# 2013 Freshwater Eionet Workshop - 19/20 September 2013, Copenhagen

## Session 3: WISE reporting process

## Document 3a: Data Dictionary and resource pages, use CDR and future developments - consequences of developments towards decentralised and future WISE developments by Miroslav Fanta, ETC/ICM

### Background

**Data Dictionaries** are the basic documents describing the structure and content of data which should be reported by countries under given reporting obligation.

Each Data Dictionary contains:

* Detailed description of requested national dataset
* Data model schema
* Link to relevant item in Reporting Obligations Database
* List of tables in which data should be provided, instructions for filling tables
* Structure of tables incl. definition, methodology and format of all fields
* Relations between tables
* Specification of mandatory fields and unique combination of fields in each table
* Code lists relevant to specified fields (lists of allowed values, lists of reported substances etc.)
* Summary of last update
* Templates for data in several formats (e.g. xls, mdb, xml)
* Contact to the database manager, who can serve as support for national reporters

Data Dictionaries for individual reporting categories (e.g. SoE reporting, BWD and many others, out of the incidence of ETC/ICM) are available on the web page dd.eionet.europa.eu. Data Dictionaries are annually updated, but the focus is to keep Data Dictionaries as stable as possible and implement only the changes resulting from the new legislation (e.g. QA/QC directive), from the development of given field of subject (reporting of new substances is requested) or from corrections of imperfections in existing version. Significant changes are discussed with countries in advance. A new release of Data Dictionary is issued for each reporting period.

National data are uploaded by countries into relevant country folder on **Central Data Repository (CDR)**. For many reporting obligations, Reportnet automatic Quality Assurance service is implemented on the CDR. National reporters can execute the QA scripts checking the uploaded datasets and re-upload the corrected data immediately if the errors or inconsistencies are detected by this process. Unfortunately, some national reporters who do not correct the errors detected by QA scripts in their datasets or do not execute the QA scripts at all.

Regarding the consequences of developments towards **decentralised reporting and data management** (i.e. data will be not uploaded by countries on the CDR, but provided to other users on their national data- or map- servers), the functionality of several steps in the entire reporting process will be changed:

* The significance and the role of Data Dictionaries should remain as it is
* Structure and content of the requested data should be directed towards the INSPIRE - compliant datasets, if reasonable and if the content of the respective reporting category is identical or close to the data described in INSPIRE Annex I.-III.
* The Reportnet automatic Quality Assurance service could be transformed to the application for checking of the data on the country level before the data will be provided on the server for further usage
* Roles of central data managers could be partly redirected to the support to national reporters in the case of national data checking at the country level
* Regarding the current experience, checking and approval of national data which will be provided in the future by countries at country servers.

### Related documents and links

* Reporting Obligation Database: [rod.eionet.europa.eu](http://rod.eionet.europa.eu)
* Data Dictionaries: [dd.eionet.europa.eu](http://dd.eionet.europa.eu)
* Central Data Repository: [cdr.eionet.europa.eu](http://cdr.eionet.europa.eu)

### Issues to be discussed

* Acceptable changes in Data Dictionaries resulting from changes of the data structure and content towards INSPIRE-compliant datasets.
* Checking the quality of the reported data - Reportnet automatic QA service on CDR is not used by some of countries or detected errors are not corrected

### Questions to NRCs

1. Can you assure at country level proper checking and approval of the quality of your data according to the defined rules and using the QA tools provided by EEA?
2. Do you have problems with the annual updating of DDs?