



Green Rio - Bee protection
October, 9th | 2020

Brazilian Association of Bee Studies

General data

- o More than 1800 bee species, including solitaires, semi-socials and eusocials
- o Around 250 stingless bees species
- o Economic evaluation of pollination services: around US\$ 12 billions in Brazil (2015)
- o *Apis mellifera* – (exotic specie) – Contributes to the pollination of 19 cultures (more than US\$ 2 billions/year)
- o Other 13 species (more than US\$1 billion/year) pollinate agricultural plants of high economic importance in Brazil
- o 2019 exports – more than 30k metric tons. Germany is the 2nd destination country of Brazilian honeybee (ABEMEL)
- o Potential market for bee products in Brazil and worldwide

Mission



To gather, produce and disclose science-based information aiming to the conservation of Brazilian biodiversity and the harmonic and sustainable coexistence between agriculture and bees and other pollinators.

Since 2014

Strategic Lines

▪ Communication

▪ Stakeholders

▪ Research support and scientific dissemination

1. Information platform
2. Publications
3. Events

▪ Bee management

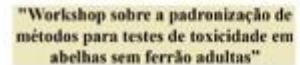
3. *geoApis* partnership
4. Educative Apiaries and Meliponaries

▪ Education

▪ Strategic partnerships

Research Support and Scientific Dissemination

Participation in scientific and other events



Research Support and Scientific Dissemination

InfoA.B.E.L.H.A.

The platform brings together two databases with scientific information on neotropical bees and bees-plants interaction in Brazil. It allows to manage public scientific databases from third parties and is a tool to access organized content supporting research and scientific publications.

86k records consulted per day in 2020

67 images used per day in 2020



Sistema Neotropicais

Sistema Abelhas-Plantas

38 collections
465.000 online records
2.390 species
7.500 images
3.990 unique visitors
142.400 pageviews

Research Support and Scientific Dissemination

Publications



E-books



Posters



Calendars



Public Call CNPq/MCTIC/IBAMA/A.B.E.L.H.A.

The Public Call convened research consortia with the objective of supporting multidisciplinary groups whose studies generate knowledge on the biodiversity of pollinators in Brazil, practical methodologies for assessing the risks of pesticides for these species and the valuation of the environmental service of pollination provided by insects to increase agricultural productivity.



PUBLIC-PRIVATE PARTNERSHIP
R\$ 3.600.000,00

A.B.E.L.H.A.'s partners



Project

Pests on Bees: Searching for diseases and understanding the chemistry of the interaction between Meliponini and Phoridae

Triggers of bee decline in Brazil: microsensors, metagenomics and landscape ecology

Consolidation of open data e-infrastructure on native bee diversity in Brazil

Can an exotic species represent the biodiversity of Brazilian social bees in pesticide risk assessments?

Landscape structure and stingless bees - effects on food resource collection and use and the dynamics of colonies and individuals

Pollinator management to support the conservation and sustainable production of acai in the Amazon estuary region

Selection and adaptation of stingless bees and development of a mass rearing methodology for pollination of greenhouse crops

Coffee Research and Development

Bioeconomic evaluation of pollination service in coffee growing along a sustainability gradient in cultivation methods

Cooperation opportunities

Public-private partnerships for joint development of projects:

- o Biofactories
- o Technologies for large scale production of bees
- o Beekeeping health
- o Pollination deficit assessment
- o Technical-scientific information





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