

Technological ecosystems in Latin America, the Caribbean and Spain:

Multi-stakeholders platforms for Science and Innovation



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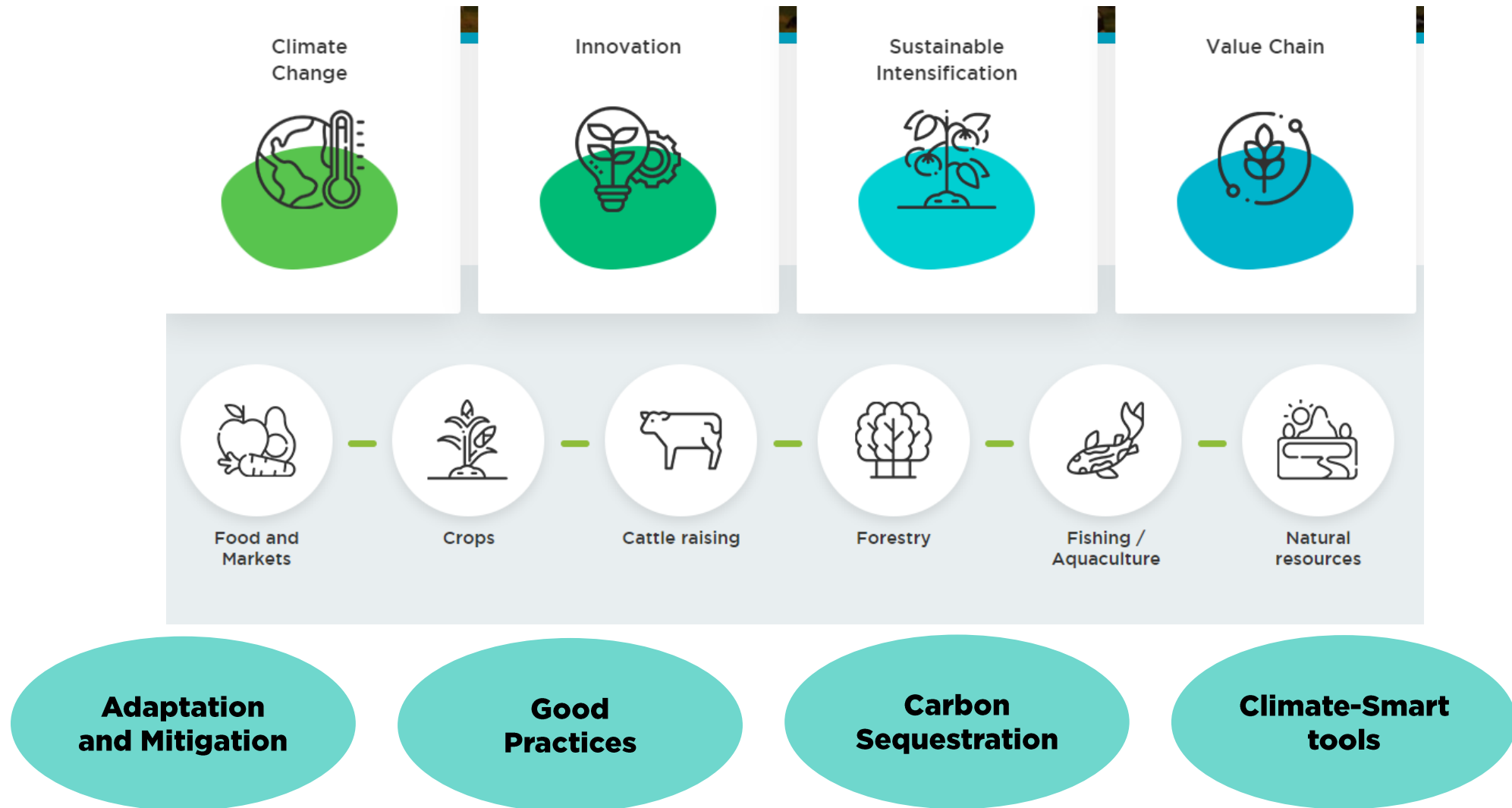
FONTAGRO IN BRIEF

- 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

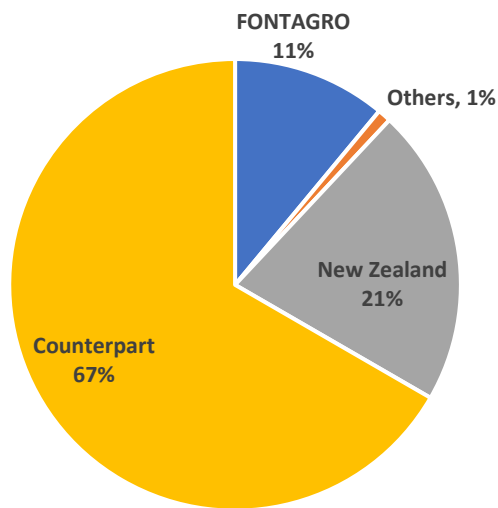
MEMBER COUNTRIES

	Argentina		Nicaragua
	Plurinational State of Bolivia		Panama
	Chile		Paraguay
	Colombia		Peru
	Costa Rica		Spain
	Dominican Republic		Uruguay
	Ecuador		Bolivarian Republic of Venezuela
	Honduras		

Partnerships for Science & Innovation, strategic alignment



A successful multi-stakeholder partnership for financing R&D&I (2010-2020: US\$ 8,5 M)



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



**At least 450
people of 35
countries
linked
155 scientists
trained
19 thesis**



**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

469 people trained

60% Methane decrease

0,8 million USD invested



More Rice with Less Emissions and Lower Water Consumption

Colombia / Chile / Peru / Uruguay





1,0 million USD invested

45% water savings

25 - 46% more yield

575 producers trained

> 2000 benefited

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.





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**





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Thank you!

Eugenia Saini, Dr.