

NORMAN Database System "where are we?"

Jaroslav Slobodnik, Peter von der Ohe, Valeria Dulio

NORMAN General Assembly 1 December 2020



NDS – OPEN ACCESS

https://www.norman-network.com/nds/

Dulio et al., 2020, https://doi.org/10.1186/s12302-020-00375-w



NORMAN Database System

NORMAN organises the development and maintenance of various web-based databases for the collection & evaluation of data / information on emerging substances in the environment



SEARCH All Databases

Searching for individual substance or group(s) of substances in all databases

Note: Click on a link below to go to an individual database home page



Substance Database

A merged list of NORMAN substances; Central Database to access various lists of substances for suspect screening and prioritisation



Suspect List Exchange

Central Database to access various lists of substances for suspect screening and prioritisation



Digital Sample Freezing

A database of mass chromatograms obtained by LC-HR-MS for retrospective screening of environmental samples



Substance Factsheets

A summary information on individual substances from all NORMAN Database System modules



Chemical Occurrence Data

A database of geo-referenced monitoring data on emerging substances



Antibiotic Resistance Bacteria/Genes

A database of ARBs/ARGs in environmental matrices



Indoor Environment

A database of data in indoor environment matrices





Ecotoxicology

+ SARS-COV-2 in

A platform for systematic collection and evaluation of ecotoxicity studies for harmonised derivation of environmental quality standards



MassBank Europe

A database of mass spectra of emerging substances to support identification of unknown substances



Passive Sampling

A database of data obtained with passive samplers



Prioritisation

Results of prioritisation of NORMAN substances using the NORMAN Prioritisation Framework



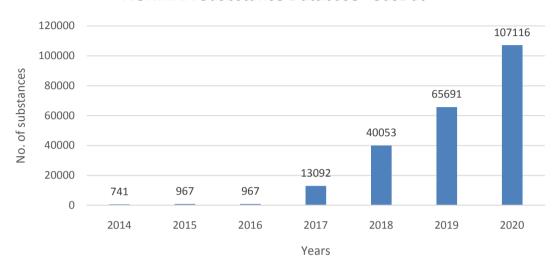
Bioassays Monitoring Data

A database of data obtained by analysis of environmental samples with bioassayss

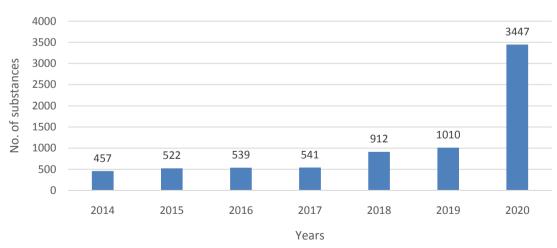
How many substances are we dealing with?

Total no. of data: 10,799,995 as of 29/11/20

NORMAN Susbstance Database - SusDat



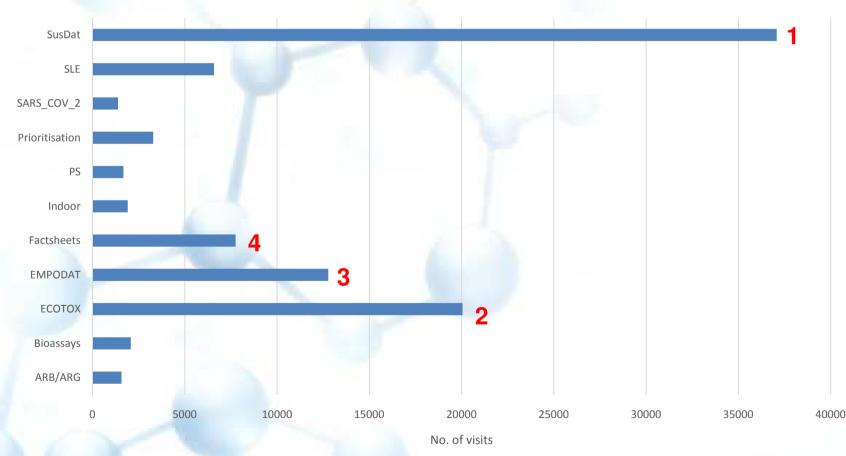
NORMAN EMPODAT





So what do the people are looking for?







What can you see in the NDS?

- All data in EMPODAT
 - Except those protected before publishing the results/lifting ban from national environmental agencies (JDS4, Antarctica, Ireland...)
- DSFP
 - Only those who contribute with at least ONE raw high resolution mass chromatogram can enter
- Ecotoxicology Database
 - Experts nominated by NORMAN members can edit/vote