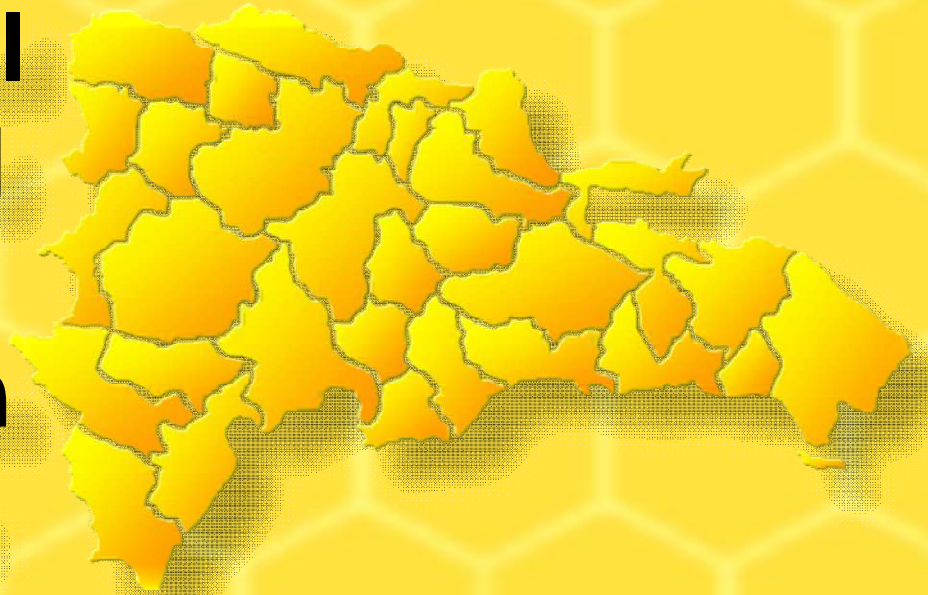


Beekeeping as a Tool for Development and Conservation of Natural Resources in Dominican Republic



Santiago Rivas
Dominican Beekeeping
Network Coordinator
CEDAF



Enrique
Bedascarrasbure
INTA-PROAPI



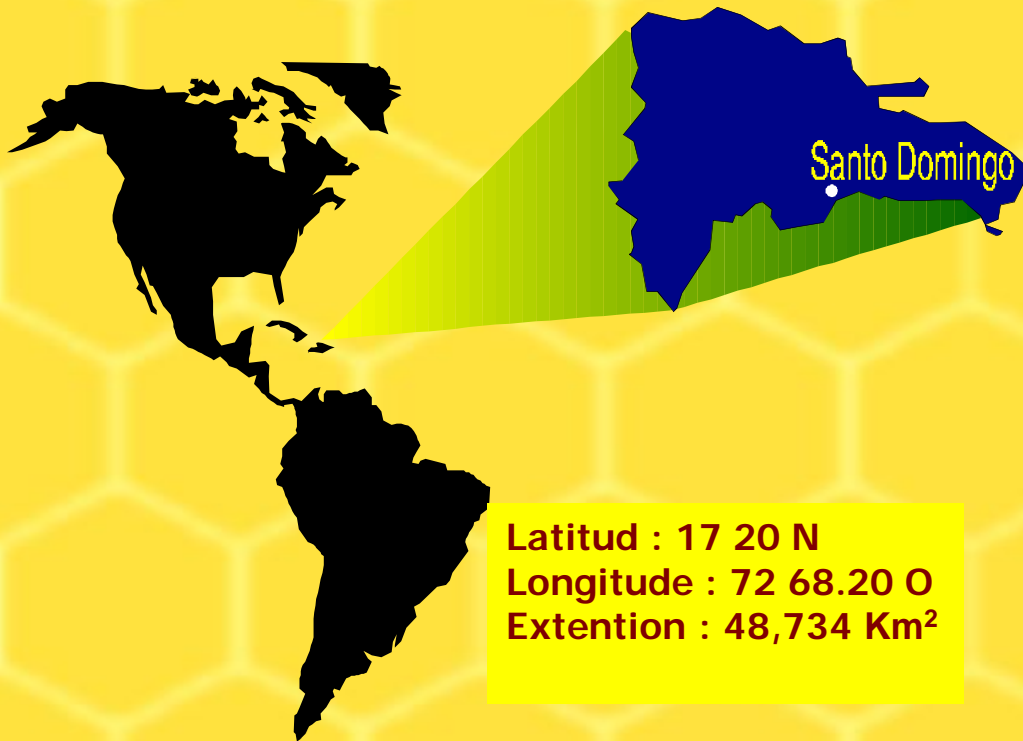
Sésar Rodríguez
CAD



Martín Canals
IDIAF

XLII APIMONDIA INTERNATIONAL CONGRESS
Buenos Aires, Argentina, September 21-25, 2011

Dominican Republic:



Location:

Center of the Caribbean Sea.

Limits:

- North: Atlantic Ocean.
- South: Caribbean Sea.
- East: La Mona Passage.
- West: Haiti.

Provinces: 32.

Language: Spanish.

Population: 9.3 millions.

Ecology: Rainforests, semi-desert areas, and mountainous vegetation.

Socio-economic and Enviromental Situation

- 40% Poverty, 16% extreme.
- 88 Human Development Index of 169 countries (PNUD, 2010).
- Lost and degradation of ecosystems:
 - Habitats destruction or alteration.
 - Unsustainable use of natural resources.
 - Contamination.
 - Exotic and invasive species propagation.
 - Climate Change.



Socio-economic Development In Dominican Republic:

To promote productive activities capable of generating sustainable development and poverty alleviation.



To rebuild the social structure and preserve the environment.



To develop added value chains and associative models capable of leading the way for local development in neglected areas.



Low capital requirements



Not use of big land



Depends of technologies of easy acces and local implementation

Beekeeping as an alternative for the development of sustainables family and associative enterprises in D.R



Generates products with assured local and international market



Favors agriculture, biodiversity and conservation of natural resources throught polination



Is feasible to develop in every Region due biodiversity and ecological conditions.

Characteristics

Bees: Black Holland ↔ Italian

Hybrid

Characterized by its mildness

Apis mellifera was introduced to America through Hispaniola Island (1536)

National Sanitary Diagnostic (1999):

- No presence of American Foulbrood.
- **Main Disease: Varroa Mite**
- No incidence of European Foulbrood.
- Low presence of Nosema, Chalk Brood and Stone Brood.



Production

Honey: 5,428 Ton.

Langstroht: 25kg./year

Rustic: 8-9 kg./year

Wax : 20,981 q.

Pollen, Royal Jelly and Propolis:

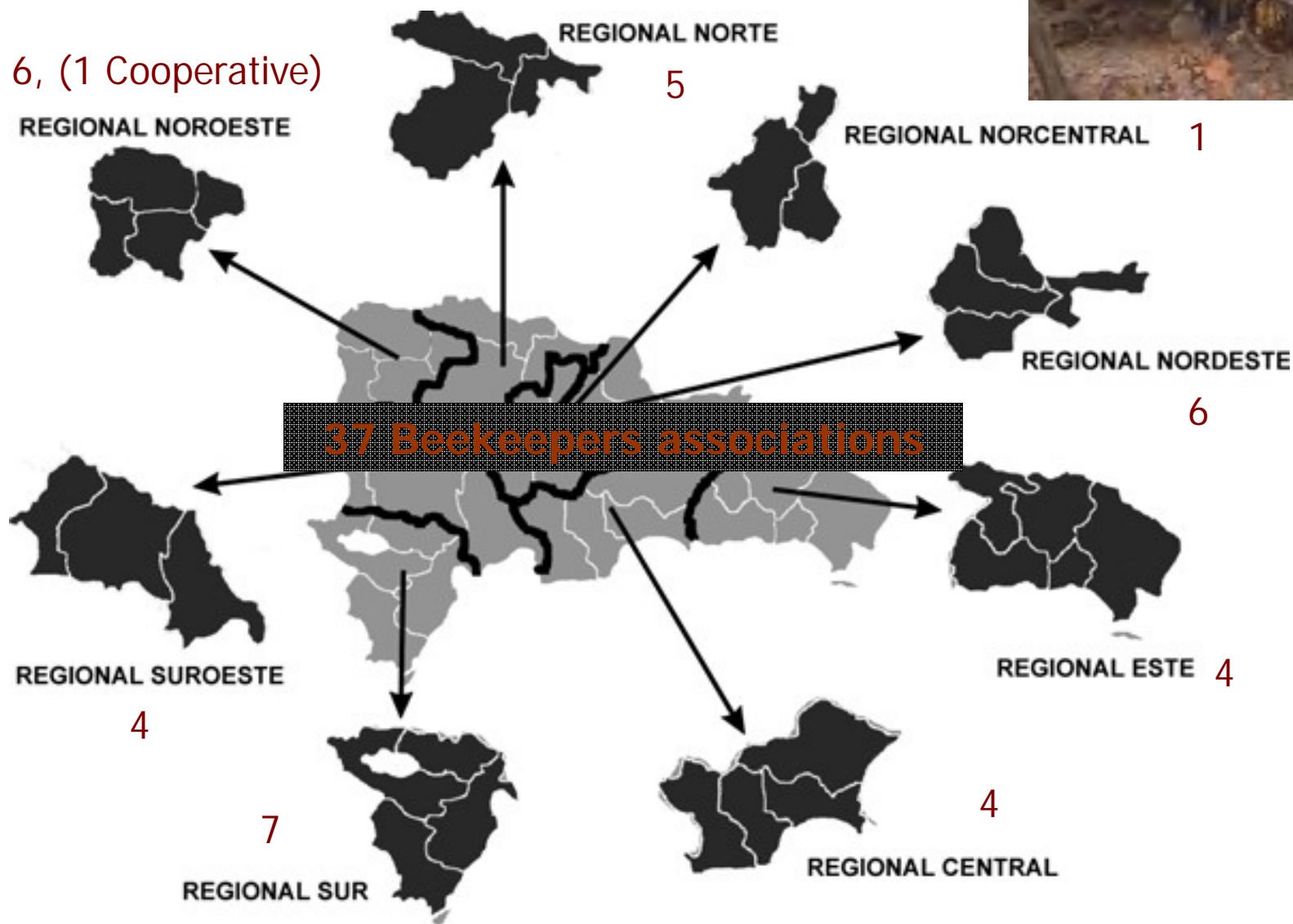
No significant

- 1980, Pollen.
- 1983, Royal Jelly.
- 1986, Propolis.

98% honey exported : Puerto Rico



- 3,454 beekeepers
- Aprox. 100,000 Beehives, 30% rustics.



DOMINICAN BEEKEEPING NETWORK (REDAPI)

BEEKEEPERS ORGANIZATIONS



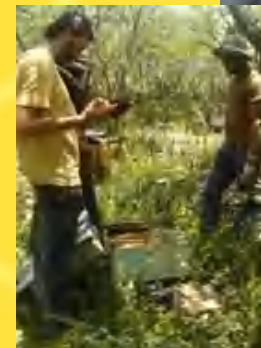
Objective:

To promote beekeeping like a competitive farming business activity by encouraging its conservationist and environmentally friendly production.



International Relationships

- National Beekeeping Program INTA-PROAPI, Argentina.
- National University of the Center of Buenos Aires Province, Argentina.
- Research Line “Abejas de Chiapas”, ECOSUR, Mexico.
- Central American and Caribbean Beekeepers Federation: FEDECCAPI.
- Food Hygienic Society, Veterinary Scientific Council, CUBA
- Tropical Beekeeping Research Center, Heredia National University, Costa Rica.
- Beekeeping Unit, “Kika de la Garza” Agriculture Research Center, USDA, Weslaco, Texas.
- Apiarios Caraballo and Apiarios Borinquen, Puerto Rico.
- Association of Caribbean Beekeepers Organizations.



Research and Transfer of Technology

**Genetic Improvement and
Certified Bee Production**



**Varroa Mite Integrated
Management**



BEE FLORA PROMOTION AND CONSERVATION



Estudies of Bee Flora in
Different Ecosystems

Beekeeping as an
Alternative of Incomes and
Conservation, Natural
Reserve Salto de Socoa,
Great Biodiversity Park



Incidence in Bee Flora
Reforestation Policies



Strengthening Beekeepers Organizations

Beekeeping Promotion in the North Border Region



UNION EUROPEA



USAID
DEL PUEBLO DE LOS ESTADOS
UNIDOS DE AMÉRICA

PROYECTO DE DIVERSIFICACIÓN
ECONÓMICA RURAL

Beekeeping as an Alternative for the Socio-economic Development of Rural Youth in the Northwest Region of the Dominican Republic



Agricultural Training Centers Network in Beekeeping



Promotion and Strengthening of Beekeeping in Haiti



Support for Dominican participation in international congresses, courses and internships

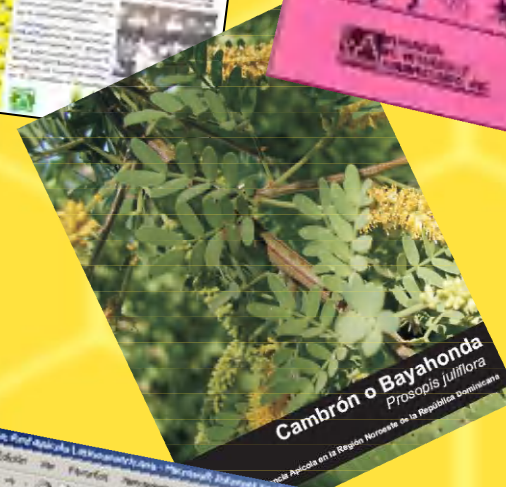


Marketing



Publications and Broadcast

- Beekeeping books and magazines for consultation.
- REDAPI Bulletin.
- Information sheets.
- Technical guides.
- Memories.
- Beekeeping training manuals.
- Web site in the Latinamerican Beekeeping Network: Apinet-La.



Other Activities



Network Strengthening



New Partners

Operative Structure
(Cluster)



Annual Planification

Strategic Plan





**Thank you
for your attention**