



IPM

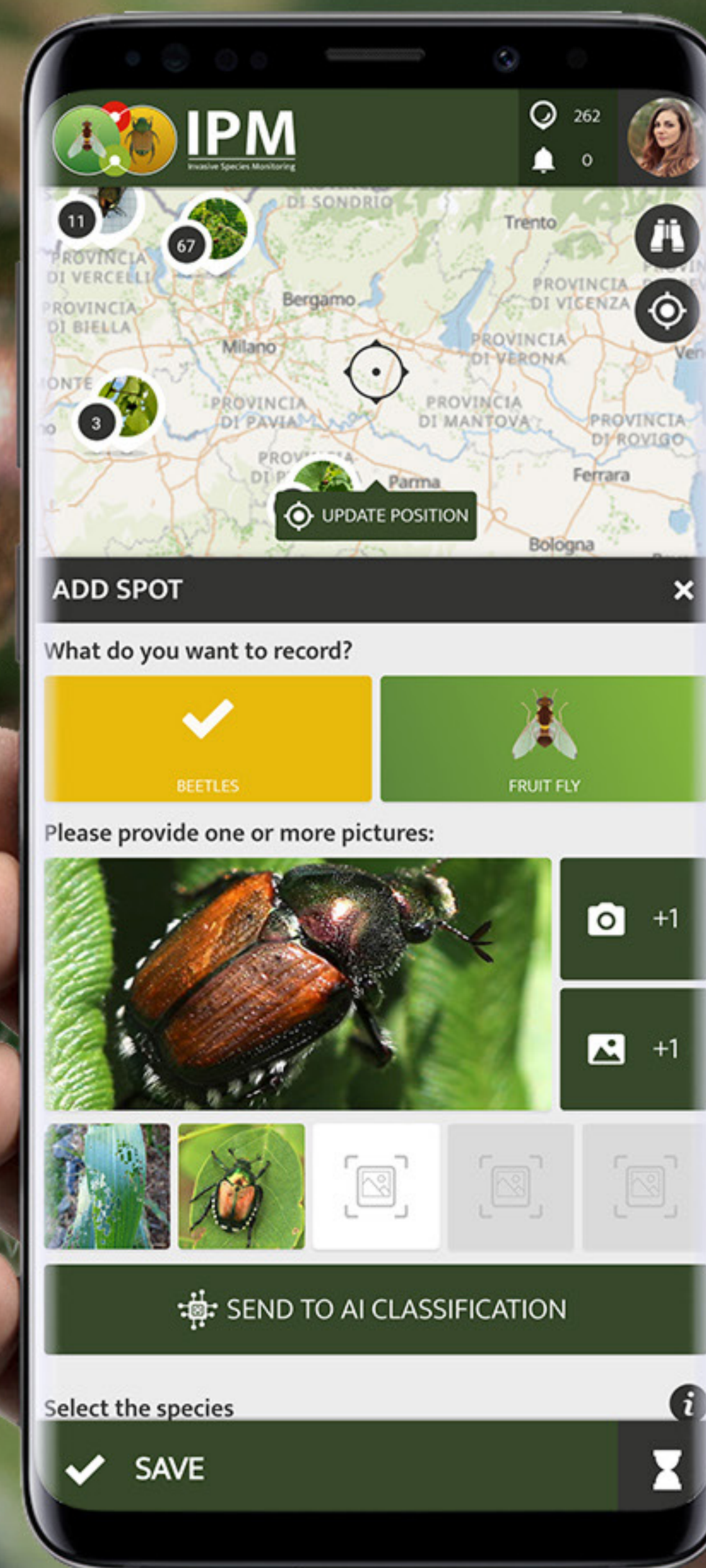
Invasive Species Monitoring

Invitation for Co-Use of monitoring Toolkit

SPOTTERON
www.spotteron.net



Funded by
the European Union





A modern Monitoring Toolkit available for Co-Use



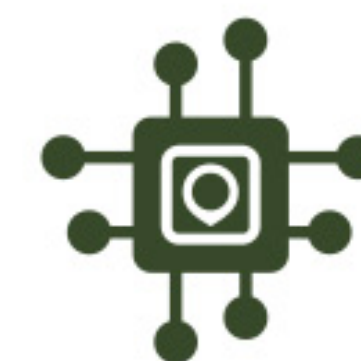
The modern IPM App Toolkit enables monitoring *Popillia japonica* and other invasive species via mobile phones, tablets, and desktop PCs. Additional tools like AI Species Identification or Automated Submission Reports are seamlessly integrated, and the Data Interface is available for partners for access and download live data anytime.



Built-In AI Species Identification

A core component for innovation in the IPM App Toolkit is a fully integrated and **customizable Artificial Intelligence (AI)** solution, that enables the identification of target species directly in the mobile App and on desktop/laptop computers.

We can **extend and train the AI system** to recognize additional invasive species or controlled pest dynamically for stakeholders' needs.



AI ID EXTENSION

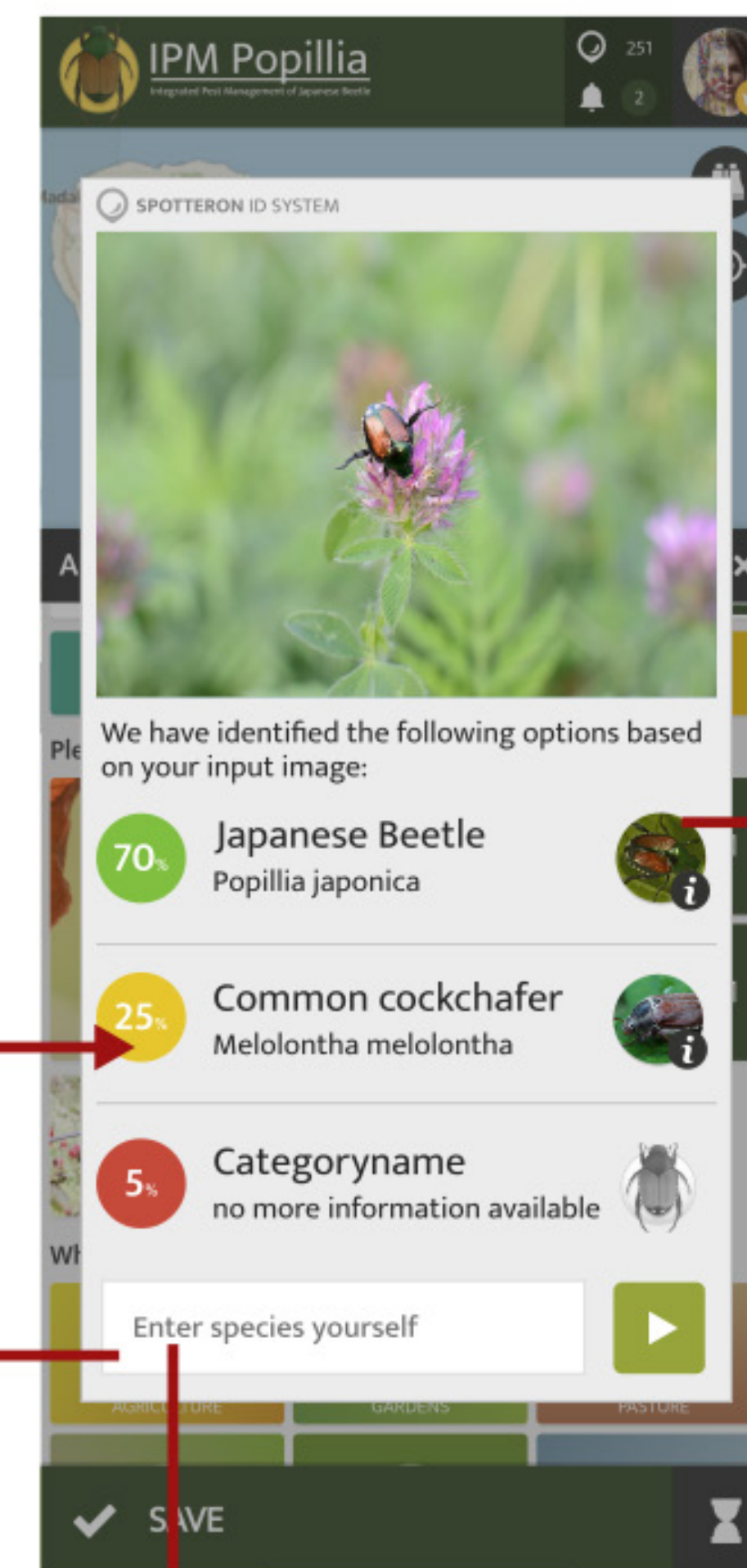
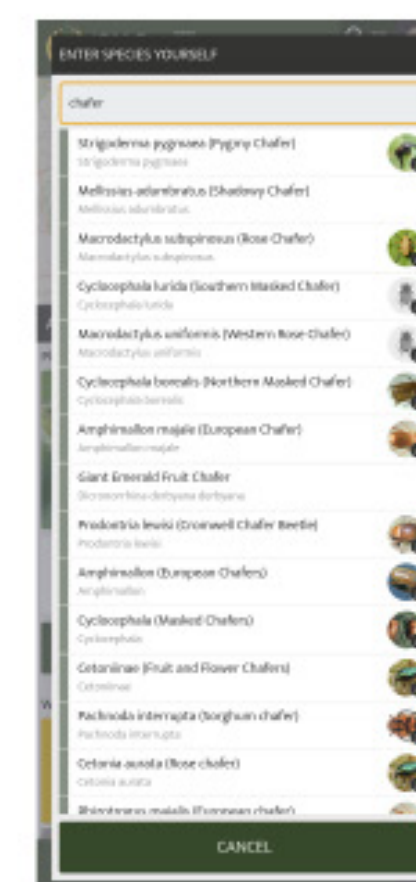


IPM Popillia
Integrated Pest Management of Japanese Beetle

Species Input Field Integration

Start typing the species name or select unknown if you are completely unsure:

- Prodontria lewisi (Cromwell Chafer Beetle)
Prodontria lewisi
- Amphimallon (European Chafer)
Amphimallon
- Cyclocephala (Masked Chafers)
Cyclocephala
- Cetoniinae (Fruit and Flower Chafers)
Cetoniinae
- Pachnoda interrupta (Sorghum chafer)
Pachnoda interrupta
- Cetonia aurata (Rose chafer)
Cetonia aurata



Click: > Category in App gets pre-selected
>> Hierarchy with preselect field is also autoselected

> Phase 1: Category: Other + Text autofill
> Phase 2: Backend Setup Option to add wikidata ID to Category options and automatch input of existing Wikidata IDs of inputs to button autoselection



From Expert Confirmation to Automatic Reports

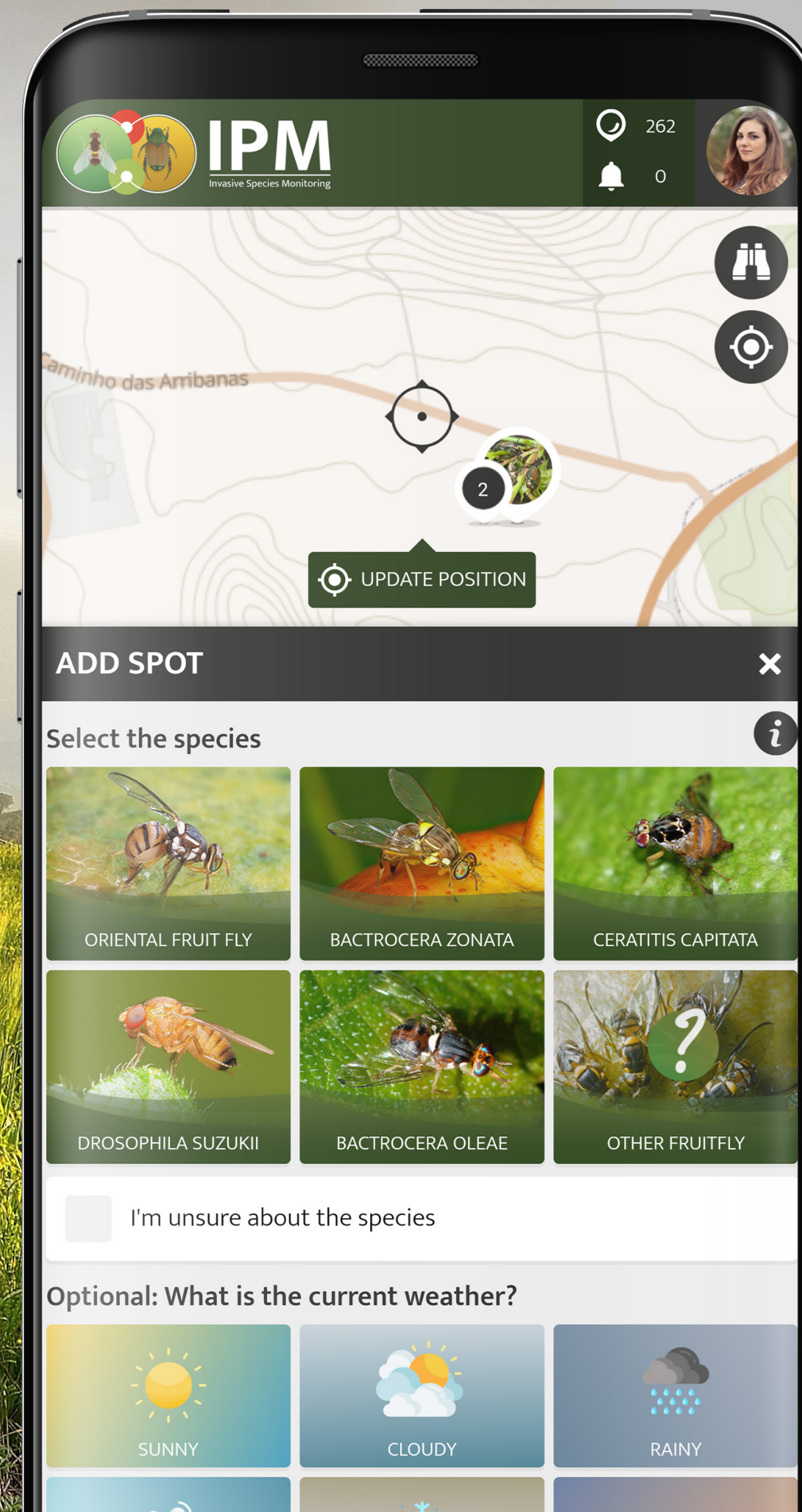
Open System for National Alerts of Priority Pest Sightings with Citizen Science



The App Toolkit can be used both by **field monitoring experts** and the **public**.

- Users can submit data points with meta data like GEO location, photos, and attributes.
- Experts can confirm data points directly in-App, which then can be **automatically reported to national authorities**.

FULL NATIONAL INDEPENDENCE AND DATA OWNERSHIP



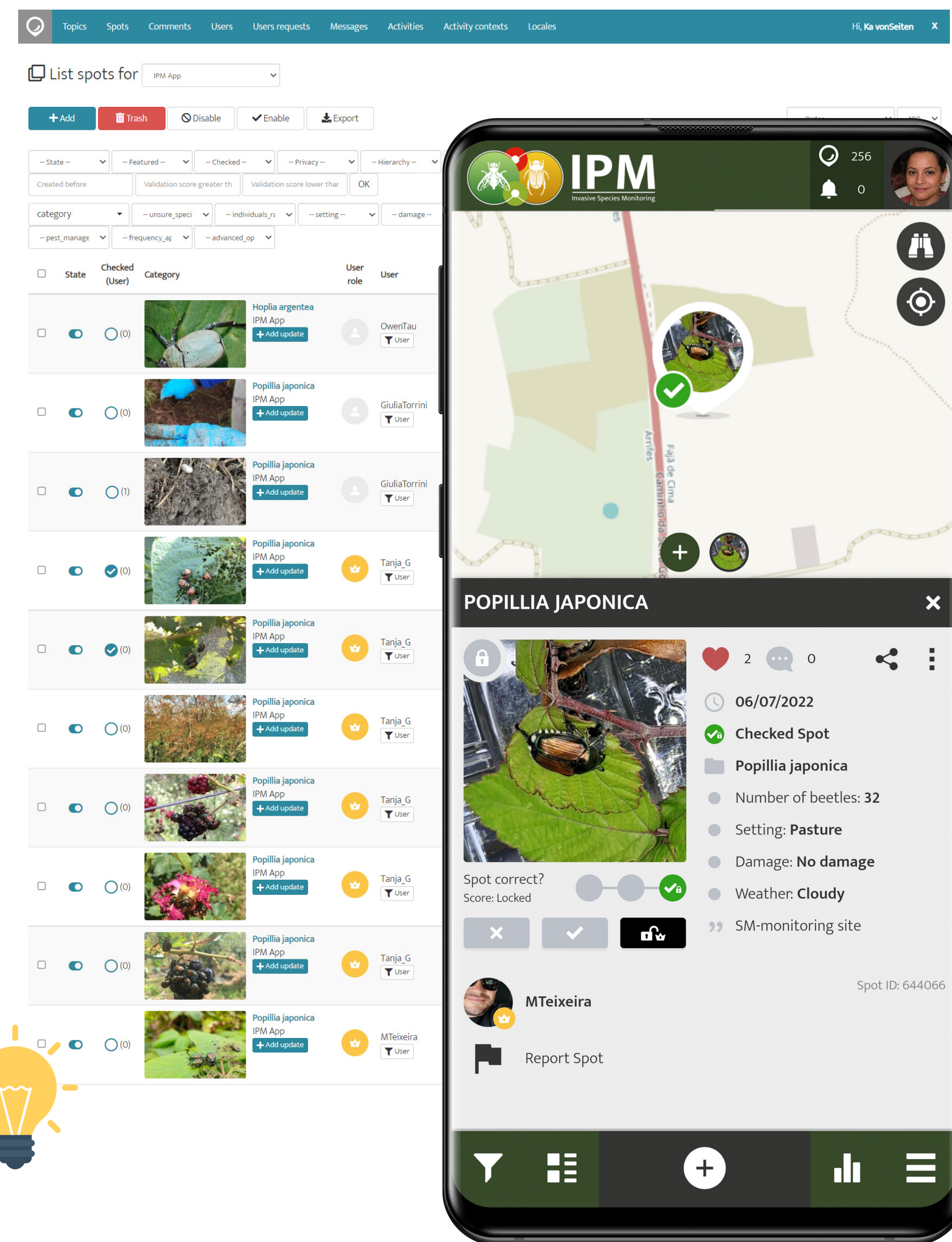
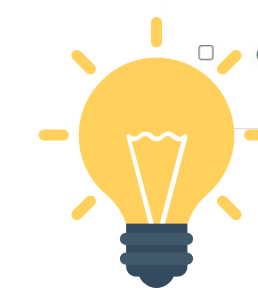


Self-managed National Admin Access

Furthermore, we can set up exclusive national admin accounts for your country, enabling independent use. Data is protected by secure logins & always available.

Project Partners can use:

- **Data Administration** for their own country or region, including live data export option
- **Expert user accounts** in frontend (App) with data moderation/data validation possibility
- **Modern in-App communication tools** and push messages to reach out to all national users
- **with many additional features** for education, engagement, and data quality support





Technology built with ❤️ in Europe

In the current times, it is essential to actively support the **European strategy for technological autonomy and digital independence.**

The SPOTTERON platform has been spearheading European IT and digital values in monitoring/citizen science apps since its founding 2014.

We apply privacy and data protection ethics beyond the General Data Protection Regulation (GDPR) in all services and apps, and we do not monetize any user data.

All apps and systems are maintained and ongoingly updated for best-practice security, compatibility, and long-term stability on an Europe-centric high-performance IT infrastructure.



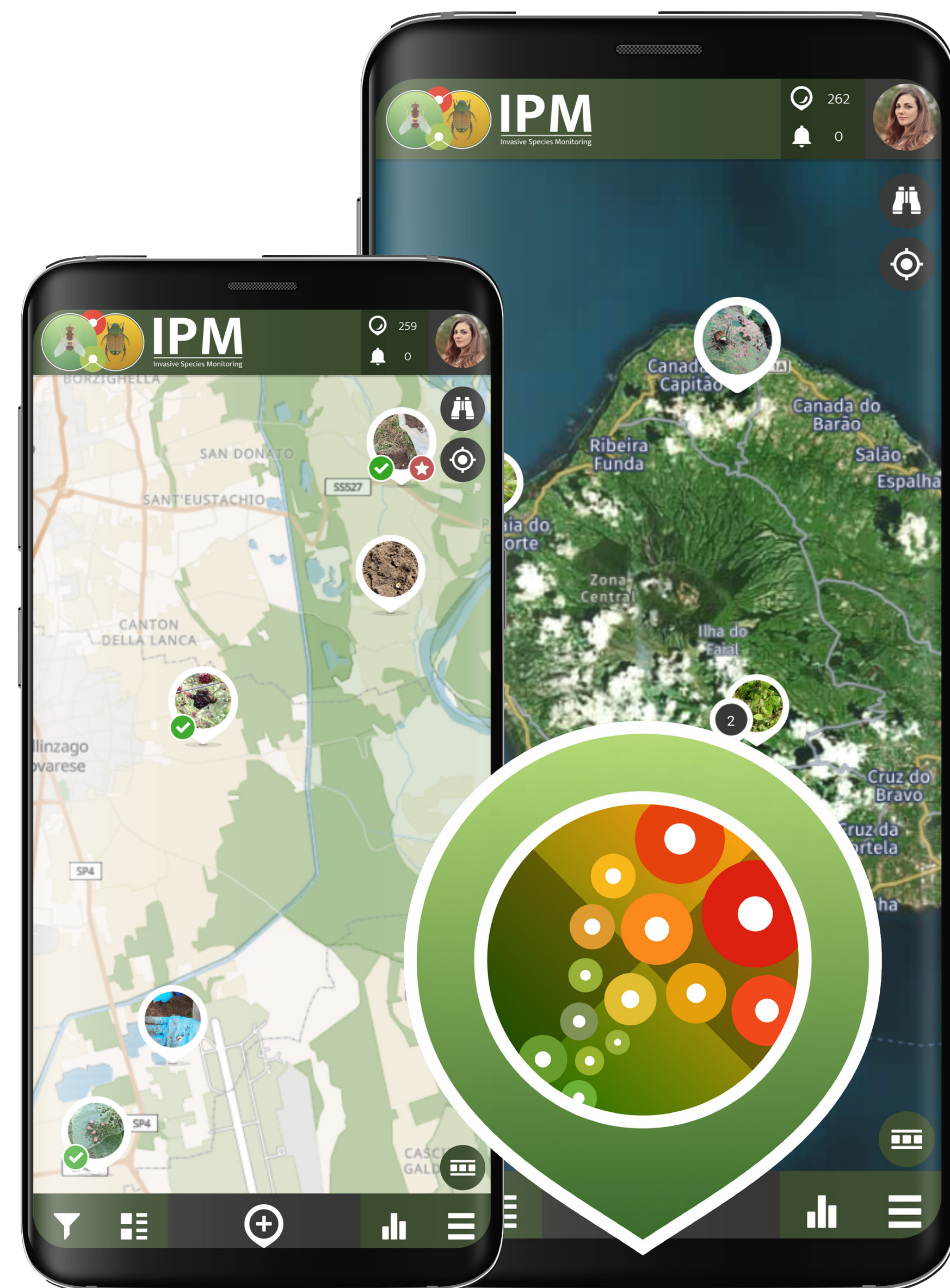


Invitation to Co-Use

With the IPM App being finalized, we are now inviting **national stakeholders, plant health agencies and science groups** to co-use the App Toolkit.

We offer a **very cost-efficient, modern, and high-quality option** for professional expert monitoring and public Citizen Science observations, which can also be flexibly extended with more invasive or agricultural pest species.

With extended features like the Automated Reporting System, AI Species Identification, Communication Tools and Direct Data Access, we envision **the IPM App Toolkit** to become a platform for working together.





THANK YOU

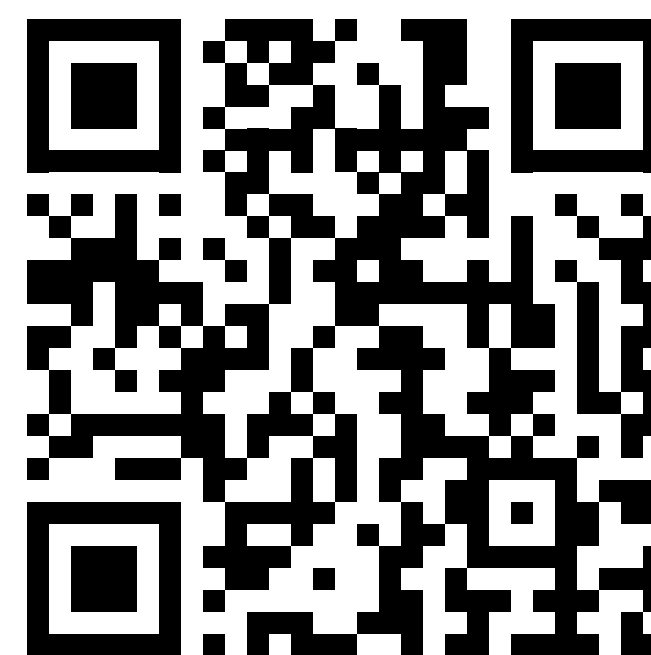
Let's get in contact!



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The IPM Toolkit has been created
in the IPM-Popillia Project:



IPM Popillia
Integrated Pest Management of Japanese Beetle

web: www.popillia.eu

email: office@popillia.eu

Coordinated by  Agroscope



iOS



Android



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