Webinar on Citizen Science for Environmental Monitoring in the UK

July 21st 2020

REGISTRATION PACK

- **About Mapping for Change**
- **The D-NOSES project**
- **OdourCollect app**
- **Community Maps**

About Mapping for Change

Mapping for Change (MfC) is an award-winning social enterprise part-owned by (University College London). It was borne out of ongoing research since 1998 centred on citizen science, participatory mapping and geographic information systems. MfC continues to specialises in community engagement, aiming to empower individuals and communities to make a difference to their local area through the use of mapping and geographical information.

With over 12 years' experience providing bespoke solutions to public, private and third sector organisations, we have delivered more than 50 projects, both in the UK and internationally, aiming to: collate public perception, interpret and present results, trace impact, disseminate engagement activities, track changes over time, identify key areas for planning, etc.

What we do

- Community engagement
- Extreme citizen science
- Bespoke online interactive map development (Community Maps)
- Mobile data collection tool development (Sapelli)
- Geospatial analysis
- Participatory mapping
- Capacity building

LOUISE FRANCIS
Co-founder & Managing Director

A background in environmental sciences and over 15 years' experience of working with authorities, communities and NGOs in the UK, Europe, Africa and Eastern Caribbean.

HANNAH STOCKWELL
Community Development Executive

Over 15 years' experience in environmental sciences and conservation, both in an academic and professional capacity.

MARÍA ALONSO
Business Development Executive

Environmental scientist with experience in international projects ranging from sustainable mobility to Agenda 21.

PERRINE MACHUEL
GIS Data Analyst

Experienced in working with disadvantaged communities and using GIS to communicate complex data.

D-NOSES

mapping for change

The D-NOSES project

D-NOSES is an EU H2020 funded project which seeks to tackle the largely neglected issue of odour pollution.

D-NOSES will work with regulators, policy makers, odour emitting industries and researchers to share our findings; make recommendations for best practice and design odour pollution control measures at local, national and global levels.

The overall aim of D-NOSES is to introduce odour pollution in the policy agendas at a global scale in the medium to long term (5-8 years), based on a bottom-up approach and a multi-level governance model sustained by an improved knowledge base.

The D-NOSES consortium has mobilised key experts in RRI, citizen science and co-creation, international associations, odour and sustainability experts - including universities and SMEs, local administrations in Portugal and Bulgaria and public bodies.

Aims and approach

- Raise awareness in odour issues at global, national and local levels
- Provide information about odours through The Odour Observatory
- Collect evidence via 10 case studies in Portugal, Spain, UK, Germany, Italy, Bulgaria, Greece, Chile and Uganda.
- Standardise methodologies and provide scientific guidelines for policy making
- Produce the Green Paper and the Strategic Roadmap for Governance in odour pollution


D-NOSES

mapping for change
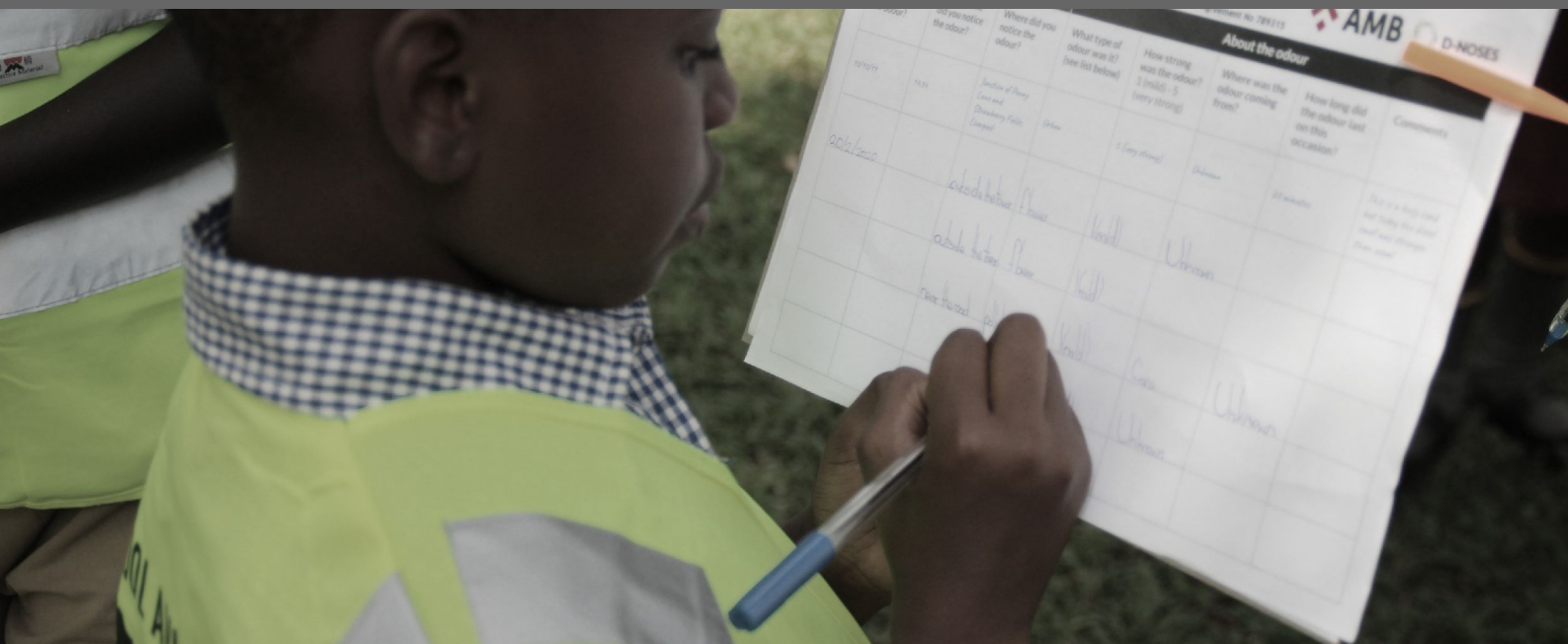
OdourCollect

A web application to collect real-time odour observations from citizens throughout their daily lives and co-create maps of issues in their local area.

Identifying odours and their sources can be a difficult task, given the many variations of odours that can be emitted from any one source. This is why normally odour studies are conducted by trained experts. OdourCollect however, simply asks users to rate odours on their hedonic tone (pleasant / unpleasant), and their intensity. This apparent simplicity hides the complexity of the validation and back tracing process in the background. The odour reports are fed into sophisticated dispersion models that include geographical and weather data to trace the odour path to their probable source. Odour experts can then investigate the activities at the source and suggest ways to resolve the problem.

To use OdourCollect download (GooglePlay - Android, AppStore - iphone) or access the web; register with an email, a username and password (check emails to verify the account).
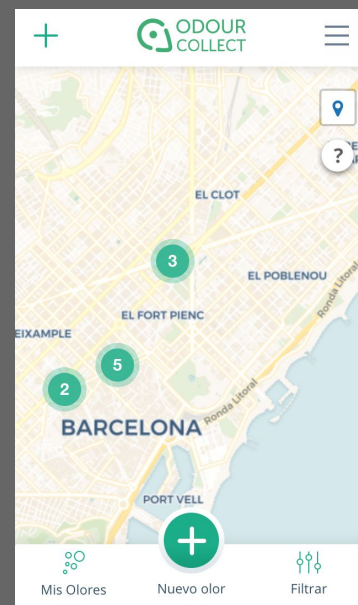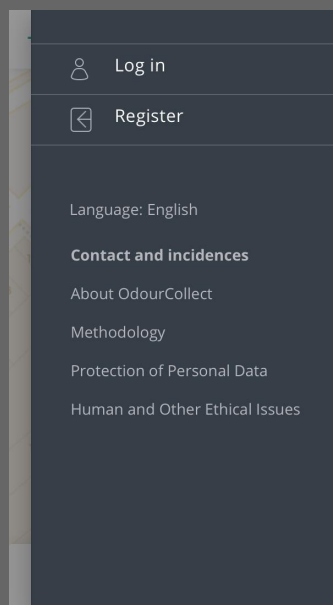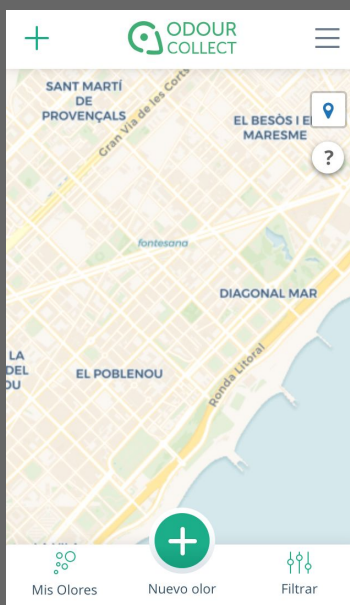
To record odours:

1. open the app

2. add a new odour (your phone should record your location)

3. choose the type of the odour perceived

4. give a score of how strong the odour is (intensity)

5. give a score of how pleasant or unpleasant the odour is

6. add how long you have noticed the odour - for this particular episode you can also add any comments.

Community Maps

A responsive mobile-friendly web application to:

- Visualise and share complex information
- Elicit local knowledge
- Allow transparent consultation and communication
- Inspire collective action
- Gather public perceptions

Key features

- **Intuitive design** - used by various communities (including older people and children), organisations and municipalities in multiple countries.
- **Clean base tiles** - to concentrate on users' contributions with fewer distractions.
- **Visualisation** based on minimalistic icons and colours to organise and display information.
- **Multi-language** support - English, French, Italian, Spanish, Polish, Catalan, German, Bulgarian, Greek, Portuguese and Maltese.
- Ability to **add data as points, lines or shapes** in three easy steps.
- Ability to **add a range of media** files - images, video, audio files and pdfs.
- Intuitive interface to **navigate** and **search** data.
- An adaptive **URL to reflect the current map view**, enabling the sharing and highlighting of specific information or location.
- **Variable permission settings** for categories, e.g. some contributions may be set to need moderation whereas other categories may not allow contributions at all.
- Ability to **comment on others' contributions** in order to open dialogue amongst the community.

D-NOSES   mapping for change