

# Innovation Network for a climate-resilient Gran Chaco

In Argentina, Bolivia, and Paraguay, an inter-institutional network was formed which, supported by the “Collective Innovation approach”, contributed to improving the quality of life of inhabitants of the Gran Chaco.





26

DEMONSTRATIVE UNITS



4

ONLINE COURSES



81

WORK TEAM



125

ORGANIZACIONES



144600

BENEFICIARIES



3

AGTECH



13

PUBLICATIONS (Articles)



11

Technological Validation Site



The creation of relational capital makes it possible to reach the territory with a proposal for climate change adaptation.

## The implemented initiative

The Innovation Network for a climate-resilient Gran Chaco is an alliance between Gran Chaco PROADAPT (which groups public-private organizations) and REDLAC (INTA / Fundación ArgenINTA - INIAF - IPTA) with the purpose of strengthening technical, organizational and institutional capacities of the region to improve the generation and use of knowledge for

climate change adaptation. It integrates the work of country institutions and organizations, forming a network of territorial technicians and researchers that support small beekeepers and livestock farmers to reduce their vulnerability to climate change, strengthening institutional capacities that address their productive, organizational, and social problems.

The public-private coordination generated in the R+D+i networks contributes to the development of climate-resilient systems in the Gran Chaco.

## The technological solution

The formation of work networks between INTA, INIAF, IPTA and NGOs of Gran Chaco Proadapt is the main socio-technical solution that made it possible to surpass the project objectives, uniting the R & D & I teams with the organizations and producers from the Gran Chaco. The Gran Chaco Caprine Network was created, uniting the INTA and Gran Chaco Proadapt teams, in the same way that the beekeeping team led by INTA - PROAPI, and the Silkworm team was integrated. Protocols were developed and technological paths were adjusted using the Beekeeping, Minor Ruminants, and Silkworms

Demonstration Units as reference sites where technological solutions adapted to the territory and extension tools were generated. Contributions were made to the consolidation of the trinational network of Argentina, Bolivia, and Paraguay meteorological stations managed by Gran Chaco Proadapt. Knowledge Management is of great importance, highlighting the systematization of information such as information visualization and on-line courses such as the Beekeeping MOOCs.

Innovation Network

INNOVATION NETWORK

Innovation Network for a climate-resilient Gran Chaco

STRENGTHENING OF THE NETWORK

- Goat Production of Gran Chaco
- Beekeeping, supported on INTA-PROAPI

BEEKEEPING DEMONSTRATIVE UNITS

- 19 Number BDU - 6 TVPS
- 38 Team of I+D+i
- 4008 People Trained
- 2 Information Displays
- 5 Local Technological Solution

MINOR RUMIANTS DEMONSTRATIVE UNIT

- 6 Number MRDU - 5 (TVPS)
- 1500 People Trained (80% Women)
- 15 Team of I+D+i
- 5 Local Technological Solution

SILKWORM DEMONSTRATIVE UNITS

- 1 Number SDU
- 180 People Trained (100% Women)
- 1 Solución Tecnológica Local

INTA

IPTA

REDLAC

NATIVA

Gran Chaco Proadapt

EL FUTURO ESTA EN EL NOROCCIDENTE

acdi

RedesChaco

Avina

GRAN CHACO

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## Results

The incorporation of new organizations and HR to the Network made it possible to strengthen work teams and form new work networks such as the Gran Chaco Caprine Network. The technological path was adjusted based on contributions from 19 Beekeeping Demonstration Units (DU), achieving an income/cost ratio of 2.9 in 2021 vs 1.23 in 2018 (diff 236%) with yields in the same period of 30 kg / col and 15 kg / col. In addition, there are 6 Goat Units and 1 Silkworm Units

adjusting the technological path with the help of 7 Technology Validation Pilot Sites. The Bermejo-Pilcomayo River Risk Alarm System, managed by Gran Chaco Proadapt, indirectly benefited more than 80,000 people facing the risk of flooding. Two information visualization systems. The remote beekeeping MOOC, created by INTA - RedLac with more than 43,000 registrants from 50 different countries as indirect beneficiaries.

Main donors

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Participating Organizations

INIAF IPTA INTA Avina acdi ARGENINTA FONTAGRO