



Transforming citizen sensing

a four-day design sprint about open source hardware for air quality measurement inspired by real use cases

Thurs April 29 -
Thurs May 20

7:00 - 9:00 pm CET

Online

Following the Transforming Citizen Sensing Conference in December and recent interview series, [Waag](#) and [Sodaq](#) will organise a four-day design sprint in which we will work on different scenarios of air quality concerns inspired by real use cases. We will address concerns related to technology and data quality but also to industry, politics, personal and public health, knowledge, and skills.

The goal is to identify the requirements a sensor should meet in order to address common issues and to discover the limits of what is technically possible with open source hardware.

We will co-design the concept of a sensing device or part of it and we will define the technical specifications of an electronic product through a series of four appointments.

Overall Process

- Conference
- Interviews
- Design Sprint**
- Prototype co-development
- Test stage
- Final product

Design Sprint Programme

Thursday April 29 | 7:00pm - 9:00 pm

Design Sprint 1 – Kick off, impacts and roles

Thursday May 6 | 7:00pm - 9:00 pm

Design Sprint 2 – Sensing, power, communication, hardware

Thursday May 13 | 7:00pm - 9:00 pm

Design Sprint 3 – Data and device enclosure

Thursday May 20 | 7:00pm - 9:00 pm

Design Sprint 4 – Pitch concept and win

The programme will be presented in English, while some break-out sessions can optionally be in Dutch.

Are you a maker, a data scientist, a sensing citizen, community manager, or environmentalist? Do you have experience with open source air quality sensing devices?

Take part with Sodaq and Waag in the co-development of an open source prototype! The prototype will be developed based on the winning concept of the design sprint. As a participant, you will be invited to join the test stage and get early access to the final product.

[More information & registration](#)



This event is organised within the [OpenNext](#) project that has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 869984.