DLQ data portal
A communication tool for an efficient data transfer

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- 3.5 million cows in over 58,000 herds are milk performance tested
- 6 calculation centres process the data from the milk control (e.g. every milking in AMS is used for calculating total milk yield per lactation)
- Extensive cattle trade between regions

Data exchange between centers must work effectively
Electronic devices on farms

- Dairy herd sizes grow rapidly
- Always new electronic devices to support the herd management
  => Several data systems independent of each other

Further data sources on demand:
- AI industry
- Veterinaries
- Feed companies…
Result: flood of data

- Flood of information data for management has to result in conclusive instructions (rapid alert system).

- The farmer is not willing to deal with data interfaces. He/she expects a robust and lucrative system.
How to escape this dilemma?

- Standardisation of data exchange processes between: processing centre/ control organisation
  - agricultural holdings, public authority, science and industry according regional infrastructure
- Possibilities to integrate module in application software
- Consideration of individual IT-infrastructure
- Regarding associates - replacement of labour intensive processes
  (organisation of feedback in case of success or error through standardisation of processes)
Expectations regarding data exchange

- Easy to implement and to adapt
- Automated business, trouble-free
- Data safety (who is authorised to send which data, encoding)
- Daily update of data (real-time)
- International standard that is flexible and able to transfer large amounts of data
- Essential support for herd management leading to customer loyalty
What is DLQ-data portal not?

- No web application (pages that are provided in the browser for research etc.)
- No central data keeping (central data bank)
- No tool for analysis of collected data
- No concept for rapid alert systems
- No compensation for scientific application scenarios
- No tool for management of documents
DLQ-data portal is:

- A shared data communication platform based on international standards
- A cooperation between the DLQ members based on a common framework
DLQ-data portal framework:

- Usage of expert knowledge and resources of all participants of DLQ at build-up and further development of the framework
- Nationwide consistent communication platform with standardised technology based on ISOagriNET and ADIS/ADED
- To achieve the DLG-certificate „ISOagriNET conform“
- Data portal – Client (API / Batch) free of charge
- Usage of Java, independent of platform = future-proof
- Investment protection through internationally standardised cut surface and technology
Scheme DLQ-data portal-framework client

Dairy farmers

Internet

DLQ portal-framework client

ISOagriNET (ADIS)

Operating record

DLQ portal-framework

DHI

Programme

Individual portal software

Data bank

Herd management

Client integration

Data bank

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Thank you for your attention!

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