MOBIS
MOBILE OBSERVATION INTEGRATION SERVICE
Why should you use MOBIS?

A service to create integrative citizen science mobile applications: report all your environmental and biodiversity observations in one application.

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

ENVIRONMENTAL SENSORS

CITIZEN SCIENCE BIODIVERSITY APPS

01 BUILD AN APP TO INTEGRATE DIVERSE ENVIRONMENTAL AND BIODIVERSITY DATA

MOBIS will share its code with the community of developers so they can create new citizen science apps that integrate data from various environmental sensors and biodiversity platforms all in one Android or iOS app.

02 SECURE LOG-IN

MOBIS uses Authenix, a user registration service that guarantees GDPR compliance when logging into the app. This way, users only have to log in once and their privacy and data security are always respected.

03 PERSONALIZE YOUR CITIZEN SCIENCE APP

For example, a developer or a researcher interested in measuring water quality and getting air-quality readings for a research, will be able to build an app to collect this data instead of using several apps.

Cos4Cloud SENSOR INTEGRATION: A REAL CASE

MOBIS will facilitate the integration of the Cos4Cloud sensors in an app so that citizen scientists can upload and collect all data in one place. Eventually, it will also include Pl@ntNet data storage.

canair.io   iSPEX   Pl@ntNet   MARduino

CanAirIO: a low-cost sensor device to measure air quality
iSPEX: a sensor to measure aerosols and water colour (pollution indicators)
KdUINO: a buoy with sensors that measure water transparency (a pollution indicator)
Pl@ntNet: a citizen science platform for collecting plant observations

USERS SAVE TIME **04**

Anyone interested in developing a citizen science app can use MOBIS to allow their community to:

1. Log in just once
2. Choose which environmental or biodiversity data they would like to report
3. Store their observations (air, water, images) and upload them later