



Odour Collect Data Management Plan



DESCRIPTION

Odour Collect is a tool based on EN 13725:2003 standard using “standard human noses” that empowers citizens, who are suffering from odour nuisance, to report the incidence to the world, to check the frequency of the episode, and to check the level of nuisance alert in order to ask for action to the relevant stakeholders.

Odour Collect is developed as part of the winners application of the 3rd MNYGEOSS Call under contract between the European Commission – Joint Research Centre, Digital Earth and Reference Data Unit digitalearthlab.jrc.ec.europa.eu and Fermín Serrano Sanz representing the Ibercivis Foundation ibercivis.es

DATA COLLECTION

Odour Collect allows user registration with compulsory fields: user name, user e-mail, password, age, gender. However, the App is accessible by any user, independently of being or not registered, and the map can be filtered by period of time or odour types. During registration and authentication process, the system ensures informed consent of users to reuse of data collected. Data is collected using web and Android App forms.

The system allows authenticated users to make comments on reports as well as to report odour episodes, referred to as “report” which includes the following fields: Author (Time mark (system), Place (system), Type of odour (to be chosen from a list + open field (e.g. garbage, sewage, chemical, other to be described, I don’t know), intensity from 1 to 6, level of annoyance from -4 to 0 and to 4, weather conditions, origin, episode duration (< 1min, 1-5 min, > 10 min) and comments.

When surpassing a minimum pre-defined frequency threshold of an odour in a defined area, the option “call for action” is available. Call for action is internally stored and publicly available, and further developments will allow the communication to relevant stakeholders for odour problem solving.

DATA ACCESS AND POLICIES

All the data is open data released under EUPL license, provided under conditions of full and open access. The data discoverable, accessible, usable, documented and is available for free in odourcollect.socientize.eu/webService/getopendata.php.

DATA PRESERVATION AND CURATION

Storage is ensured for a period of 5 years within Ibercivis storage facilities in the data center of bifi.unizar.es in Zaragoza C/Mariano Esquillor s/n Edificio I+D. These facilities are under access and security management procedures of sicuz.unizar.es and RedIRIS.



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ASSOCIATED SOFTWARE

Software used in the project is released under GPLv3 (GNU General Public License versión 3) in <https://github.com/Ibercivis/OdourCollect>.

Components such as app source code taken are also under open licenses like osmdroid project releasing under Apache License.

ETHICS AND LEGAL COMPLIANCE

This crowd-sourcing methodology is based in the German standard VDI 3940 - Measurement of odour impact by field inspection, soon to become CEN 16841 European Standard.