



APIMONDIA

48TH INTERNATIONAL CHILE
APICULTURAL CONGRESS 2023

September 4th - 8th, 2023

Sustainable Beekeeping, from the south of the world

ABSTRACT BOOK

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Beekeeping for Rural Development

PP-122

Strengthening of the beekeeping activity of the municipality of Delmiro Gouveia – AL through the Lagos do São Francisco Project

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The present work aimed to present the transformations that the Project "Development actions for students and agricultural producers – Beekeeping Action Plan for the region of the Lakes of São Francisco – PE/SE/AL/BA" provided to its beneficiaries in the municipality of Delmiro Gouveia – AL. The research was conducted through semi-structured interviews with a previous script, applied in a direct and interactive way, in loco, with the beekeepers participating in the Action Plan in the municipality, configuring itself as an action research of qualitative and quantitative nature. As a result of the actions developed by the beekeeping plan, it was found that of the 10 beekeepers participating in the Project, 08 (80%) remain in the activity, with a total of 201 boxes, of which 145 are populated (72.1%), culminating in a total production of 1,623 kg of honey per harvest and average production of 202.8 ± 106 (mean \pm standard deviation) kg per producer.

The production is marketed directly to the consumer, in free and/or door-to-door fairs, in which 75% of the beekeepers benefiting from the Project have the activity as secondary income. The Action Plan provided significant changes in the beekeeping activity of the municipality, through educational, social, financial, economic and environmental technical practices, strengthening and structuring beekeeping on a sustainable basis in family properties.

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Organizational development plan as a value proposition of the cooperative of beekeeping producers Copap Ltda

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The beekeeping cooperative Copap Ltda. from Chaco Province, founded in 2005 by 14 members, promotes the production and commercialization of honey, pollen, propolis, wax, and extraction and packing services to local producers.

The organization did not have its business mission and vision. Likewise, a series of factors limited its development: low young people and women participation, low productive scale, low average yields, incipient value-added processes, unregistered trademark, informal marketing channel, lack of planning tools and zero horizontal integration.

Based on an improvement in management, it was proposed to work under the objective of "designing and applying a participatory plan for sustainable development".

Applying the "collective way of innovating" method, the results were obtained in the following dimensions:

Social: gender inclusion in activities, incorporating 12 new members (4 female) and the training of 47 new beekeepers (29 young people and 18 women); a technological linkage agreement with INTA - EEA Colonia Benítez, Cambio Rural Program and INTA PROAPI (Programa Nacional Apícola); the Organizational Mission and Vision were defined, and the design and implementation of a sustainable development plan.

Commercial: application of HACCP standard, gluten free, obtaining collective worldwide trademark registration; different packaging (blisters, sachets, glass containers, and PVC); 14 new commercial channels in Argentina; organic certification of apiaries, incorporation of QR code in fractionated honey; and commercial integration with Chaco Marketing Consortium.

Productive: 80% increase in average yield per hive; and 400% increase in the number of honey drums.

Environmental: design and application of an environmental planning tool, with criteria for productive technical management of apiaries based on the flowering curve in each environment.

It is concluded that this work contributed to organizational improvement, beekeepers' life quality and environment protection.

