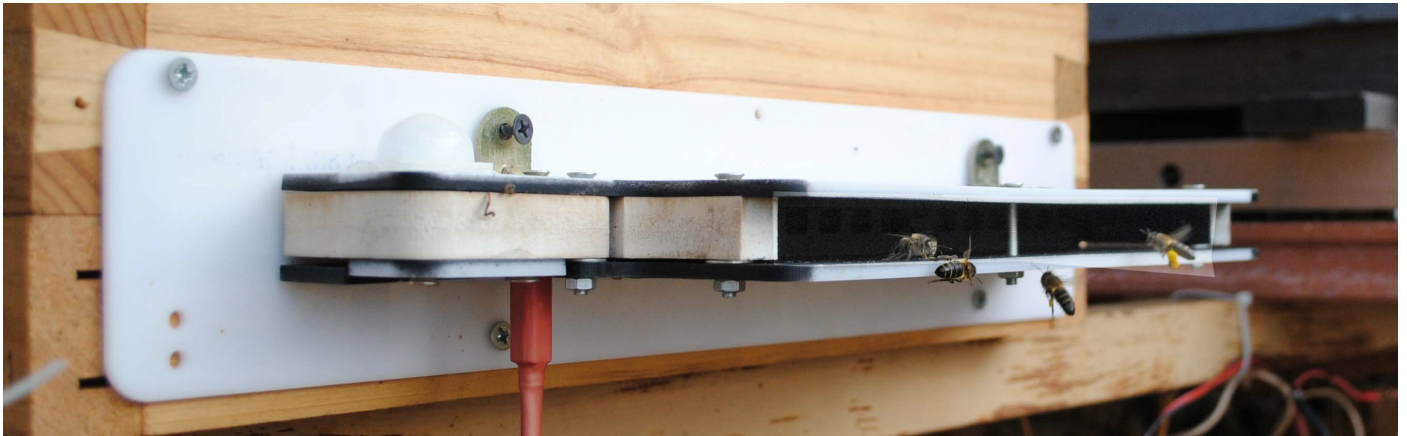


## Bee Counter

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A Bee Counter is an electronic device that counts how many bees leave the hive and how many bees return to the hive .

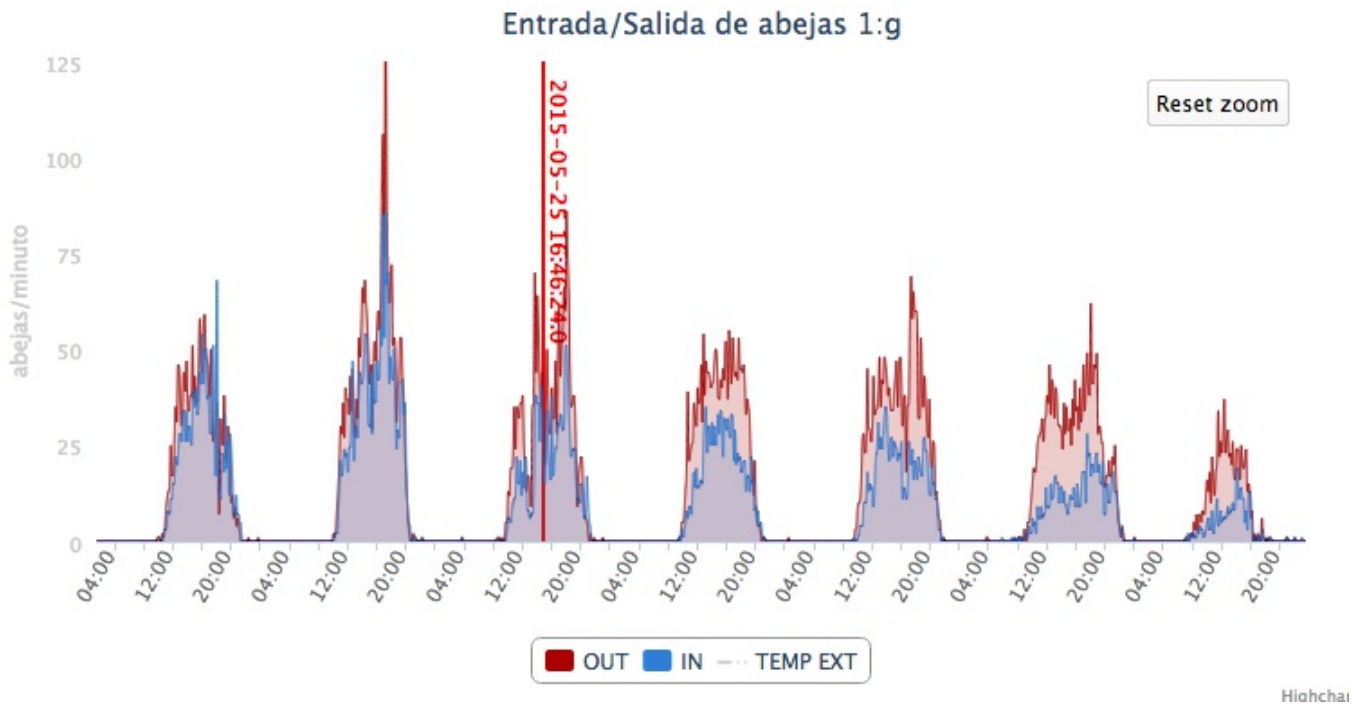
## What information provides

Beecounters are complementary to other tools like scales or temp sensors. Most relevant data obtained through counters can be the following :

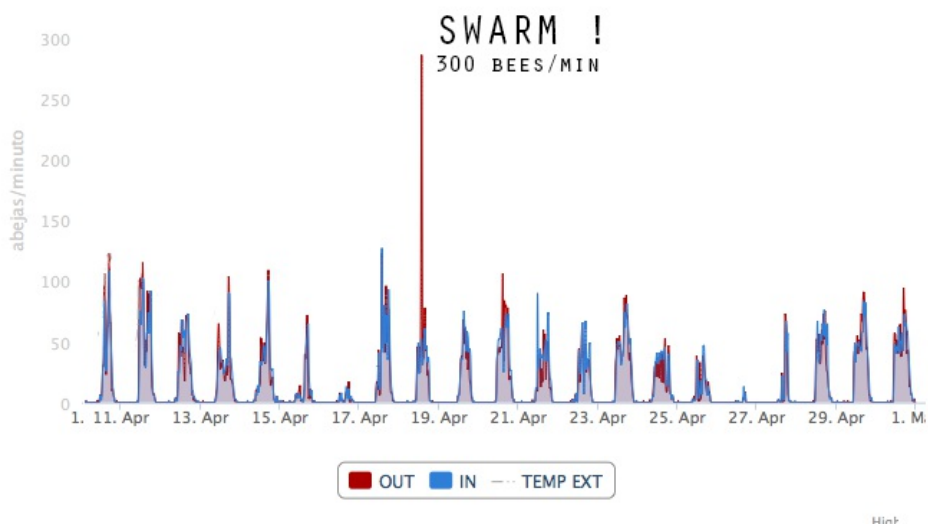
- Foraging activity
  - Intensity
  - Foraging patterns (when)
  - Lost bees
    - Death
    - Drift
  - Swarming (lift off)
  - Orientation flights

this information makes beecounters a key tool for CCD research and environmental studies based on honey bees as bioindicators.

# Examples



In this chart you can see how the lost bees shot up once we applied *checkmite* for varroa treatment :-o



The precise moment when the swarm leaves the hive is reflected by the Beecounter.

## How it works

BC has 16 tunnels that counts continuously each incoming and outgoing bee. At regular times (typically 5 minutes) the device calculate bees per minute and stores it in the cloud.

Apilink offer charting capabilities in the browser.

Raw data (in csv and xls format) can be also downloaded for other analisis (spss, weka... etc)

Data is open, but can be private for research purposes.

## Goals

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- Provide research tools
- To build a broad network of open data for environmental surveillance.
- Perform big data analysis
- promote citizen science.

## Requirements

- Wifi
- 5-9 volts

## Contact

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