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Sustainable Beekeeping, from the south of the world

ABSTRACT BOOK

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PP-247 Brazilian Bee Observatory: program to mitigate losses of bee colonies

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Bees are essential for maintaining the pollination ecosystem service, necessary for biodiversity conservation and agricultural growth. However, the decline of pollinators on a global scale became part of the 2030 agenda, based on the inclusion of pollinators in the Sustainable Development Goals established by the UN. In Brazil, bee deaths in different states indicate the need to identify the causes of incidents, as well as to link this information in a systematic way on an official public platform. In this context the Brazilian Bee Observatory Program, coordinated by EMBRAPA Environment (Jaguariuna, SP, Brazil) together with the Ministério da Agricultura e Pecuária, in collaboration with public and private agents, has the mission of supporting actions to mitigate bee deaths in the country, and OBJECTIVES: 1) Strengthen the systematization of assistance with bee deaths by public agents; 2) Consolidate the records in an Official Data Integration Platform (POD), with the possibility of establishing a causal link with the agents that caused the incidents; 3) Support laboratories dedicated to animal health and detection of pesticides in bees; 4) Support training actions in good agricultural and beekeeping practices, and dialogue between those involved in the theme; 5) Stimulate the registration of apiaries/meliponary to official institutions; 6) Support the development of public policies based on POD data for the protection of pollinators. The implementation of the Observatory started in August/2022, and the first phase included the diagnosis regarding the resources to deal with incidents with bees with the assistance network of Brazilian states (RS, SC, PR, SP, MS, MT, GO). The second phase, currently underway, is the construction of the POD, an application for use in the field with forms on bee mortality, georeferenced data, and an interface with WebGis for disseminating the data on dashboards. The subsequent phases will contemplate the implementation of the POD, training of human resources and discussions with different sectors of society aiming to mitigate the deaths of bees in Brazil. The initial steps of the Program inspire optimism, and advances are dynamic and dependent on official data records in the POD.

