

Overview of the Horizon2020 Project "Integrated Pest Management of the invasive Japanese beetle, *Popillia japonica*"

The star of IPM-Popillia ...





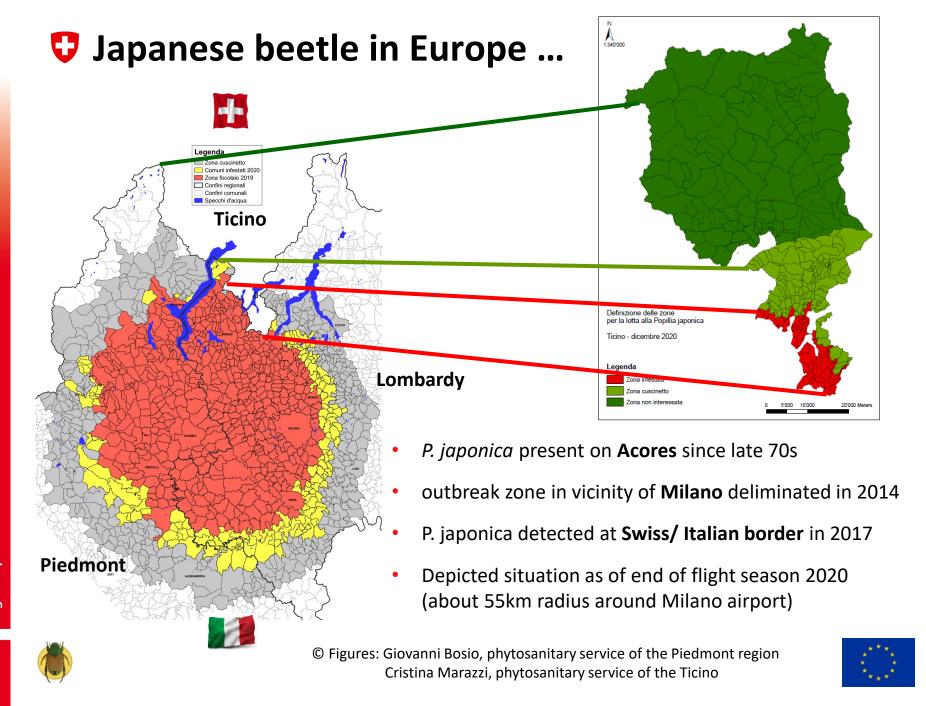












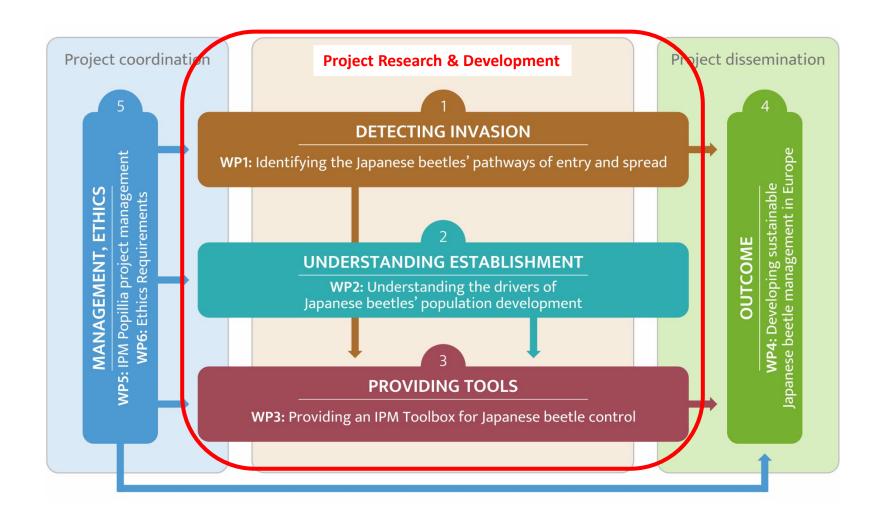
UPM-Popillia 2 main objectives

- to help confining the spread of the invasive pest
- to prevent the build-up of high population densities that cause economic loss to agricultural crops and increase migration pressure

Swiss partners in the IPM-Popillia consortium



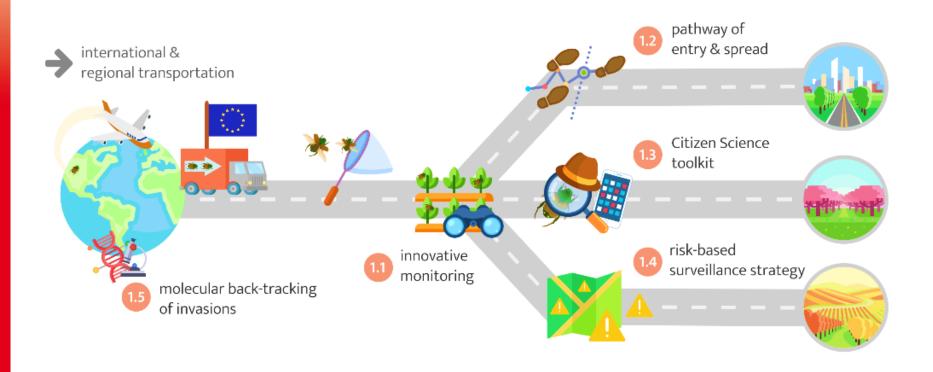
Work packages of IPM-Popillia



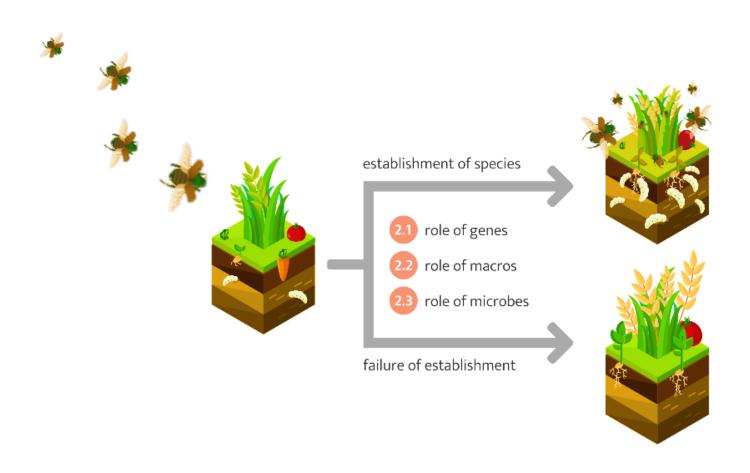




WP1: Identifying the Japanese beetles' pathways of entry and spread

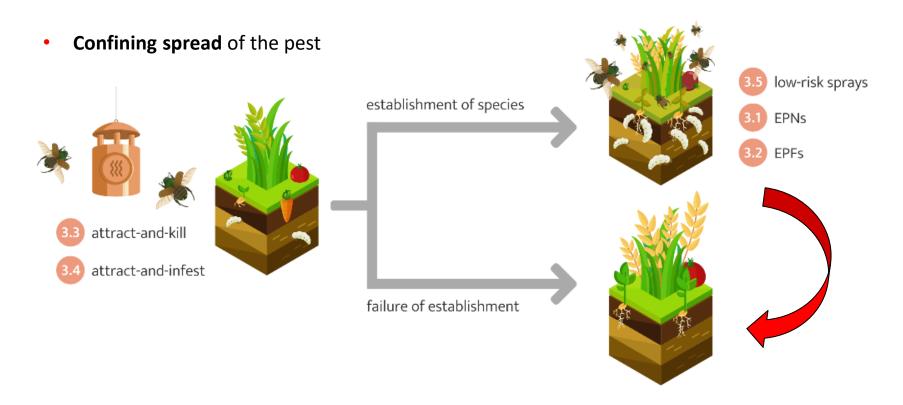


WP2: Understanding the drivers of Japanese beetles' population development

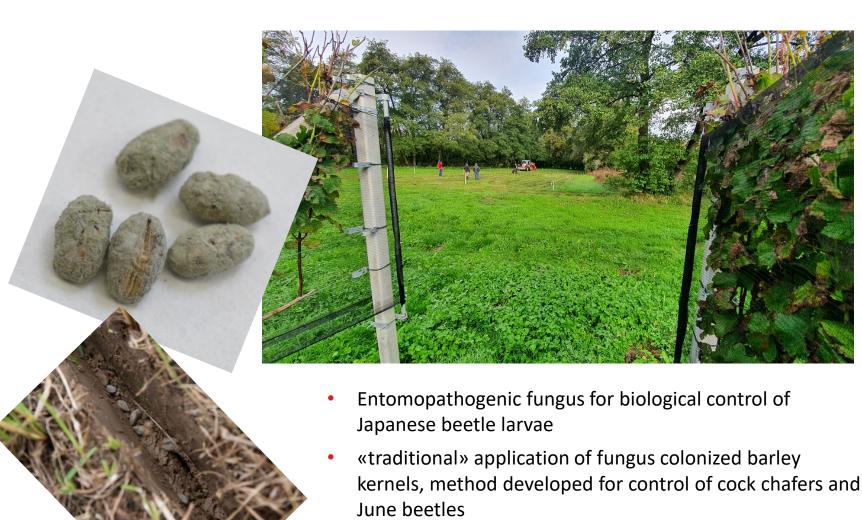


WP3: Providing an IPM-Toolbox for Japanese beetle control

 Preventing build-up of high pest population densities



1st experiment Pj grub control in Switzerland



- Metarhizium brunneum strain «Bipesco5» («GranMet P»)
- 5x10¹³ spores/ha, about 60kg of FCBK/ha

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Entomopathogenic fungi for control of Pj grubs

Evaluation of soil samples planned for March/ April 2021

- Estimation of Metarhizium colonies per g of soil
- Estimation of number of grubs per m2
- Percentage of mycosed grubs collected from plots





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