Technological ecosystems in Latin America, the Caribbean and Spain:

Multi-stakeholders platforms for Science and Innovation

Dr. Eugenia Saini
Executive Secretary
FONTAGRO IN BRIEF

- Unique cooperation mechanism for co-financing R&D&I in LAC
- 15 countries and solid governance structure
- Capital of US$ 97.86 million
- 144 innovation platforms (US$ 112 million) that leveraged up to US$ 5 per FONTAGRO dollar
- Public-private platforms with 230 organizations and + 29 countries
- 35 technologies (2010)
- Financial and technical monitoring system (matrix of products, results and indicators)
- Main beneficiary: family agriculture
Partnerships for Science & Innovation, strategic alignment

- Climate Change
- Innovation
- Sustainable Intensification
- Value Chain

- Food and Markets
- Crops
- Cattle raising
- Forestry
- Fishing / Aquaculture
- Natural resources

Adaptation and Mitigation
Good Practices
Carbon Sequestration
Climate-Smart tools
A successful multi-stakeholder partnership for financing R&D&I (2010-2020: US$ 8.5 M)

<table>
<thead>
<tr>
<th>Title</th>
<th>Goal</th>
<th>Countries</th>
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<tr>
<td>Climate-Smart <strong>Dairy</strong> (agtech tools)</td>
<td>to implement <strong>good practices and new climate-smart tools</strong> (agtech) for dairy sustainable farms</td>
<td>Argentina, Uruguay, Dominican Republic, Costa Rica, Honduras</td>
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<td><strong>Innovation for grazing management and forage reserves</strong></td>
<td>To increase at least 30% <strong>pasture consumption</strong> in farm, promoting a more sustainable production</td>
<td>Argentina, Costa Rica, Uruguay.</td>
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<td><strong>Livestock productivity in the South American Chaco Region</strong></td>
<td>To increase <strong>productivity</strong> in livestock production systems in the South American Chaco Region.</td>
<td>Argentina, Bolivia, Paraguay</td>
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<td><strong>Sustainable intensification</strong> based in legume-grass pastures</td>
<td>To contribute to the improvement of the <strong>livestock production systems</strong> in LAC by using legume-grass based pastures</td>
<td>Argentina, Chile, Ecuador, Nicaragua. Paraguay, Dominican Republic, Uruguay.</td>
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<td><strong>Climate adaptation and mitigation strategies</strong> for Livestock production improvement in the Central American and the Andean Region</td>
<td>To measure GHGs emissions in livestock systems at the farm level</td>
<td>Costa Rica, Panama, Nicaragua, Honduras.</td>
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<td><strong>Networking and Capacity Building</strong></td>
<td>To support capacity building activities</td>
<td>all FONTAGRO’s member countries</td>
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<td><strong>Livestock and climate change:</strong> quantification and mitigations options for GHG’s emissions**</td>
<td>To contribute to a better measurements of the GHG emissions for the participating countries to the IPCC.</td>
<td>Argentina, Chile, Colombia, Dominican Republic, Uruguay.</td>
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<td><strong>Organic Carbon Sequestration in LAC Soils (</strong>)**</td>
<td>To contribute to the soil management and produce local coefficients on local carbon stocks</td>
<td>Argentina, Brazil, Canada, Chile, Colombia, Costa Rica, Spain, Uruguay, New Zealand.</td>
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Livestock systems with low emissions of greenhouse gases in Central America

Costa Rica / Honduras / Nicaragua / Panama

Livestock greenhouse gases reduction in the Andean region

Peru / Bolivia / Colombia / Ecuador

Livestock and climate change: applied research and knowledge

Bolivia / Colombia / Costa Rica / Ecuador / Honduras / Nicaragua / Panama / Peru / United States / Argentina / Brazil / Chile / Dominican Rep. / New Zealand / Mexico / Spain / Uruguay / Paraguay / Venezuela
30% water consumption savings

0.8 million USD invested

469 people trained

60% Methane decrease

More Rice with Less Emissions and Lower Water Consumption

Colombia / Chile / Peru / Uruguay
1,0 million USD invested

Rice Farming Practices to Improve Water Use Efficiency

Panama / Costa Rica / Nicaragua

Strategy for Strengthening and Increasing Rice Productivity in Panama based on the Scaling of the SICA system

Panama / Colombia

Grow more with less (SICA): less vulnerable and more adapted to climate change rice cropping

Costa Rica / Colombia / Dominican Rep.
Alliances 1998 - 2020:

159 Institutional agreements with 531 partners, in 33 countries

✓ **Investments in R&D&I** must be part of the national, regional and international agenda, especially in public-private promotion programs.

✓ **FONTAGRO** and the regional innovation platforms have been, are and will be a fundamental element for the competitiveness of the sector.

✓ **Collaborative research** has more and long-term impact than individual research.
706 people trained (25% women)

26 workshops

> 10% reductions of GHG emission

0.4 million USD invested

Basis for Generating an Integrated Adaptation Strategy for Livestock Systems in Latin America

Chile / Costa Rica / Argentina / Bolivia
Thank you!

Eugenia Saini, Dr.