Capteurs Citoyens & Citoyens Capteurs

Table ronde "Air Quality meter- smart tech meets citizen science" - BRAL - 18/10/16

greenfab .brussels

Projets de capteurs citoyens dans le monde

@SmartCitizenKit
@ik_adem
@safecast
@HabitatMap
@arrayofthings
@sensebox_de
@paccotest
@Plume_Labs
@CleanSpace

H2020

@hack_air
@MakingSenseEU

Projet Smart-Citizen

smartcitizen.me

docs.smartcitizen.me

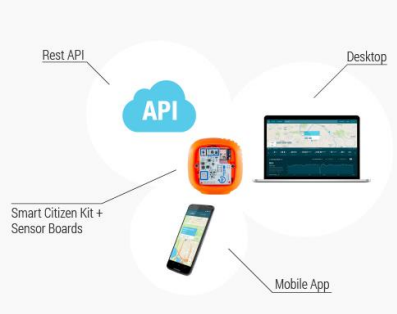
developer.smartcitizen.me

making-sense.eu

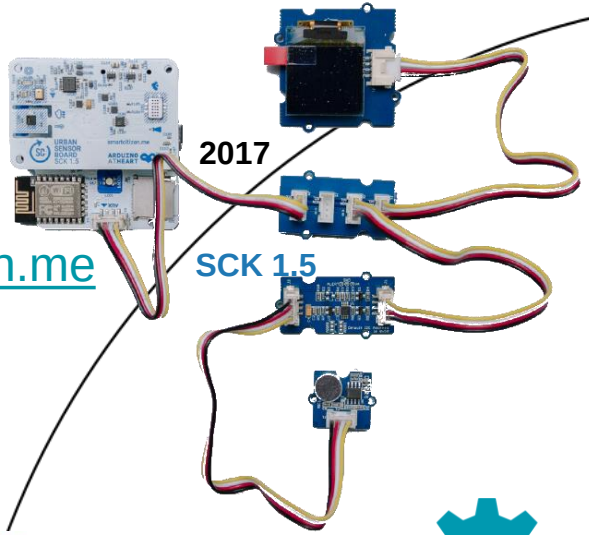
2016

making-sense.eu

SCK 1.1



2017



SCK 1.5

ARDUINO ATHEART

2012

FAB LAB BARCELONA

2013

SCK 1.0

GOTEO

14k€

68k$

open source hardware

CC-by-nc-sa & GPLv3

Futur ?

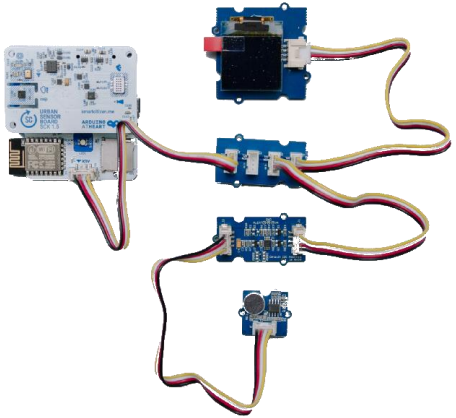
In collaboration with

waag society

institute for art, science & technology

LoRaWAN

SCK v1.5



Disponible début 2017

Capteurs de **CO**, **NO_2**, Lumière, Bruit, Température et Humidité

Connectivité Wifi, Batterie, Alimentation par panneau photovoltaïque ou USB

Connecteur pour capteurs Grove System (wiki.seeed.cc/Grove_System)

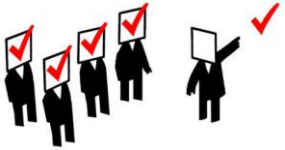
Open Source Beehives @OSBeehives · 31 mai
Installing a modified @SmartCitizenKit in one of our Barcelona Warré hives at @valldauralabs #savethebees

SmartCitizenKit a retweeté
Aquapioneers @aquapioneers · 30 sept.
@aquapioneers+@SmartCitizenKit = Open Tech for locally productive & globally connected #aquaponic community ? stay tuned :) #citizenscience
IaaC, Green Fab Lab, Tomas Diez et 6 autres

Plateforme

SCK =
Sensor Board +
Processor Board +
Arduino Code +
Battery +
Enclosure +
(Photovoltaic Pannel) +
(Grove Sensors)

API



Applications
Code in
JavaScript
Python
C#
PHP
Java
...

Making Sense (http://making-sense.eu)

OUR MISSION

Making Sense is a project that will run for two years between 2015 and 2017.

We aim to explore how open source software, open source hardware, digital maker practices and open design can be effectively used by local communities to fabricate their own sensing tools, make sense of their environments and address pressing environmental problems in air, water, soil and sound pollution.

Joint Research Centre | FabLab Network | IaaC | Waag Society | Peers Educators Network | University of Dundee

HOW WE'RE DOING THIS

SENSING

Open source technologies that gather environmental data

With communities across Europe, we will be co-creating sensors & devices that use the **Smart Citizen platform** to capture environmental data.

AWARENESS

Enabling and designing platforms for collective sensemaking

We'll be testing tools and methodologies for *making sense* of data in pilots in **Amsterdam, Barcelona** & **Prishtina**, and raising awareness of social and environmental issues.

ACTION

Moving on a trajectory from awareness to positive change

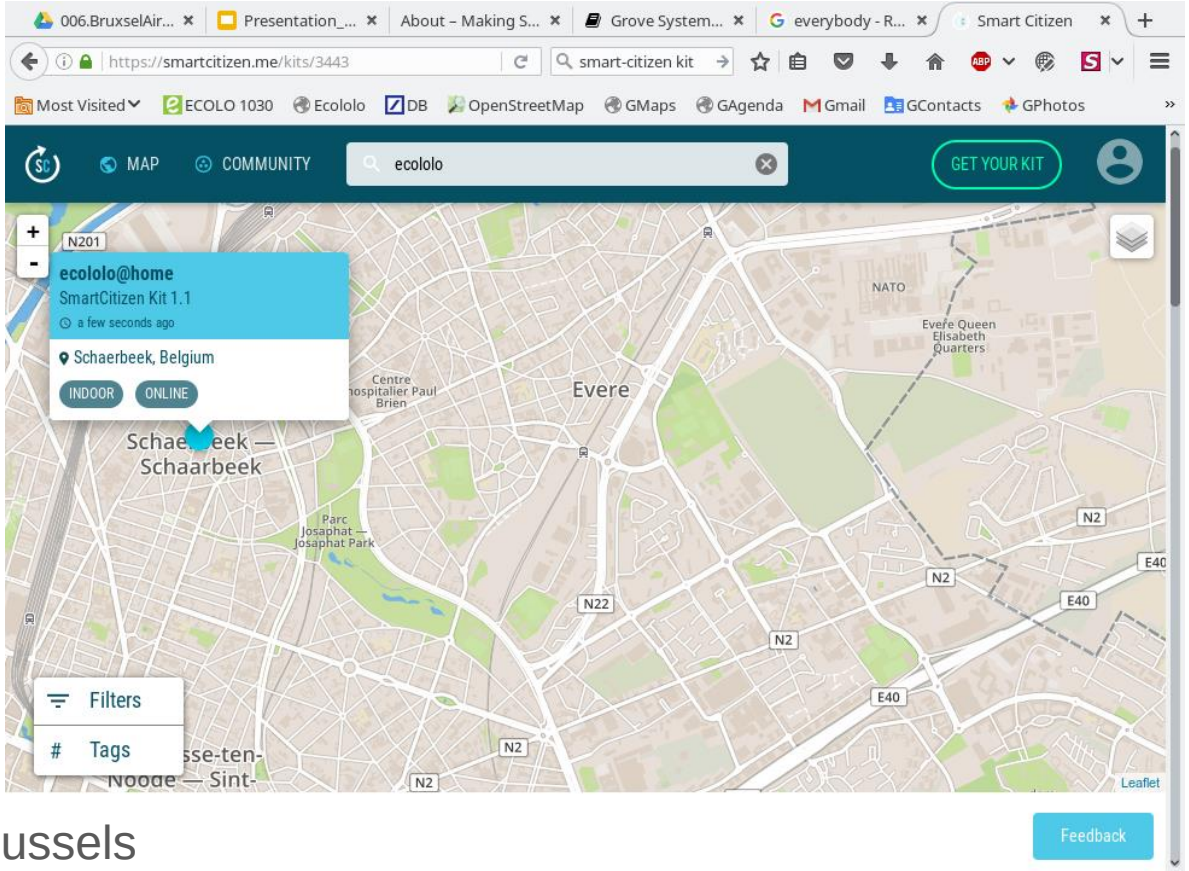
With the pilot learnings we will develop the **Making Sense toolkit** – a manual to organise citizen sensing campaigns for positive social change.

http://greenfab.brussels

https://twitter.com/greenfabbxl

https://www.facebook.com/greenfab.brussels/

https://smartcitizen.me/kits/3443



laurent.pirotte@greenfab.brussels