- 4. Research Observatory
- 5. Next Stage Actions

What is LACCIR?

Latin American and Caribbean Collaborative ICT Research Federation



LACCIR

- Founded on May 2007
- Goal: Stimulate Latin American-Caribbean collaborative research in ICT as enabler of economic and social development
- Created and supported by Microsoft Research (US\$ 3,000K over seven years)



LACCIR

 Implemented with PUC Chile, U. Chile and universities throughout LAC

Sponsorship by IADB (US\$ 550K) and OAS

Partnerships with: CONACYT (~US\$
500K), NSF, FAPESP, CLEI, CONICYT,
Colciencias



Federated Universities



Main Activities

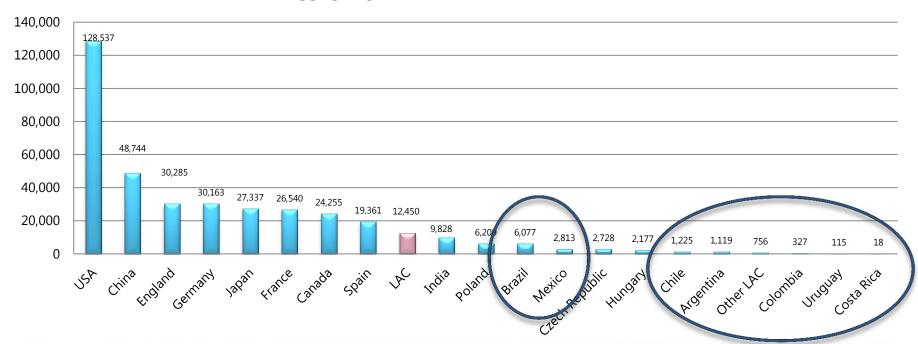
- Grants and support for ICT applied research projects within LAC.
 Seed grant from MSR and IADB
- Support for LAC graduate students mobility: short stays, internships, fellowships in LAC universities and MSR
- LAC ICT Research Observatory: LAC ICT researchers map, projects map and indicators. Data collection (publications, thesis, projects, R+D investment)

Main Activities

- Collaboration among researchers and educators:
 - > LiveMeeting for video-conferencing and e-learning
 - > MS software/servers platform and MSR Research Accelerators
 - > Workshops and summer e-learning schools
 - > Repository of papers and thesis
- Fellowships and Support for New Faculty in LAC universities

Why collaboration?

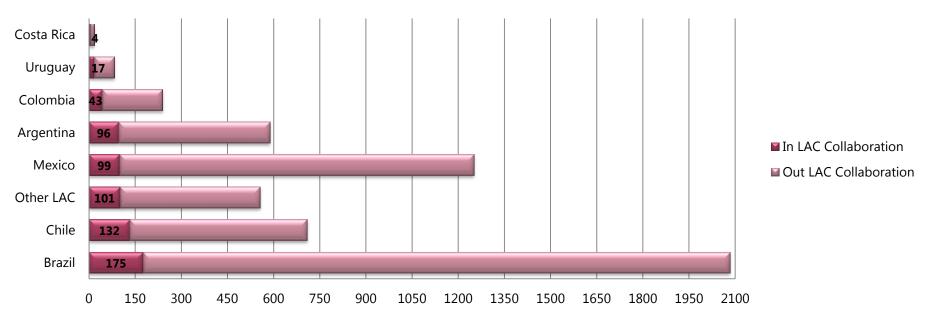
CS/CE ISI Publications 2000-2010





Why collaboration?

Within LAC Collaboration in CS/CE ISI Publications 2000-2010





First 4 Years in Numbers

- 500 researchers from 50 institutions in 19 countries connected to the LACCIR network
- 180 world class expert researchers have evaluated research proposals
- 22 regional collaborative research projects funded by LACCIR.
- 80 international publications
- 62 research teams
- 28 graduate students funded by LACCIR have visited other
 LAC countries for research stays, connecting 13 countries

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Research Projects



Research Areas



- Energy
- Earth, Environment and Climate Change
- Micro-economies
- E-Government
- Healthcare
- Education

Research Projects

Year	Projects	Countries	Application Area	Research Teams	Publications	Presentations	Matching Funds
2007	5	Chile, Colombia, Uruguay, Brazil, Argentina, Ecuador, Mexico	E-Government; Micro-Economies; Education; Healthcare	14	50	39	6
2008	5	Uruguay, Brazil, Chile, Argentina, Uruguay, Mexico	Earth, Environment and Climate Change; E-Government; Micro- Economies	13	23	14	6
2009	5	Mexico, Chile, Brazil, Argentina, Colombia, Panamá, Bolivia, Uruguay	Healthcare; Education; Earth, Environment and Climate Change	17	7	5	1
2010	7	Brazil, Mexico, Chile, Costa Rica, Uruguay, Argentina, Trinidad & Tobago, Nicaragua, Colombia,	Earth, Environment and Climate Change; Healthcare; Education; Micro-Economies	18	on-going	on-going	on-going



Research Projects: e-Government

Collaborating in Disaster Relief Efforts

- Coordination between several critical Information Systems
- Firemen, Police, National Government, Red Cross, Hospital Personnel, Armed Forces







Research Projects: Micro-economies

Quality Evaluation and Preservation of grains in Silo Bags

 Monitor and automatically adapt the internal conditions of the grain stored into silobags, in order to improve their preservation state







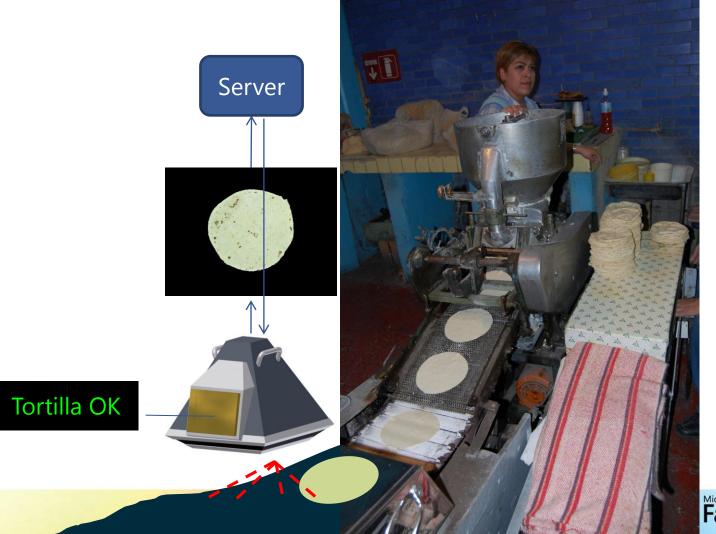


Research Projects: Micro-economies

Quality Evaluation of Food Products

- Automated computer vision System
- Low Cost
- For Small and Medium Enterprises





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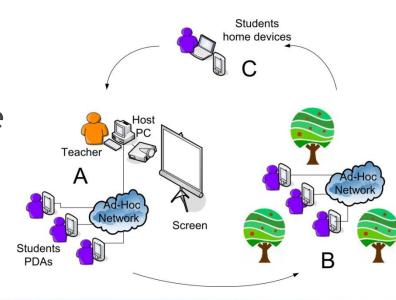
Research Projects: Education

Bridging the gap between mobile and in-classroom learning

- Platform to support classroom activities.
- Outcome: a set of validated learning activities that will serve as patterns for implementing other learning activities







Research Projects: Environment

ANURA: Sensor Networks for Classifying and Monitoring Frogs Based on Their Vocalizations as an Early Indicator for Ecological Stress in Rain Forests

- Frogs and toads are natural candidates to be monitored as ecological stress indicator
- Outcome: Classification of frog species, allowing a long term monitoring of the frog population in rain forests, as an early indicator of ecological stress







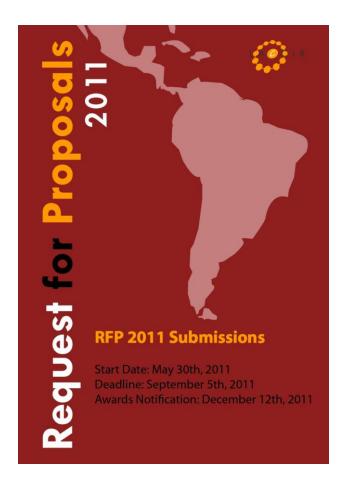
LACCIR RFP 2011

2011 RFP Submissions

Start Date: May 30th, 2011

Deadline: September 5th, 2011

Awards Notification: December 12th, 2011





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M.Sc. and Ph.D. Students Short Stays

Year	Students	Countries
2008	6	Chile, Mexico, Argentina, Uruguay , Brazil, Colombia
2009	12	Chile, Mexico, Argentina, Uruguay , Brazil, Colombia, Costa Rica, Paraguay
2010	10	Argentina, Colombia, Chile, Brazil, Ecuador, Mexico

M.Sc. and Ph.D. Students Short Stays



LACCIR SSP 2011

2011 SSP Submissions

Start Date: May 30th, 2011

Deadline: August 29th, 2011

Awards Notification: October 31st, 2011



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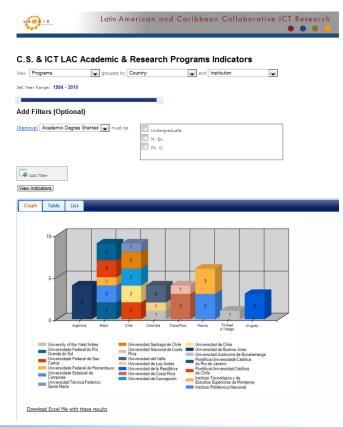
Research Observatory

Data Collection Initiative

 Graduate Studies CS & ICT Alternatives in LAC

Indicators: Enrollment, Scholarships, Women, Foreign, Graduate.

www.laccir.org/ResearchMap

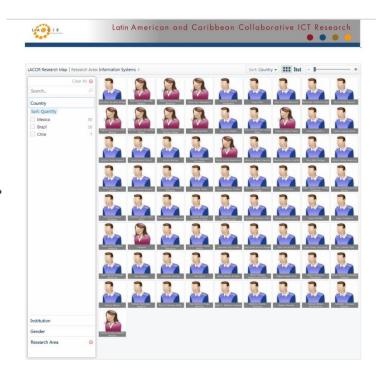




Research Observatory

Data Collection Initiative

- Researchers, Institutions, Areas
- Academic & Research Programs.



www.laccir.org/rm

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Next Stage Actions

for Sustainability & Impact on Development

- Partnership with LAC national & state government agencies (i.e., CONACYT-México, FAPESP-Sao Paulo, COLCIENCIAS, CONICYT-Chile)
- Partnership with LAC industry (i.e., CODELCO-Chile, ICT industry)
- Improvement of Intellectual Property policies
- Joint LAC graduate programs in ICT (thesis, courses, diplomas)
- Collaboration with EU (FP7)

LACCIR Virtual Institute

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www.laccir.org

Ignacio Casas - Executive Director **Claudia Leiva -** General Manager



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