

Developing Methods To Use Citizen Observations (CO)

Brief introduction to Citizen Observations plans in SYKE

Pyhälähti, Timo; Lindholm, Matti; Korhonen, Sami; Bruun, Eeva; Heinilä, Kirsikka; Alasalmi, Hanna; Junttila, Sofia; Lehto, Samuli; Keto, Vesa; Koponen, Sampsa
(Finnish Environment Institute SYKE, Finland)

PERCCOM Summer School

LUT, Lappeenranta, Finland 11th Jun, 2018

E N V I B A S E

Citizen Observation definition process

Target definition phase

Phase 1: Mapping requirements and defining targets for the CO subject

If deemed useful and suitable for testing

Testing phase

Phase 2: Test use in testing environment

If demonstrates potential for implementation in testing phase

Operative pilot phase

Phase 3: Implementation and deployment in common operative CO data gathering system

If practical CO data gathering on subject is demonstrated to be worth while

Operations instructions phase

Phase 4: Finalisation of deployment and instructions

Participation and/or automation?
Rules or spontaneous interest?

- Selection and definition of scope of citizen observer activity
- Testing & iteration for integration with other sources of data
- Process driven by environmental monitoring data requirements

If not enough merit or demand for extensive use

- JärviWiki or other Citizen Science platforms, web sites...
- Citobs Open311 Widget, Havaintolähetä: User interfaces for participation

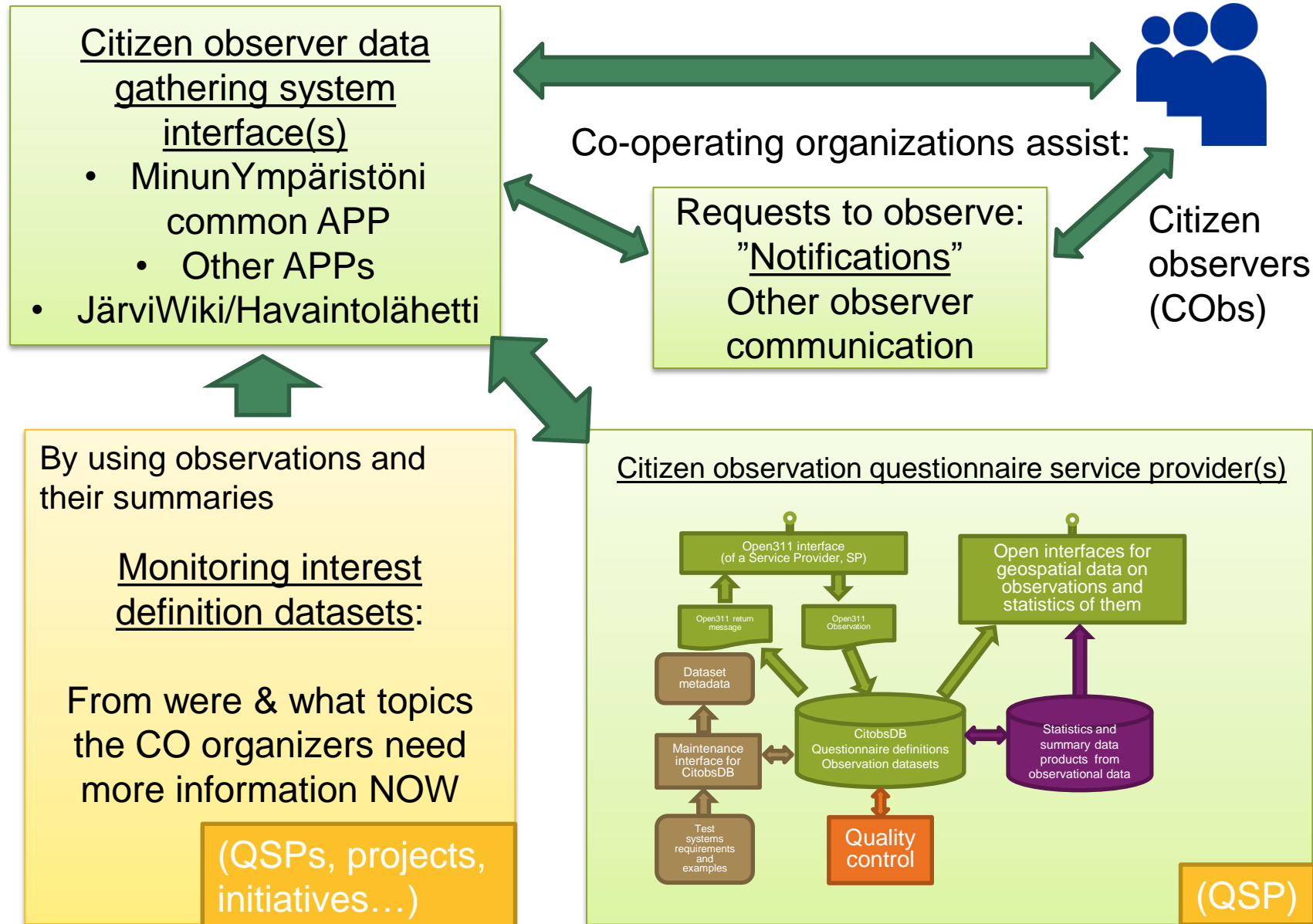
If quality or abundance of data does not merit continued gathering of CO data on this subject

CO data gathering systems for research and isolated investigations

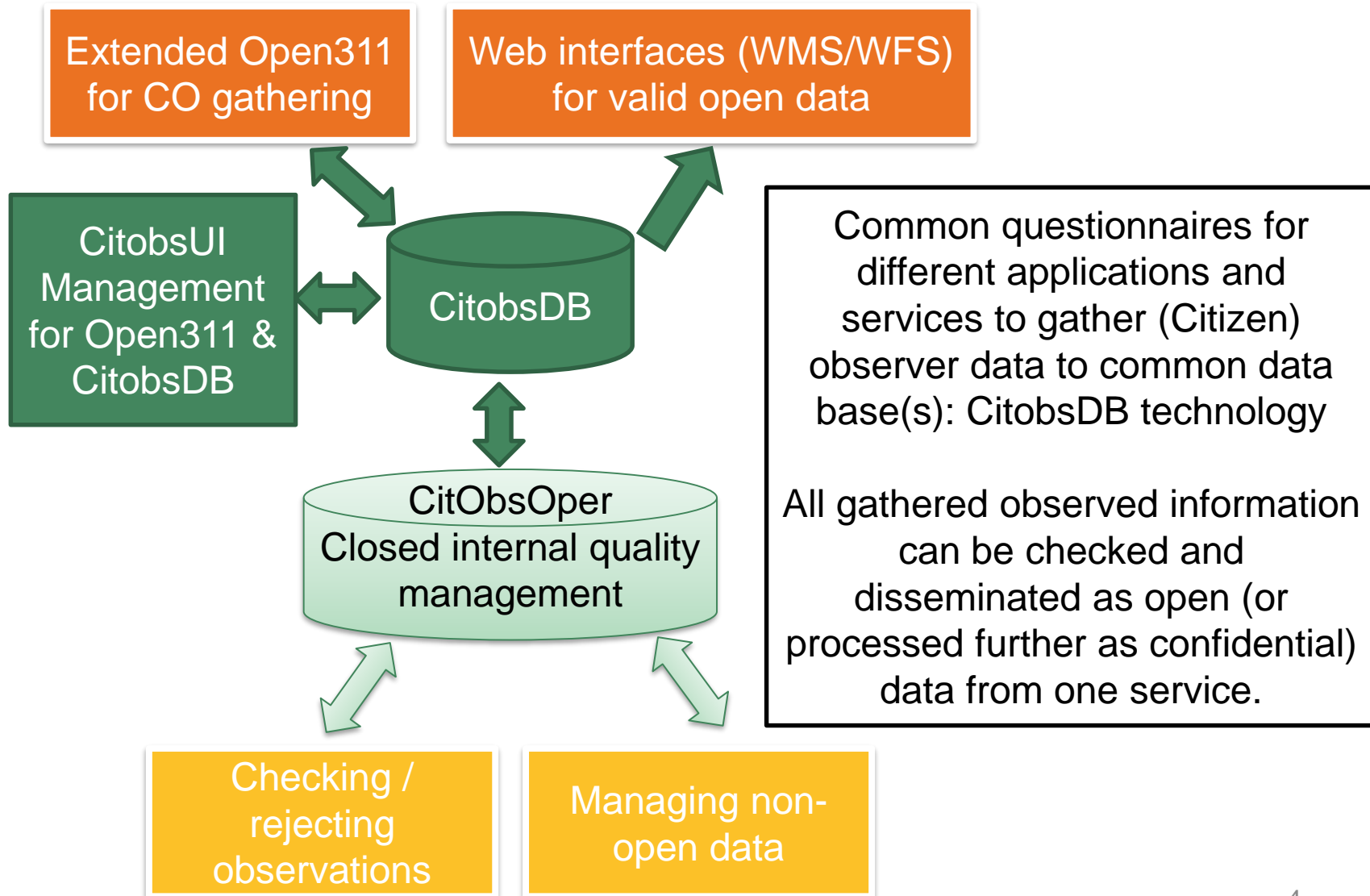
CitobsDB database, Open311 REST service

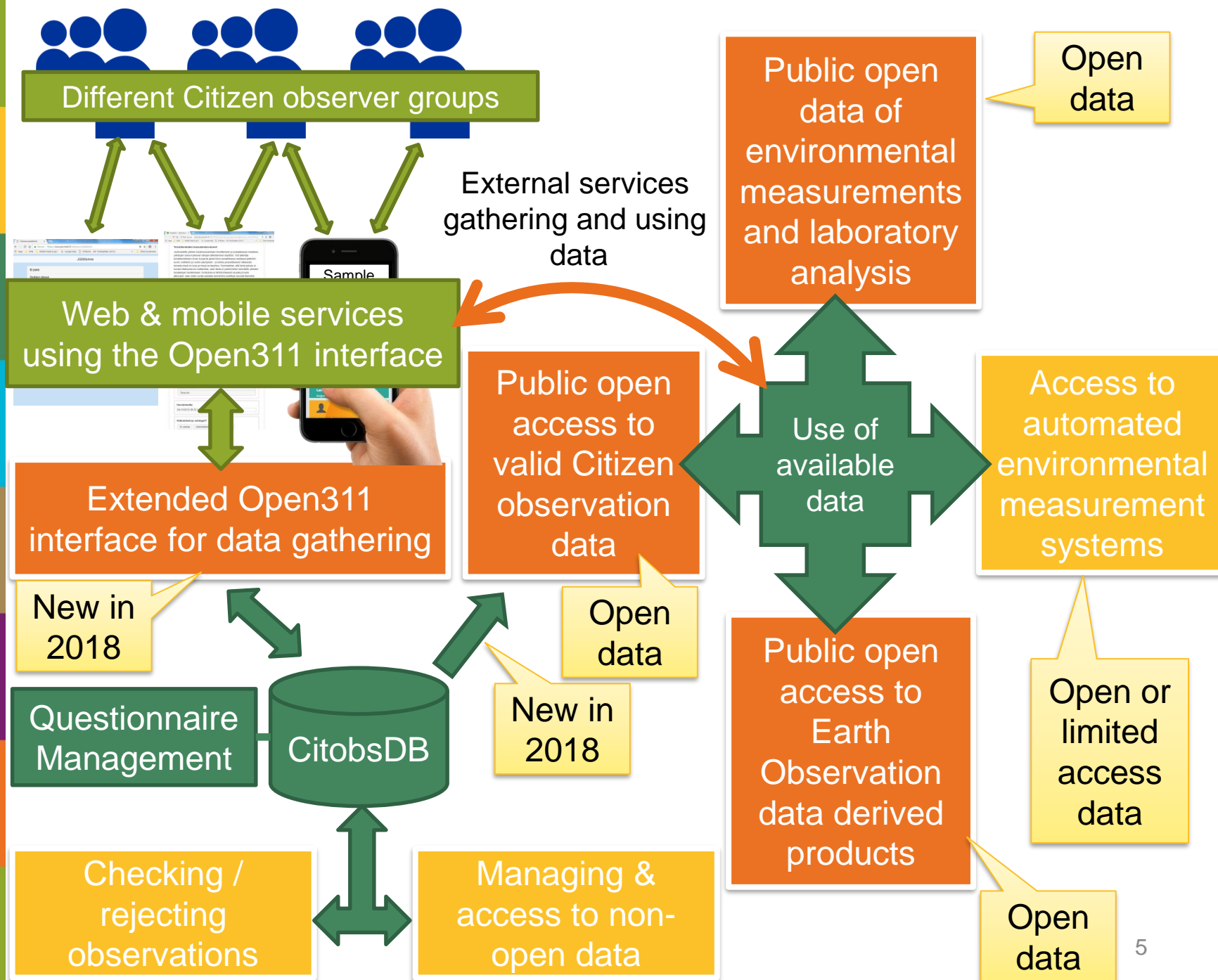
- Centralized data storage, possibility to input from different end user services: Co-operation of observer groups
- Observer motivation, activity organization: Less technical, merely human communications challenge

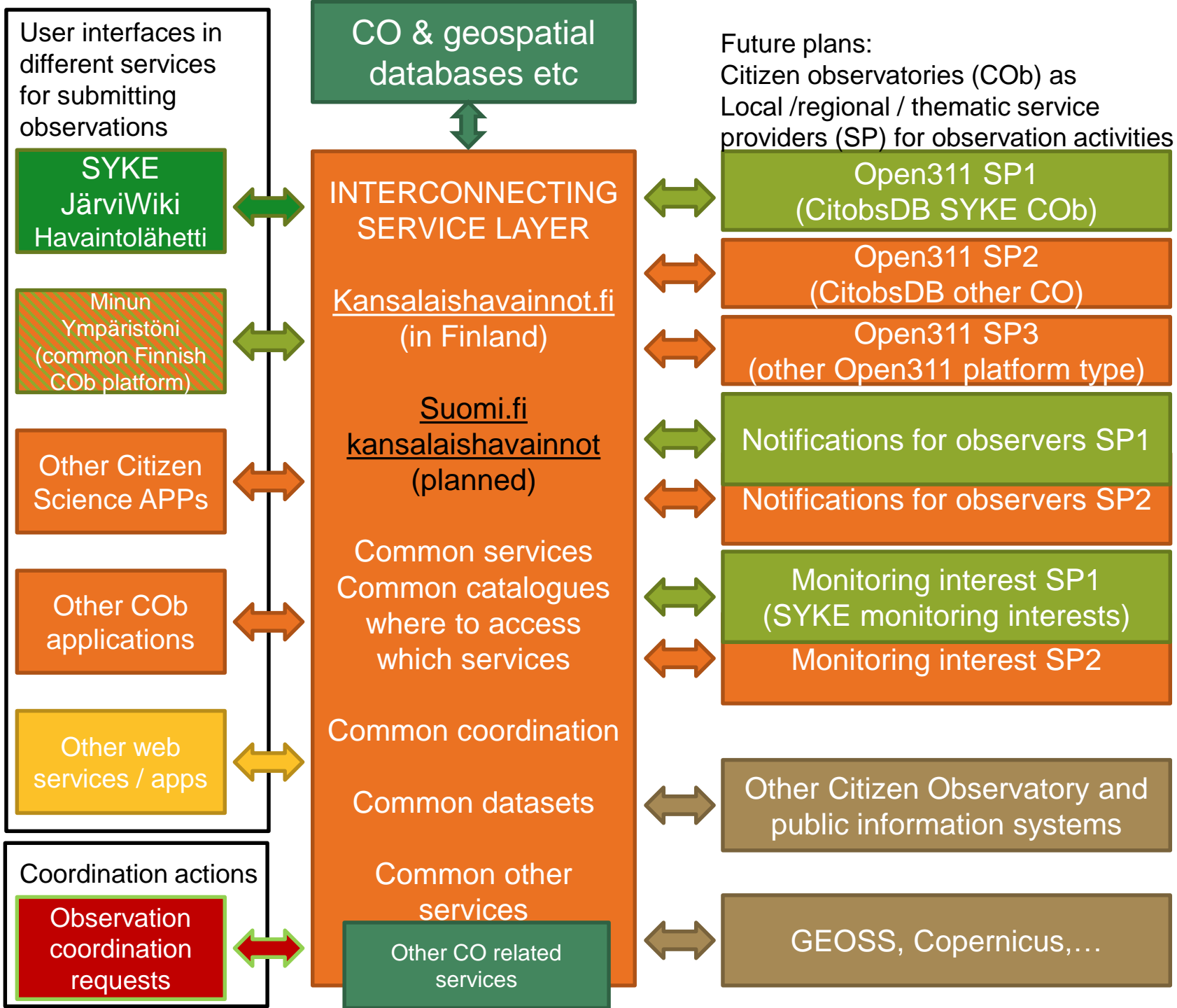
Citobs general architecture to coordinate and focus observer activities



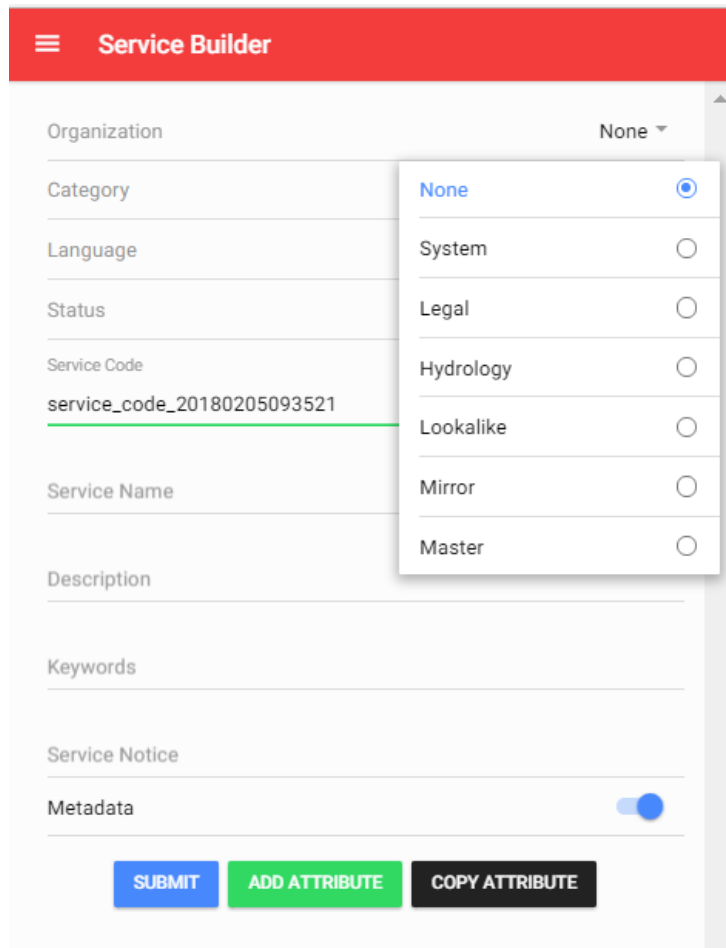
CitobsDB database with Open311 interface & open/closed data interfaces







CitobsUI management user interface for managing CitobsDB (web + mobile UI) for extended Open311 and OGC interfaces



Service Builder

Organization: None

Category: None (selected), System, Legal, Hydrology, Lookalike, Mirror, Master

Language:

Status:

Service Code: service_code_20180205093521

Service Name:

Description:

Keywords:

Service Notice:

Metadata: [toggle]

SUBMIT ADD ATTRIBUTE COPY ATTRIBUTE

- http://wiki.open311.org/GeoReport_v2
- "Category" for grouping different questionnaires eg.
 - "Hydrology"
 - Further topic groups...
- Special service categories
 - "Technical"
 - System
 - Legal
 - "Practical" co-operation
 - Lookalike
 - Mirror
 - Master

E
N
V
I
B
A
S
E

A COMMONLY available user interface option for SEPARATE CO questionnaire service providers (QSP)

Common interoperable map interface for observational data gathering interest of SEPARATE QSPs

Minun Ympäristöni

HAVAINTOPAIKKA
Vanha Porvoontie 34
01260 Vantaa

HAVAINTOAIKA
Päivämäärä: 1.2.2017
Kellonaika: 12:45

LUMEN PEITTÄMÄ ALA SYKE

Lumen peittävyys

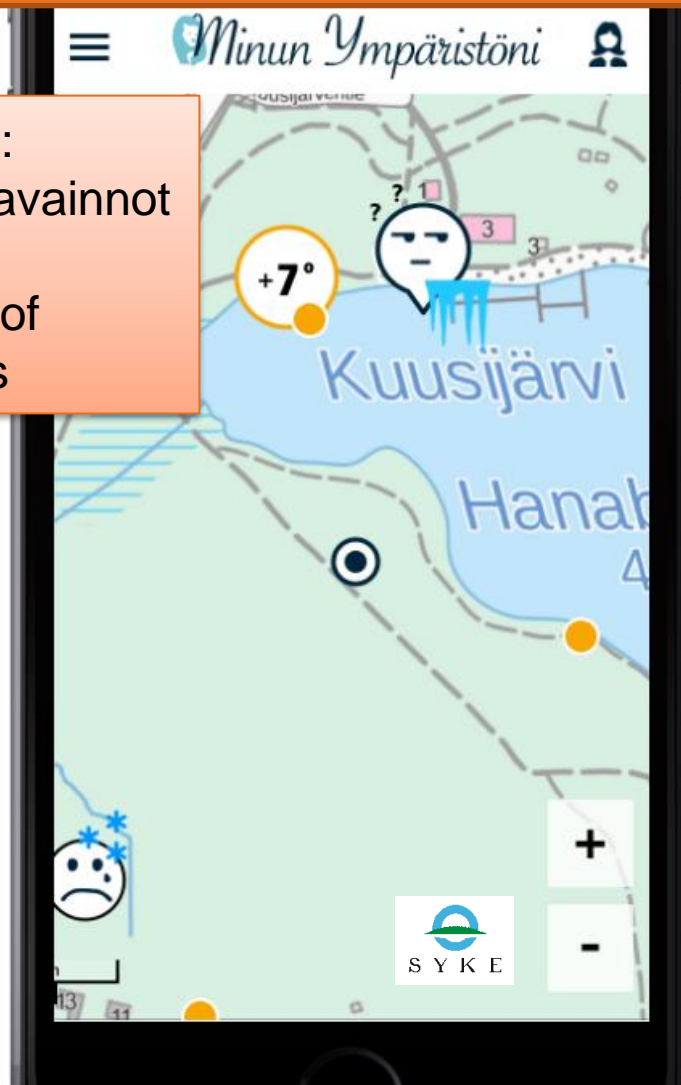
Maastotyyppi

Kommentti

PERUUTA LÄHETÄ

Future plans:
Suomi.fi kansalaishavainnot

Co-operation of
CO activities



Support for recruiting and motivating CObs for cross-QSP activities:
Interoperability of different citizen observation gathering systems

General contact on Citizen Observations @ SYKE:

kansalaishavainnot@ymparisto.fi

Thank you! Questions?

Kiitos!

Timo Pyhälähti (SYKE)
timo.pyhalahti@ymparisto.fi
12.6.2018 13:42

