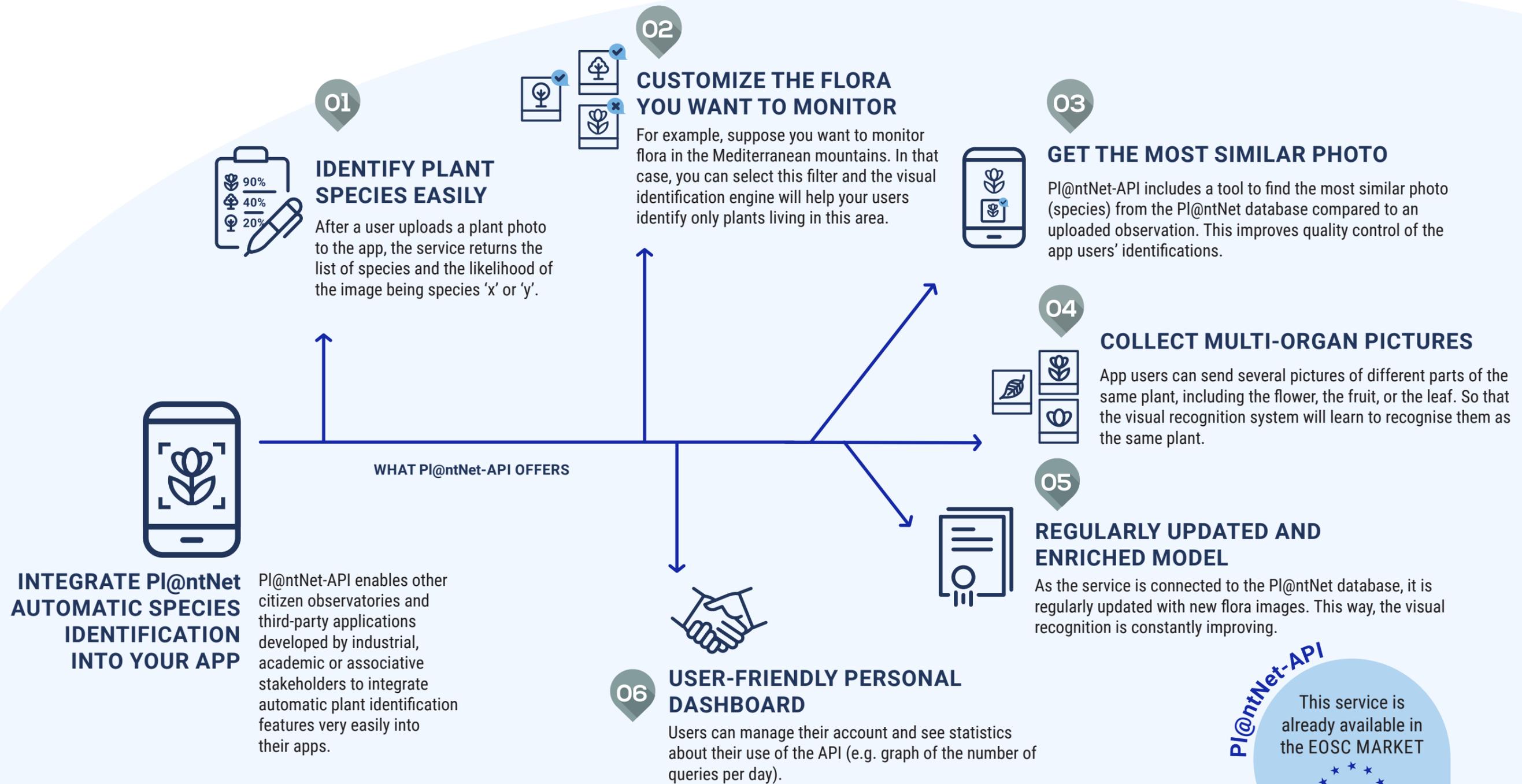# Pl@ntNet-API
Why should you use Pl@ntNet-API?

Use Pl@ntnet-API to integrate Pl@ntNet's visual identification engine into your app and improve your users' experience.

Cos4Cloud
Co-designing Citizen Observatories Services for the European Open Science Cloud

01

IDENTIFY PLANT SPECIES EASILY

After a user uploads a plant photo to the app, the service returns the list of species and the likelihood of the image being species 'x' or 'y'.

02

CUSTOMIZE THE FLORA YOU WANT TO MONITOR

For example, suppose you want to monitor flora in the Mediterranean mountains. In that case, you can select this filter and the visual identification engine will help your users identify only plants living in this area.

03

GET THE MOST SIMILAR PHOTO

Pl@ntNet-API includes a tool to find the most similar photo (species) from the Pl@ntNet database compared to an uploaded observation. This improves quality control of the app users' identifications.

04

COLLECT MULTI-ORGAN PICTURES

App users can send several pictures of different parts of the same plant, including the flower, the fruit, or the leaf. So that the visual recognition system will learn to recognise them as the same plant.

05

REGULARLY UPDATED AND ENRICHED MODEL

As the service is connected to the Pl@ntNet database, it is regularly updated with new flora images. This way, the visual recognition is constantly improving.

WHAT Pl@ntNet-API OFFERS

INTEGRATE Pl@ntNet AUTOMATIC SPECIES IDENTIFICATION INTO YOUR APP

Pl@ntNet-API enables other citizen observatories and third-party applications developed by industrial, academic or associative stakeholders to integrate automatic plant identification features very easily into their apps.

06

USER-FRIENDLY PERSONAL DASHBOARD

Users can manage their account and see statistics about their use of the API (e.g. graph of the number of queries per day).

Pl@ntNet-API

This service is already available in the EOSC MARKET

This project is part of:
EUROPEAN OPEN SCIENCE CLOUD

Cos4Cloud coordination:
CSIC
CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS

Institut de Ciències del Mar

Service coordinator:
Inría