ACTION

# WHAT

**ACTION transforms citizen science (CS): it makes it even more participatory, inclusive, citizen-led and democratic. ACTION acknowledges the diversity of the CS landscape and the challenges CS teams have to meet by providing ad hoc methodologies, tools and guidelines.**

# HOW?

### ACTION **TOOLKIT**

Co-designed methodologies and socio-technical tools simplifying the everyday life of CS projects and supporting their sustainability.

### ACTION **ACCELERATOR**

A set of services, tailored to the needs of each CS project, including:training, mentoring, infrastructure to host projects and their data; promotion and networking.

### ACTION **MASTERCLASSES**

Tailored events for local, national and EU policy makers and civil servants interested in maximizing the potentialities of CS in their territories.

### ACTION **OPEN CALL**

Funds and support for 10 new and ongoing citizen science projects related to any form of pollution in Europe and worldwide.

# WHY POLLUTION?

Pollutants in their various forms are an increasing problem. Single pollutants such as air or light can have additive negative effects for humans and the environment. For example, every year 4,2 million people die as a result of exposure to air pollution. No single lab, government or initiative can solve this on their own. This makes pollution an ideal medium to co-design, experiment with, and evaluate novel methodologies and resources to open CS processes further and to help CS have greater impact.

# ACTION citizen science projects

- **Street Spectra** an App for measuring light pollution generated by the public lighting systems
- **Street color** supporting teachers and students in building and using their own measuring device for mapping street light pollution
- **Tatort Street Light** measure the death of insects at street lights and find solutions against it
- **Loss of the Night** an App to measure how artificial light is impacting the visibility of stars
- **Students, air pollution and DIY sensing** supporting students in designing and carrying out their own air quality projects
- **Citizen scientists, dragonflies and pesticides** counting dragonflies and investigate if pesticides play a role in their decline

# OPENNESS | DIVERSITY | INNOVATION | SUSTAINABILITY

## PROJECT A GLANCE

**Title:** ACTION - Participatory science toolkit against pollution
**Instrument:** Research and Innovation Action (RIA)
**Call:** H2020-SwafS-2018-1 Exploring and supporting citizen science
**Starting date:** 1st February 2019
**Duration:** 3 years
**Total EU contribution:** 1,994,911.25 Euros
**Project coordinator:** University of Southampton - Professor Elena Simperl
**Project website:** www.actionproject.eu
**Keywords:** Citizens Science, pollution, cascading call

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement number 824603.

@action4cs #action4cs