CITIZEN SCIENCE

SDG

CONFERENCE

Knowledge for Change: A decade of Citizen Science (2020–2030) in support of the Sustainable Development Goals

14.–15.10.2020

MUSEUM FÜR NATURKUNDE
BERLIN

Experiments with interoperability to unlock the meaning within Citizen Science data.

Joan Masó (CREAF), Ester Prat (CREAF), Andy Cobley (University of Dundee)

The WeObserve project

- H2020 Project. Coordinate and support action
- Inventory of citizen observatories and sustainability
- Facilitate update and adoption in EO communities
- Create 4 Communities of Practice
  - CoP Engage
  - CoP Impact
  - **CoP Interop**
  - CoP SDGs
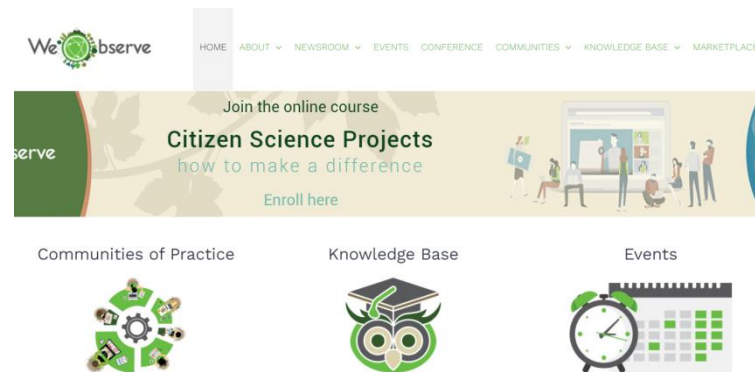
https://www.weobserve.eu/

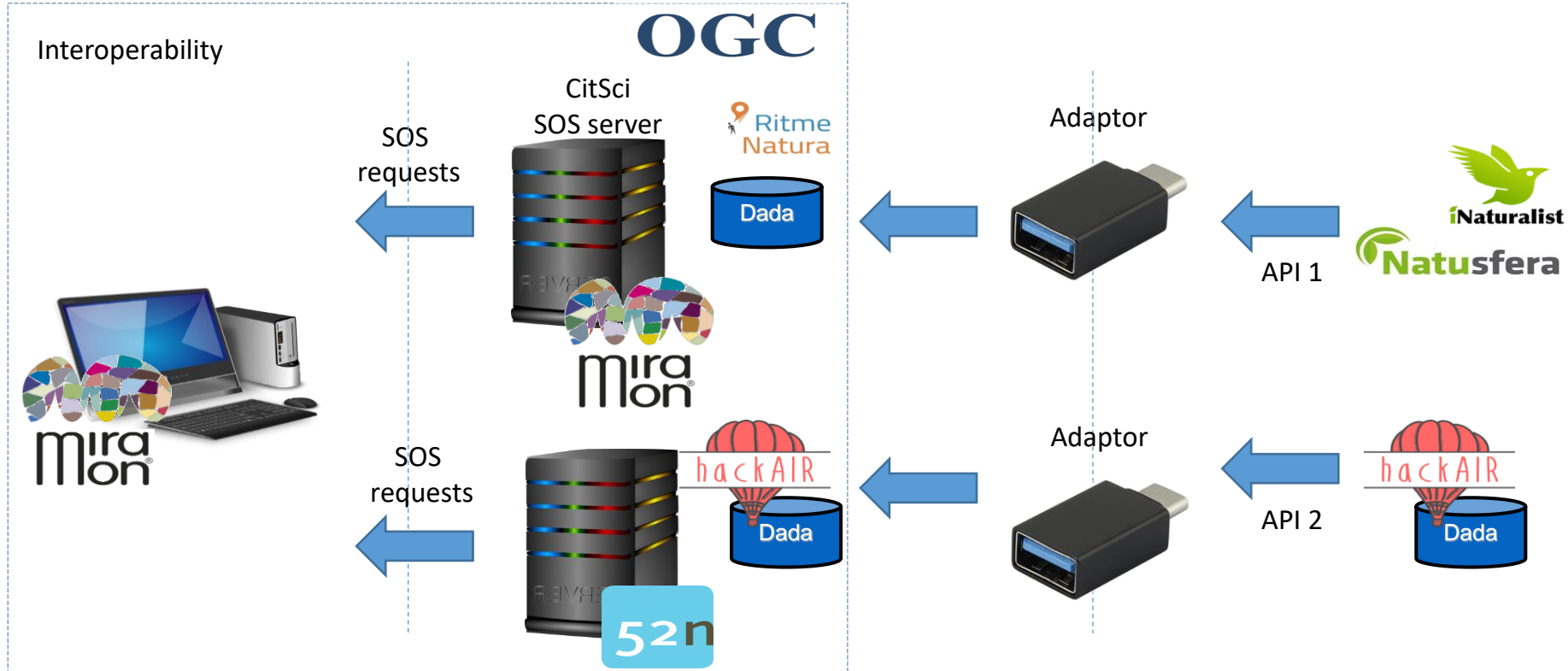**Experiments with interoperability to unlock the meaning within Citizen Science data.**

Joan Masó

We TEST Citizen Science data sharing using OGC standards such as O&M, SOS and STA

- We have 4 SOS services
  - GROW Hydrologic SOS
  - istSOS (http://istsos.org/) in DLR hackAir
  - 52North SOS
  - MiraMon SOS

- We have 3 SOS clients
  - the MiraMon Javascript
  - Grow client
  - Hergoland client from 52 North.

- We produced a set of instruction on how a CitSci project can easily setup a SOS service

Experiments with interoperability to unlock the meaning within Citizen Science data.

Joan Masó

Uta Wehn
@UtaWehn

@joanma747 presents the @GroundTruth20 data quality tool during @WeObserveEU #interoperability #CoP at #EGU19, applied to @MeetMeeMechelen & @hack_air data. @EU_H2020

Apr 11, 2019

Architectures enabled by standards (just one example)

Combination 1: Groudtruth with Hackair data

http://www.ogc3.uab.cat/gt20/?config=hackair.json
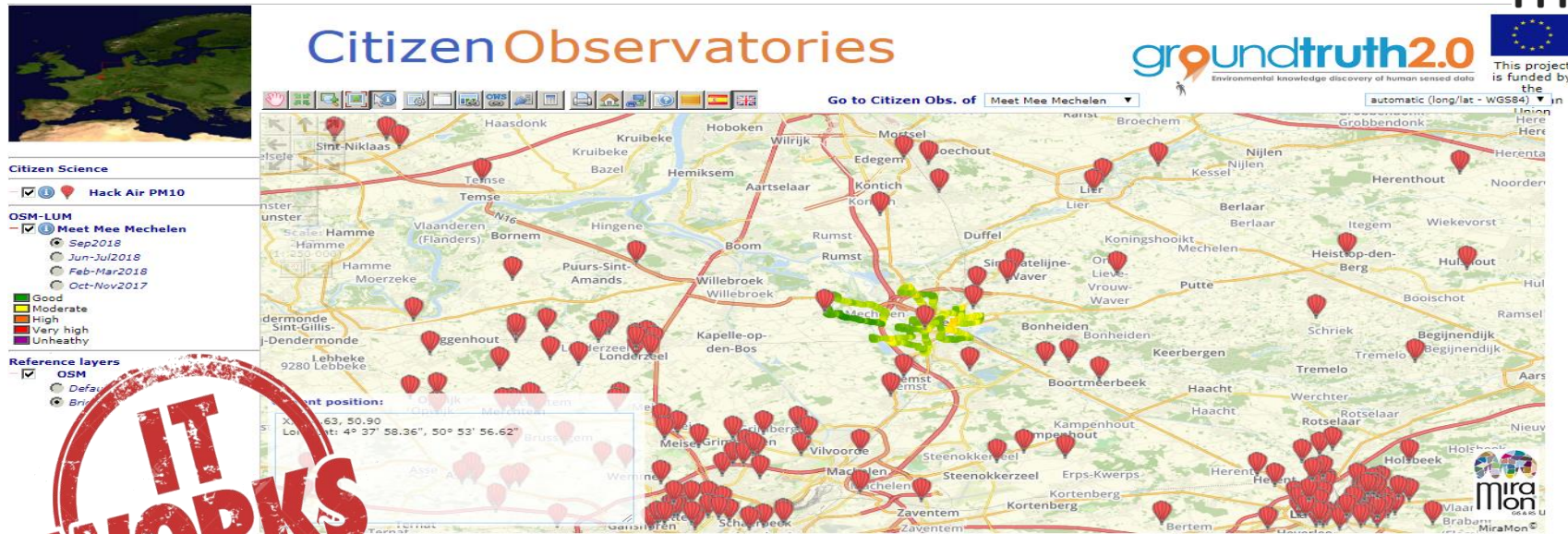
Combination 2: Grow with Hackair data

Combination 3: Helgolan with hackair data
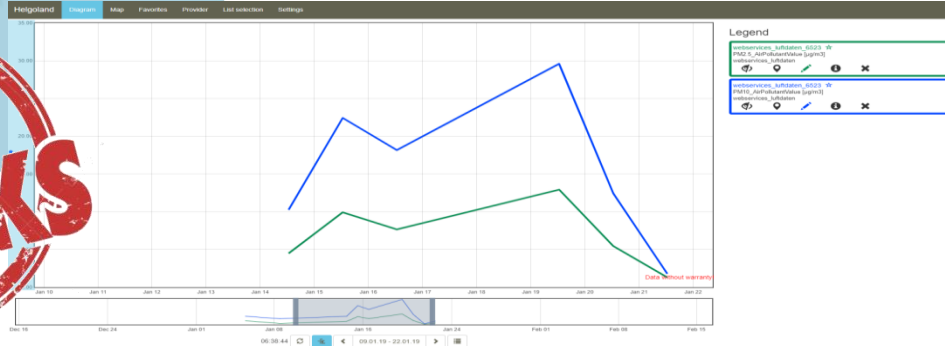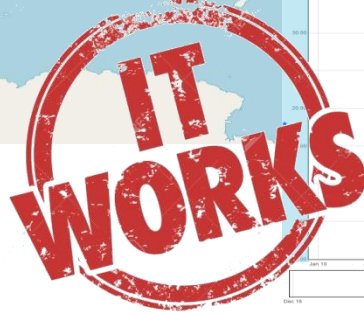
We document the results that are approved by the OGC

- https://www.ogc.org/docs/er

OGC Citizen Science Interoperability Experiment Engineering Report	19-083	Joan Masó	2020
This Engineering report describes the first phase of the Citizen Science (CS) Interoperability Experiment (IE) organized by the EU H2020 WeObserve project under the OGC Innovation Program and supported by the four H2020 Citizen Observatories projects (SCENT, GROW, LandSense, and GroundTruth 2.0) as …Click to continue reading			

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The second phase is in progress

- Topics and expected outcomes in the 2on Phase of the IE
  - SensorThings API
  - Supporting the Earth Challenge 2020 progress
  - OGC definition server
  - *COVID 19*

- More details here:
  - https://external.opengeospatial.org/twiki_public/CitSciIE

Nov 28, 2018

Experiments with interoperability to unlock the meaning within Citizen Science data.

Joan Masó

CoP forum 5 October 13th 2020

Thanks to the initiators and supporters of the IE

Initiators

Support

Experiments with interoperability to unlock the meaning within Citizen Science data.

Joan Masó

Thank you for listening