



Update on pilot on data quality

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Evidence Management

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BACKGROUND

- Pilot framework partnership grant agreement on data quality (50% co-funding from EFSA)
- **Participating countries:** Cyprus, Germany, France, Denmark, Slovak Republic
- **Start date:** April 2017
- **Data domains:** contaminants, veterinary medicinal product residues, pesticide residues and zoonoses monitoring data
- **Previous presentations:** 59th, 60th and 61st Advisory Forum meetings (2016)

OBJECTIVES

1. Improve data collection co-ordination at national level
2. Monitor and improve data quality
 - Define and measure data quality objectives (for incoming data to EFSA)
 - Implement agreed technical enhancements to national reporting systems

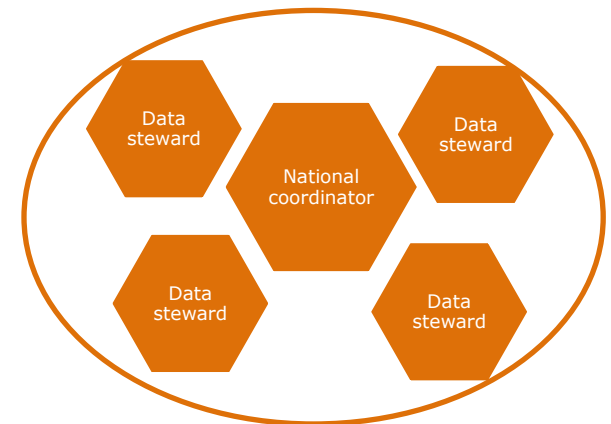
1. IMPROVE DATA COLLECTION CO-ORDINATION

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✓ Established/delivered to date:

- A **national co-ordinator** role at country level – acting as an interface with national data providers and with EFSA
- Domain specific **data stewards** (data providers) with hands on knowledge of their data domain
- **Standard operating procedures** (SOPs) developed at national level describing roles and responsibilities when dealing with EFSA requests and data management activities



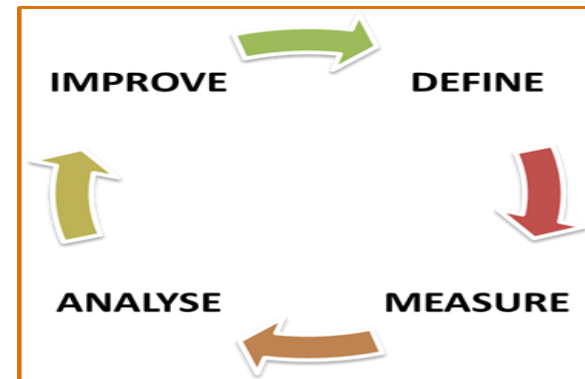
2. MONITOR AND IMPROVE DATA QUALITY

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- Data **quality objectives** and **performance indicators** were defined covering up to six quality dimensions:

- Timeliness
- Accuracy
- Validity
- Uniqueness
- Consistency
- Completeness



- Annual monitoring and continuous improvement of the quality of incoming monitoring data to EFSA

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Example of quality indicators from contaminants data domain

Data quality objective	Data quality performance indicator	Data quality dimension
Timely transmission of data	Proportion of data records in "SUBMITTED" status by data collection deadline	Timeliness
No duplicate records submitted	Proportion of data records not duplicated	Uniqueness
Correct identification (coding) of the food/feed matrix analysed	Proportion of records containing consistent information in SSD data fields identifying the food/feed matrix analysed	Accuracy
Correct identification (coding) the chemical substance analysed	Proportion of records containing consistent information in SSD data fields identifying the chemical substance.	Accuracy

Overall score is calculated by dimension using full dataset or a random sample

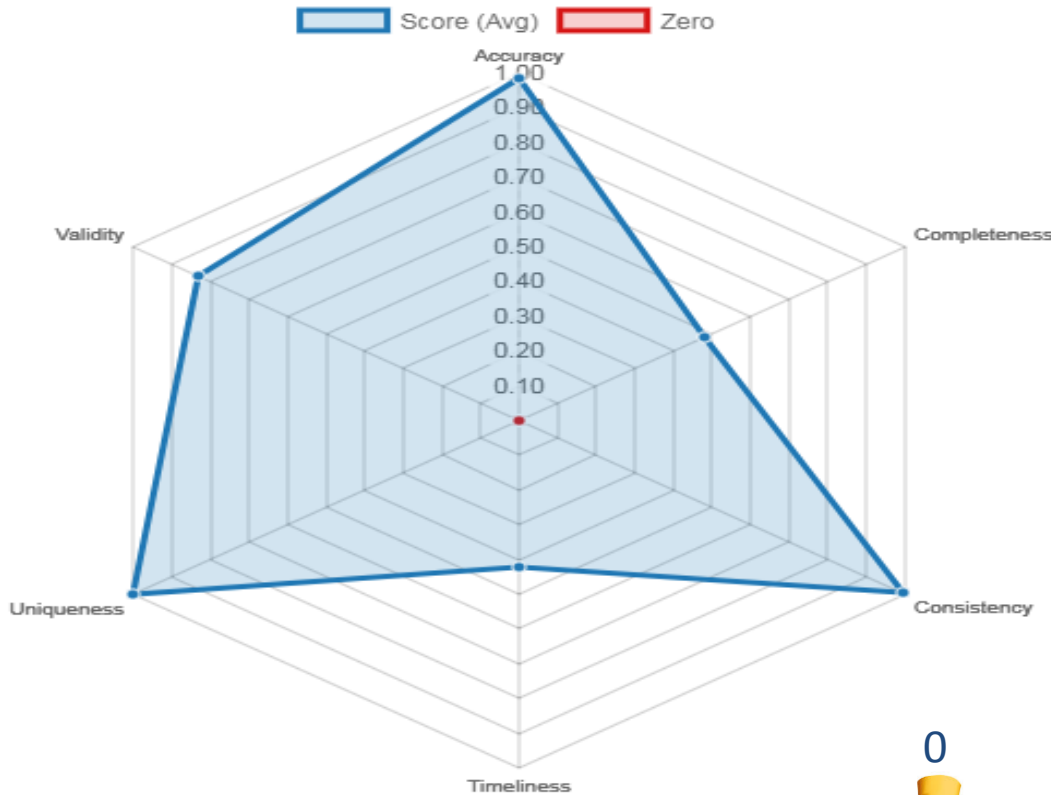
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Data quality evaluation dashboards: example contaminants (2016 data collection)

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DQ Dimensions Radar



Scale from 0 to 1 for each quality dimension:



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- Member States agreed and implemented a number of technical enhancements to national reporting systems (*system enhancements*)
- The goal is to improve automation (and quality) of data transmitted to EFSA

NEXT STEPS

- Four draft final reports have been submitted to EFSA and reviewed
- Final report from 5th country expected by end September
- Upon completion, the project will undergo an in-depth evaluation by EFSA



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Acknowledgement:
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Evidence Management unit

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