



25 May 2018

## ***Involving citizens in air quality monitoring through Citizen Science initiatives***

Covent Garden, 25th floor, Place Charles Rogier 16, 1210 Brussels

### **Background info**

Citizen science activities can be a means to raise awareness and help citizens to learn more about their exposure to environmental stressors such as air pollutants, take informed decisions which may also facilitate behavioural change. Citizen science activities can also be a tool to mobilise communities, participate in discussions on environmental issues and develop and implement ideas for a greener urban future. In particular air pollution is a topic of increasing concern of citizens and communities in many European cities. Low-cost sensor technologies which are easy to use can help to provide real-time data and new opportunities to engage citizens in active environmental monitoring. This also raises questions on the data quality and their appropriateness and value for public use. In this session the project [iSCAPE](#) and [Ground Truth 2.0](#) funded by the EU Research and Innovation programme Horizon 2020 and other related projects will present their experience with citizen's engagement and environmental monitoring using low costs sensors. We encourage Citizen Science projects and initiatives to join the session and share their experience. The interested public can learn more about citizen science initiatives and low-cost sensors for monitoring air pollution and personal exposure assessments.

The **objectives** of the event:

- To facilitate an exchange and knowledge sharing between different projects and initiatives working with citizen science activities in the field of air quality
- To learn more about air quality monitoring through citizen science initiatives and to share experience with data collection/validation and use of different sensor devices
- To demonstrate or allow interested participants to test one or more sensor devices

# Draft Programme

## 08:30-09:00 Registration

09:00 – 09:30 Welcome, opening remarks and introduction to the topic

09:30 – 09:50 iSCAPE – Engaging citizens with Living Labs

09:50 – 10:10 Ground Truth 2.0 and FLAMENCO –Engaging citizens through Citizen Observatories

10:10 – 10:30 Curieuze Neuzen – 'Rolling out' Citizen Science initiatives in Flanders

10:30 – 10:45 hackAIR– Engaging citizens with open technologies

## 10:45 – 11:00 Coffee break

11:00 – 12:00 Panel discussion and experience sharing

Potential and key challenges of citizen science for air quality monitoring and citizen involvement

- Technology-based methods and success factors of engaging citizens
- Citizens awareness and behavioural change engaging different population groups and areas
- Sensor devices, data collection methods, interpretation and validation
- Quality and usability of data for air quality reporting, policy and measures

12:00-12:15 Wrap- up and conclusions

## 12:15 – 13:00 Sandwich lunch

13:00 – 14:00 Sensor kit demonstrations: Presentation and testing of different sensor devices with interest participants