# Data quality management system

## Definition

A data quality management system is a management system with regards to data quality.

### Abbreviation

DQMS

### Note

Objectives of a DQMS are 1) meeting the data quality requirements and 2) data user satisfaction.

### Relation

A DQMS consists of 25 elements. See also the diagram (metromodel) below.

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|---|---|---|
| Data quality management system | is child of | data management system |
| Data quality management system | is sister of | data value management system |
| Data quality management system | is sister of | data security management system |
| Data quality management system | consists of element | awareness of data quality |
| Data quality management system | consists of element | competence of staff |
| Data quality management system | consists of element | context analysis |
| Data quality management system | consists of element | continuous improvement |
| Data quality management system | consists of element | critical data element |
| Data quality management system | consists of element | data architecture |
| Data quality management system | consists of element | data cleansing |
| Data quality management system | consists of element | data lineage |
| Data quality management system | consists of element | data process |
| Data quality management system | consists of element | data quality analysis |
| Data quality management system | consists of element | data quality communication |
| Data quality management system | consists of element | data issue |
| Data quality management system | consists of element | data quality monitoring |
| Data quality management system | consists of element | data quality objective |
| Data quality management system | consists of element | data quality policy |
| Data quality management system | consists of element | data quality requirement |
| Data quality management system | consists of element | data quality risk analysis |
| Data quality management system | consists of element | data quality rule |
| Data quality management system | consists of element | data supplier |
| Data quality management system | consists of element | data user satisfaction |
| Data quality management system | consists of element | documened information |

| | | |
|---|---|---|
| Data quality management system | consists of element | internal audit |
| Data quality management system | consists of element | leadership |
| Data quality management system | consists of element | management review |
| Data quality management system | consists of element | metadata |
| Data quality management system | consists of element | roles and responsibilities |
| Data quality management system | consists of element | stakeholder analysis |

### Lifecycle

- Plan DQMS
- Create DQMS
- Develop DQMS
- Establish DQMS
- Implement DQMS
- Apply DQMS
- Maintain DQMS
- Audit DQMS
- Certify DQMS
- Improve DQMS
- Abolish DQMS

### Characteristics

- Effectiveness of a DQMS
- Efficiency of a DQMS

### Implementation

The OGSM-model can be used to implement DQSM. Through this model, objectives, goals and strategies can be turned into actions.

### Reference

Website DAMA-NL. Data Quality Management System (DQMS).

All, DQMS

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