

STApplus

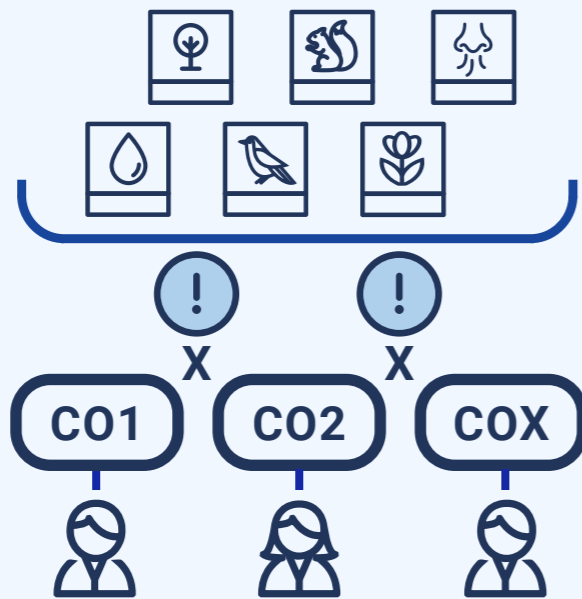
Why should you use it?

STApplus aims to standardise citizen science data and make it accessible, interoperable and reusable among different citizen observatories (COs) and services. In particular, STApplus is an extended data model for the Sensor Things API*.

01

THERE IS A HUGE AMOUNT OF CITIZEN SCIENCE DATA STORED IN THE CLOUD

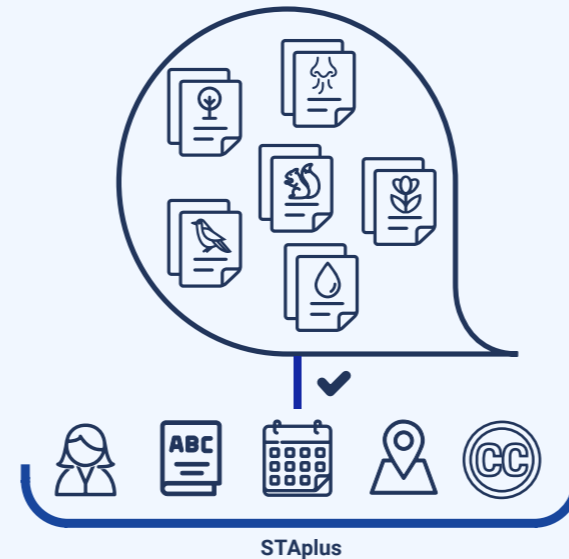
The problem is that it is usually extremely difficult to exchange data among different citizen science platforms - known as citizen observatories (COs) - or to reuse their data, as they don't speak a 'common language'.



02

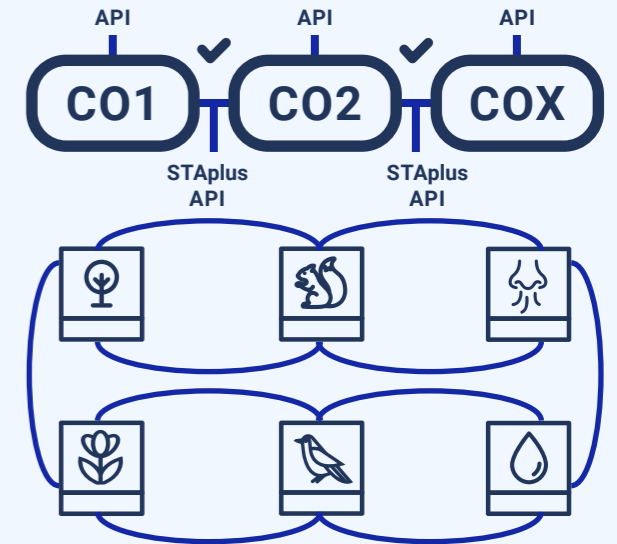
STApplus STANDARDISES THE DATA STRUCTURE

To tackle this 'communication problem', STApplus has extended the Sensor Things API data structure to apply it to citizen science. In particular, it has added these aspects: ownership of the observations, citizen science project or campaign, link between observations-author-project.



03

COs USING STApplus ARE ABLE TO EXCHANGE AND REUSE THEIR DATA



04

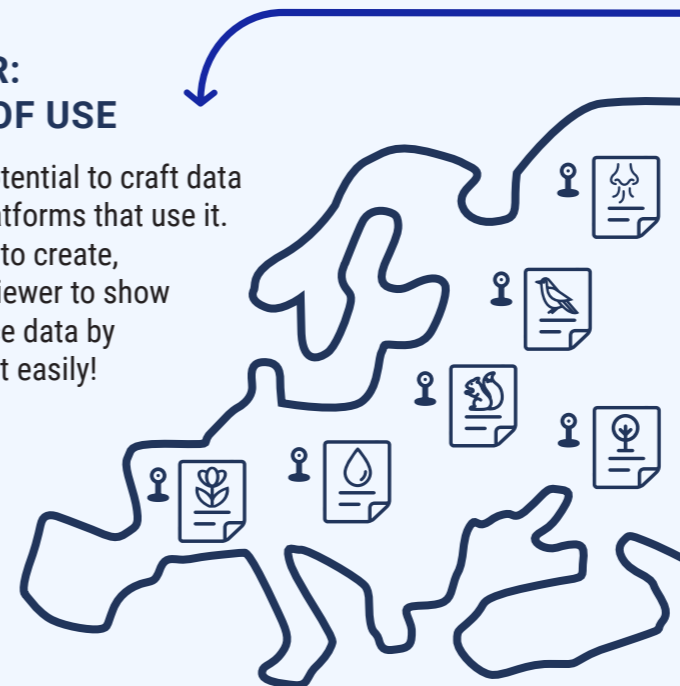
TO USE IT, YOU JUST HAVE TO ADAPT YOUR DATA TO THE STApplus DATA STRUCTURE

Even if you already have an API, you can add STApplus API and have both.

05

A MAP VIEWER: AN EXAMPLE OF USE

STApplus has great potential to craft data requests from the platforms that use it. This way, if you want to create, for example, a map viewer to show certain citizen science data by location, you can do it easily!



STApplus: SCENARIOS IN Cos4Cloud

Natusfera & Pl@ntNet, two of the biodiversity citizen observatories participating in Cos4Cloud, are already using this API.