



Ministerio  
de Ganadería,  
Agricultura y Pesca

Dirección  
General de  
Desarrollo Rural

## Desarrollo Rural en Movimiento



Ministry of Livestock, Agriculture and

Fisheries

Uruguay

Ing. Agr. Carlos Rydström Henderson

## AG Sector IN URUGUAY



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Uruguay produces food for 30 million people and has the capacity to feed 50 million people.

Livestock and Agriculture represents more than 20% of GDP

Uruguay has 16,4 millions hectares suitable for agricultural use.

**Livestock:** most developed activity in the country, take the major productive area, the breeding carried out mainly in natural pastures and some in artificial pastures, this sector represents 56% of the production.

**Agriculture:** represents 36% of the production, soybeans and rice.

**Forestry:** the third sector with more relevance, represents 8%.

\* Ackerman, María Noel et al. informes de política agropecuaria – Junio 2018

([https://www.conicyt.gub.uy/sites/default/files/202010/Ackermann\\_Cortelezzi\\_analisis\\_politicas\\_agropecuarias.pdf](https://www.conicyt.gub.uy/sites/default/files/202010/Ackermann_Cortelezzi_analisis_politicas_agropecuarias.pdf))

## FAMILY AGRICULTURE

### Background – Legislation and regulation

- **Creación Dirección General de Desarrollo Rural** (Ley 17.930 Art 161 2005)
- **Pequeño Productor Agropecuario definición y requisitos** (Decreto del Poder Ejecutivo N° 172/10, Resoluciones Ministeriales N° 527/08, N° 219 y 387/14, 1100/15 y **1013/16 Productor Familiar**).

Ley N° 18.341, Artículo 32, 04 de setiembre de 2008, **Subsidio Aporte Patronal**.

Decreto reglamentario N° 787/008, 22 de diciembre de 2008, **Exoneración impuesto al Patrimonio**.

- **Registro Productor Familiar** (Ley N° 19.355, 19 de diciembre de 2015) .

Ley N° 19.292,16 de diciembre 2014, Declaración interés General. Producción Familiar Agropecuaria y Pesca Artesanal.

Ley N° 19.670, Artículo 137, 15 de octubre 2018. Requisitos Productor Familiar DGI, BPS.

<https://www.gub.uy/ministerio-ganaderia-agricultura-pesca/>

<https://www.gub.uy/ministerio-ganaderia-agricultura-pesca/dgdr>



## PRODUCTOR FAMILIAR URUGUAY

	Productores/as Familiares Agropecuarios	Productores/as Familiares Pesqueros	Totales
Unidades Productivas Familiares	16.834	22	16.856
Productores/as Familiares	29.394	31	29.426
Personas vinculadas a los registros	43.075	45	43.120
Superficie Total (hectáreas físicas)(*)	1.185.871	NC	1.185.871
Superficie Promedio (hectáreas físicas) (*)	70,444	NC	70,444

**November 2022**



## UTILITY AND POTENTIAL OF THE APPLICATION OF ICT IN FAMILY FARMING

### Uruguay situation “**Innovation- digitalization**”

- Uruguay in the interantional context ranks 64 on the Global Innovation Index, and fourth in Latin America.
- Political and operational stability.
- Uruguay has a wide coverage of access to communications throughout the country

## UTILITY AND POTENTIAL OF THE APPLICATION OF ICT IN FAMILY FARMING

### Ministry of Livestock, Agriculture and Fisheries.

#### Two guidelines:

- Develop Agtech solutions for farmers.
- Design a digital inclusion strategy for rural population, emphasizing rural women population.



**#desafío  
AGTECH**

Una iniciativa para potenciar la innovación en el sector agropecuario de nuestro país

Conocé los desafíos de la nueva edición

Mirá la presentación aquí



## Policies:

1. ICT Survey
2. Desafío Agtech – Agtech Challenge
3. Agrotics: Soluciones Digitales para la Producción Familiar – Digital solutions for Family Agriculture.
4. Proyecto piloto Ecosistema Digital Territorial sostenible y escalable - Sustainable and scalable Territorial Digital Ecosystem pilot project

# ICT Survey for Family Agriculture

Objective: to generate inputs for the design and development of public policies that promote greater use of ICTs in small and medium-sized agricultural units in the country.

**The results of the survey indicate that 87% of the producers consulted consider that the use of technology is important for productive activity.**

**The digital device with the greatest presence in the studied population is the cell phone with 88%, this trend remains the same when segmenting the population by gender.**





## AgTech Challenge 2022

- Support the development of potential solutions, around digital technologies, that respond to challenges in the agricultural sector.
- Recognize work teams with high potential to solve the challenges posed.
- Contribute to the construction of a culture of innovation, promoting collaboration.
- Strengthen collaborative work between industry, academia, incubators, government entities and other relevant actors in the ecosystem.
- Promote the diffusion of the actors of the AgTech ecosystem in Uruguay.

<https://desafioagtech.uy/wp-content/uploads/2022/09/Desafio-Agtech-2022.pdf>



5 desafíos

Lanzamiento y convocatoria



Nov 2021

60 participantes  
23 equipos  
11 Speed Dating  
11 postulaciones a VIN

Desarrollo de la idea



Dic-Feb 2022

25 participantes  
9 equipos  
3 fondos VIN  
3 mentorías IRTA

Validación de soluciones



May-Ago 2022

5 equipos  
2 Premios  
1 Mención

Evaluación y premiación



Set 2022



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# AGRO

# TIC

SOLUCIONES DIGITALES  
PARA LA PRODUCCIÓN  
FAMILIAR



# AGROTIC

SOLUCIONES DIGITALES PARA LA PRODUCCIÓN FAMILIAR



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## OBJECT:

- Development, implementation and/or adaptation of digital technologies to solve problems related to family farming and that seek sustainable rural development in their territories of reference.
- The farmer organizations will associate with private companies and/or educational entities with proven experience in the subject, in order to jointly achieve solutions to the problems raised.
- They will be financed from the PDPRII (MGAP/IDB) up to a maximum amount per project of US\$ 30,000 that will pay for the development of the solutions addressed, where said process must be in a period of less than 12 months.



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## Approved projects include:

- Evolution of the Traceability and Rebreeding System.
- Systematization of productive information in fruit production.
- Comprehensive sheep management system "Booksheep".
- Software for horticultural management.
- Implementation and strengthening of digital solutions to improve management and traceability within the framework of viticulture production.
- Digital solutions for irrigation.
- ICTs in family poultry farming.
- Alert system for the detection of pest arthropods in the establishment of pastures associated with dairy production in Uruguay.

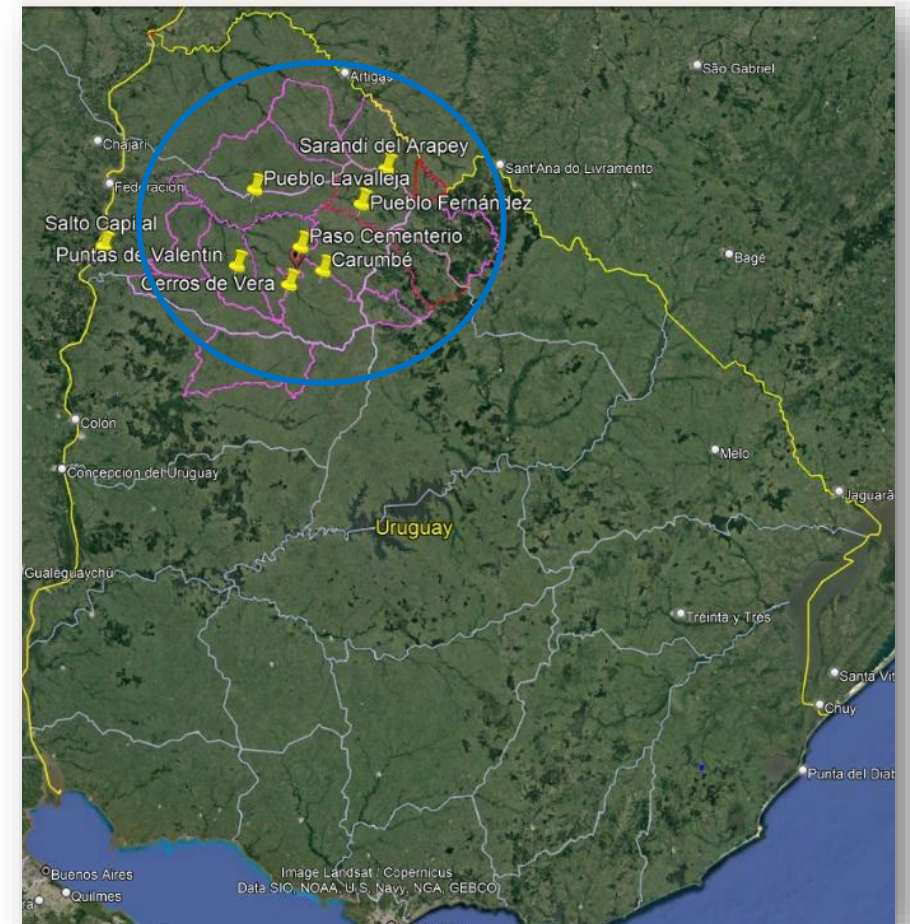




## Sustainable and scalable Territorial Digital Ecosystem pilot

South - South Cooperation Programme (CSS) FAO - China PR

- Objective: to extend digital innovation by connecting the digitization needs of the selected territory, with an organized offer of digital services, agents, and supports that are relevant and appropriate to local capacities and institutions.
- Each digital community center will be supplied with a necessary technological package to promote digital citizenship processes, the development of training and communications with public institutions and private organizations.





# Thank You

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