

NORMAN Association

Network of reference laboratories, research centres and related organisations for monitoring of emerging environmental substances

NORMAN DATABASES

www.norman-network.net (Databases)

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JRC – NORMAN Workshop on River Basin Specific Pollutants Selection and Monitoring, Stresa, 10 – 11 June 2010



EMPOMAP: Database of European leading experts, organisations and projects

June 2010

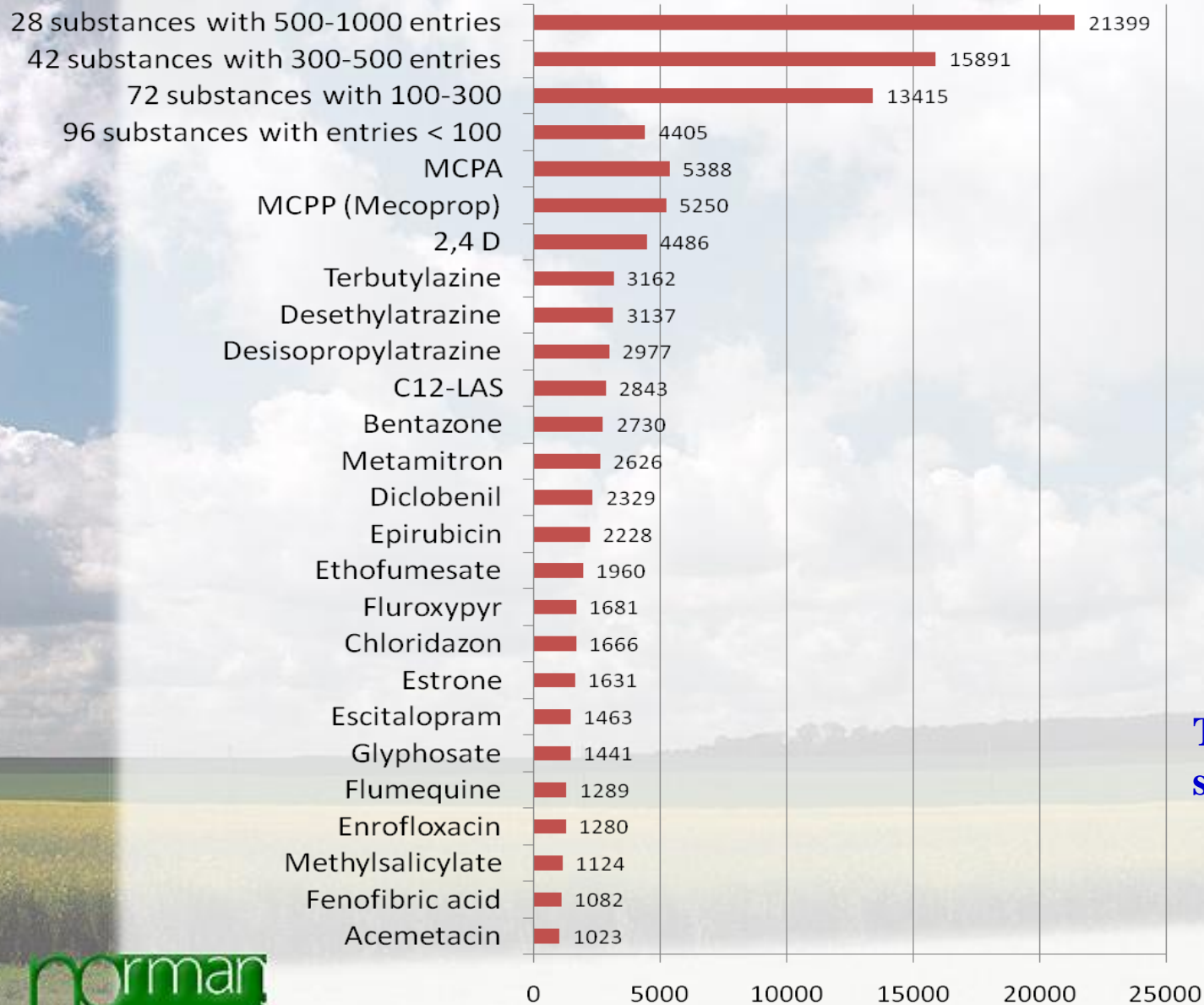
Number of registered users	418 (more than 200 different organisations)
Registered experts	68 (+40 in draft)
Organizations	29 (+250 in draft)
Projects	109 (+16 in draft)

EMPODAT: Database of occurrence/monitoring data on emerging substances

- NORMAN substances (WG on Prioritisation)
 - **391** (2008) → **835** (2010)
- Three modules:
 - **Chemical data** including sub-module on **nanoparticles**
 - **Bioassays - monitoring data**
 - **Bioassays - ecotoxicity studies**
- **Data entry**
 - Excel **Data Collection Templates** – **downloadable**
 - Metadata from the **Common template for data collection** (WFD PS, DG ENV)
 - Matrices: **water, sediment, SPM, biota, air**

Data entries per substance

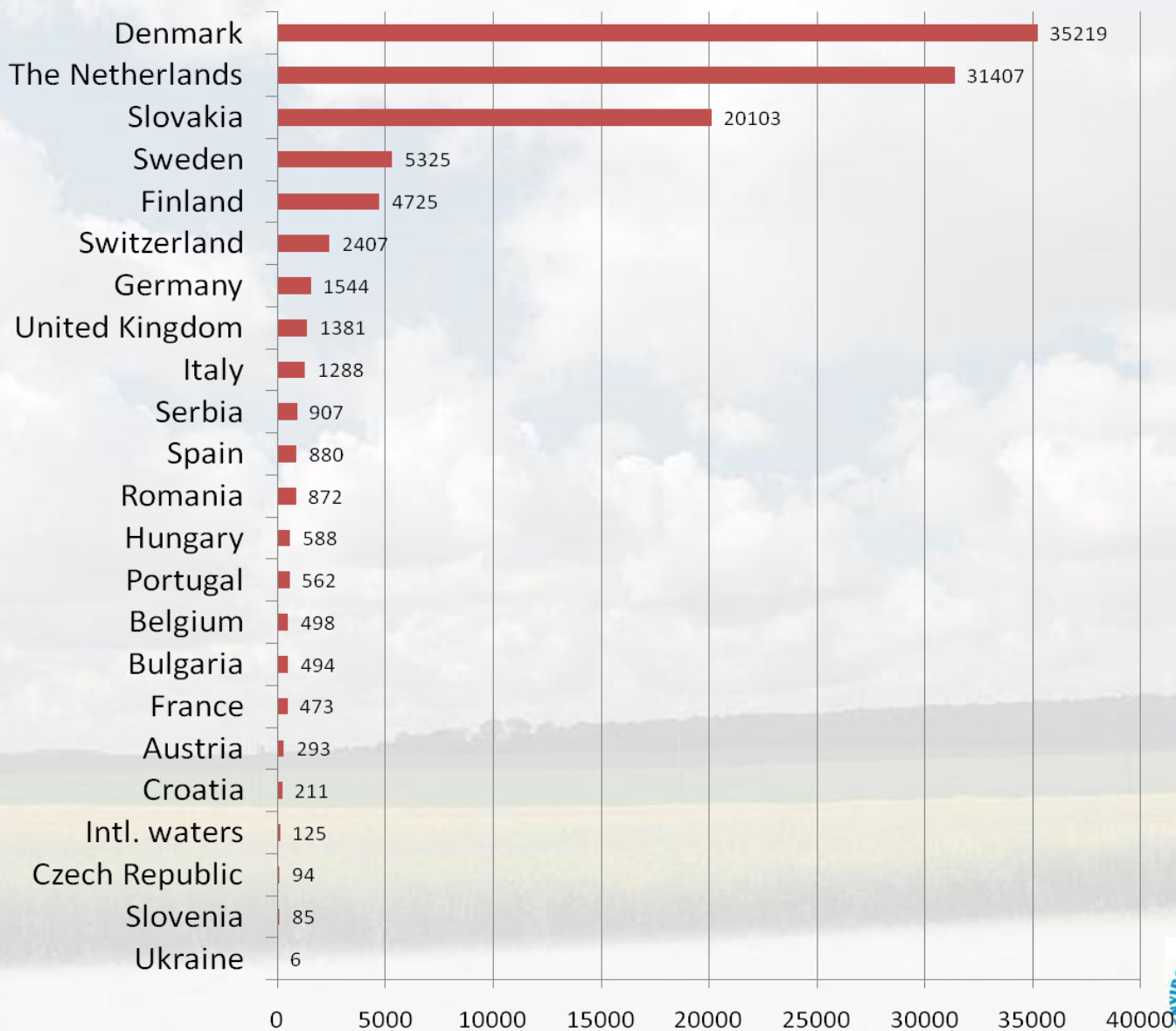
EMPODAT



Total number of substances: 260

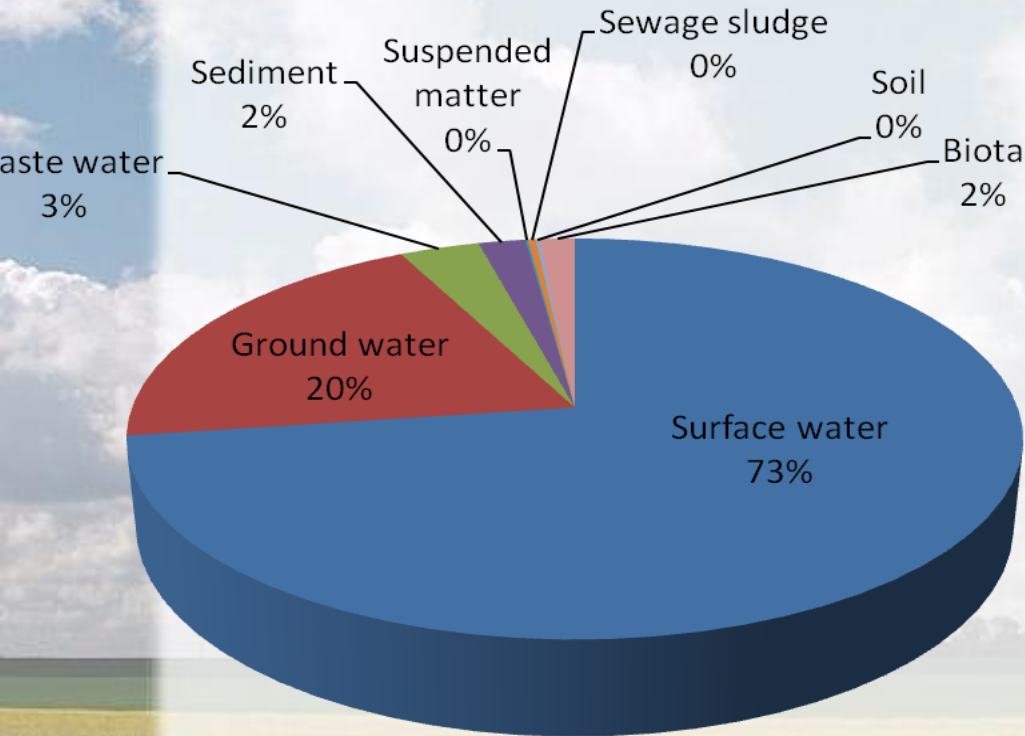
EMPODAT

Number of data entries per country

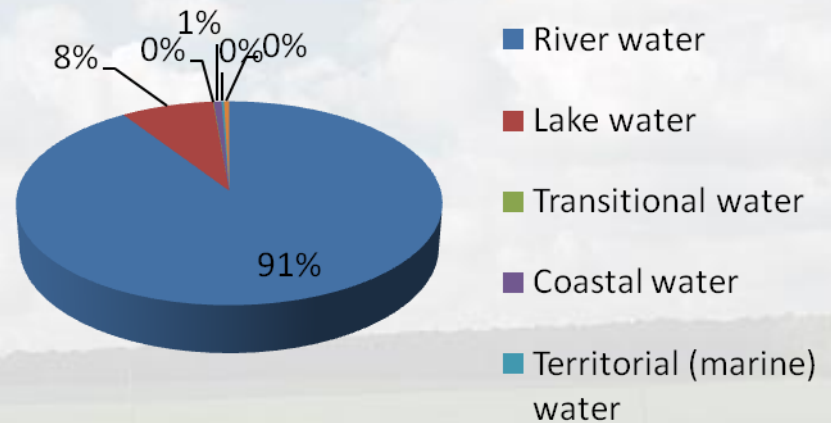


EMPODAT

Distribution of data by ecosystem/matrix



Distribution of surface water data



EMPODAT – Data scoring

NEW!!!

Norman - Windows Internet Explorer

http://www.ei.sk/norman/empodat/search.php

Norton Phishing Protection on Identity Safe Log-ins

QA/QC information about chemical data

Limit of Detection (LoD): <

Limit of Quantification (LoQ): <

Analytical method/Detection: HPLC-MS or MS/MS GC-MS or MS/MS HPLC-UV

Analytical method/Detection: (other): GC-AED (atomic emission detection)

Show only data in the following category (Instructions):

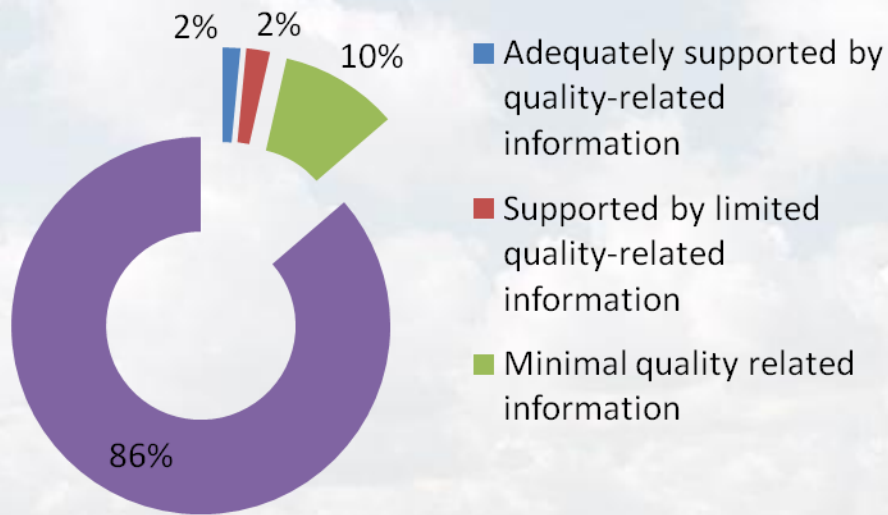
Search Reset

- Adequately supported by quality-related information
- Supported by limited quality-related information
- Minimal quality-related information
- Not supported by quality-related information

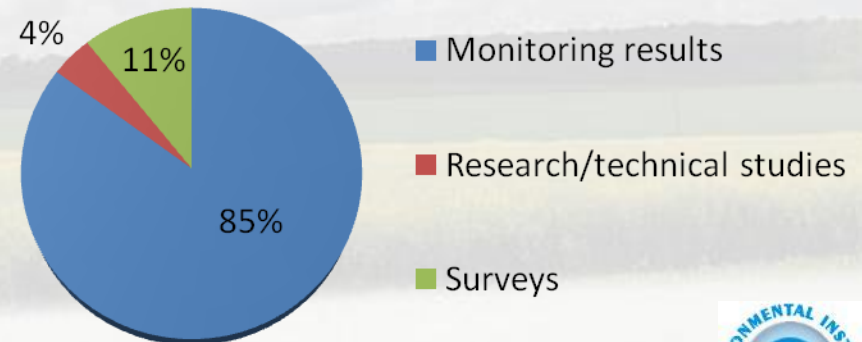
Done Internet | Protected Mode: On 200%

EMPODAT

QA/QC category of data



Origin of data



EMPOMASS: Mass spectral database of unknown and provisionally identified substances

- Collection of “fingerprints” of unknown substances
- Semi-quantitative estimation of concentrations
- **Two modules**
 - GC-MS
 - LC-MS-MS
 - including option of **accurate mass measurement**
 - NORMAN’s WG on Effect Directed Analysis
- Data entry
 - **Data Collection Templates** for bulk data upload - **downloadable**
 - Each data entry accompanied with **searchable mass spectrum (AMDIS) and raw mass chromatogram**

Other considerations

- Inclusion of **all river basin specific substances** and **Annex III (EQS Directive) compounds??**
- Agreement with DG ENV and DG RESEARCH to make an upload of all data on emerging substances generated within future EU-funded (e.g., FP) projects mandatory
- Harmonise efforts with:
 - Reporting/upgrade of DWD
 - REACH
 - EEA - WISE

NORMAN Data Exchange Workshop

December 2010, Berlin

Harmonisation of data formats across EU

Towards automated data exchange protocols

*Design of user-friendly interface(s) allowing for bringing
NORMAN data to the end-users and public*

Interested??? slobodnik@ei.sk