



DLQ data portal

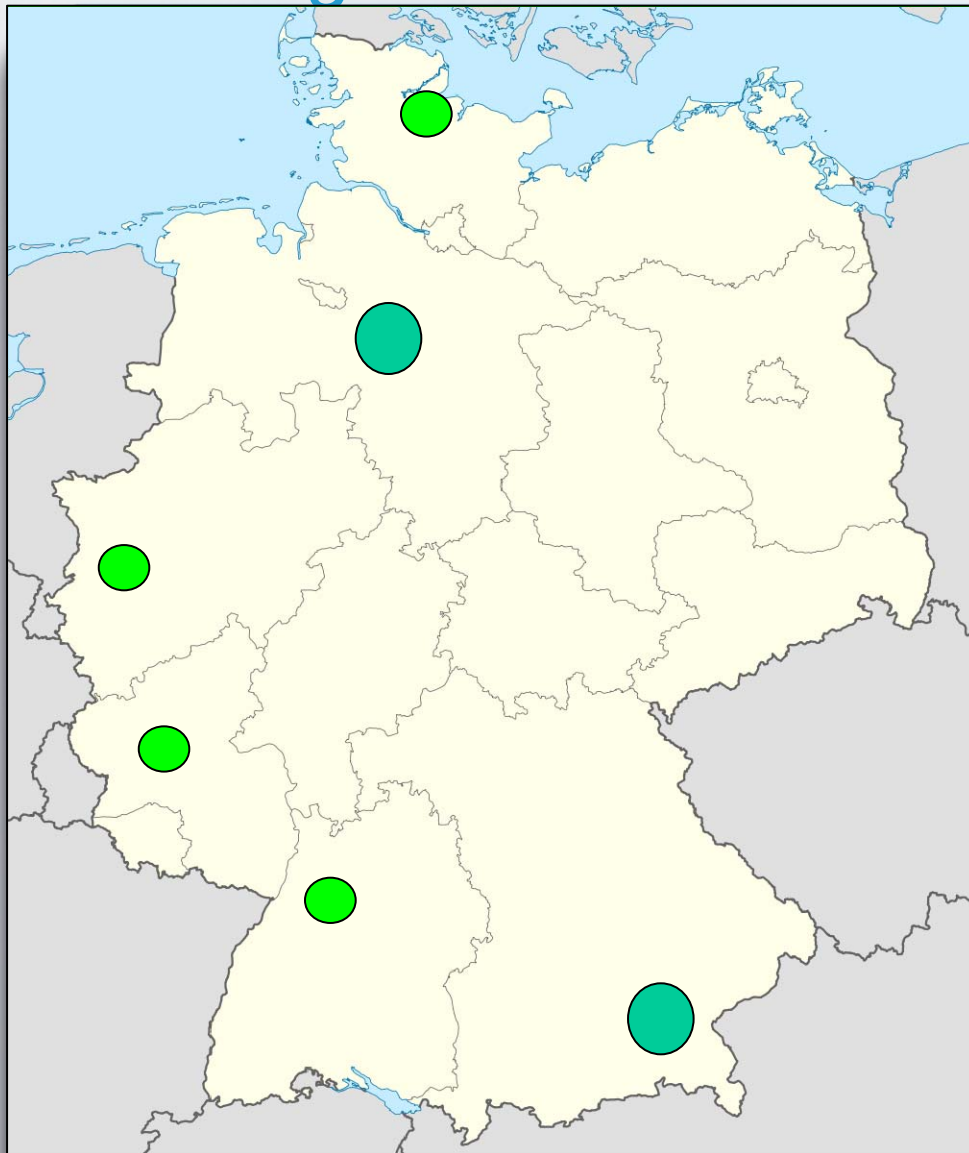
A communication tool for an efficient data transfer

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Germany - data processing of animal recording



- 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:



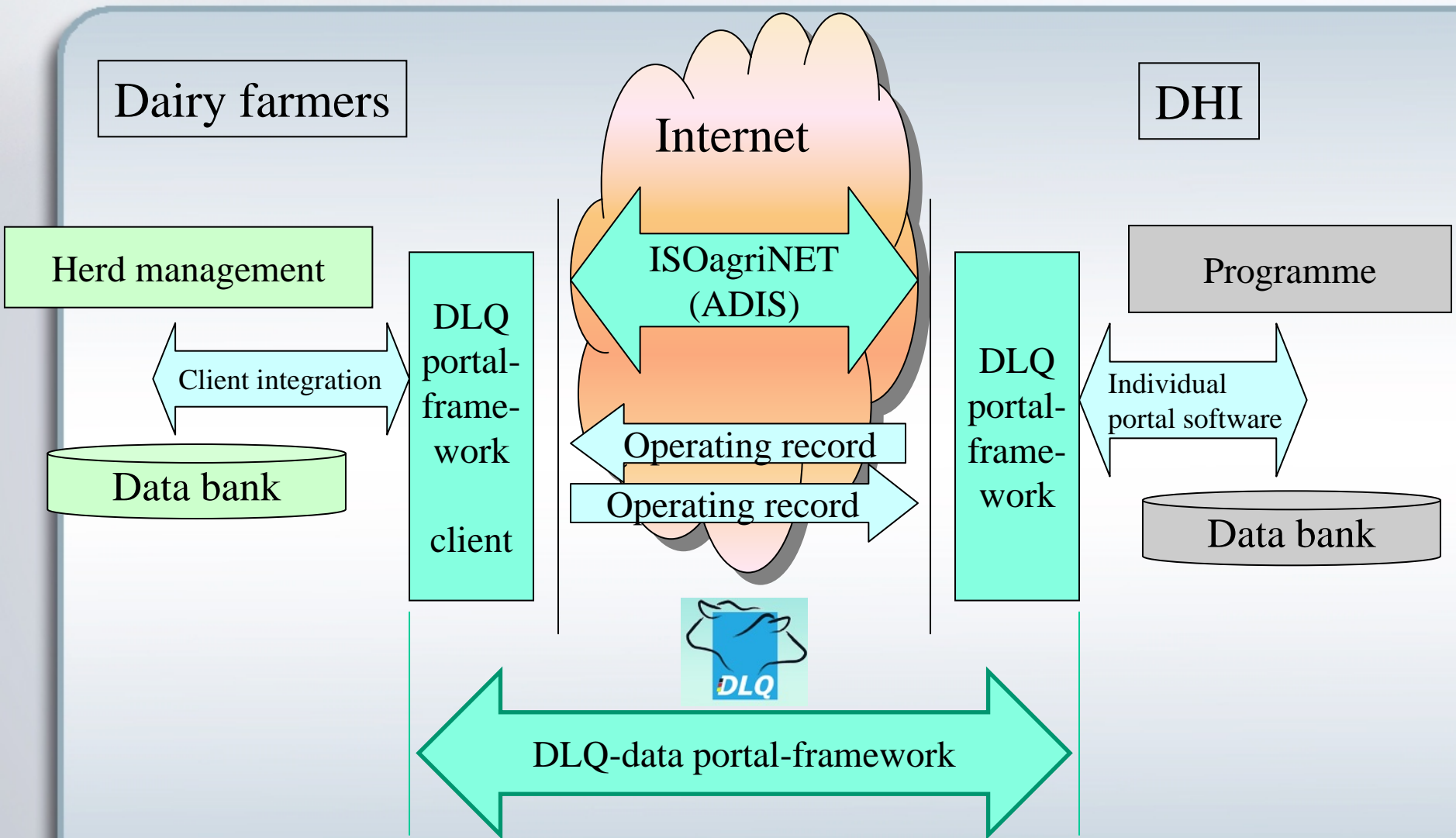
- A shared data communication platform based on international standards
- A cooperation between the DLQ members based on a common framework

DLQ-data portal framework:

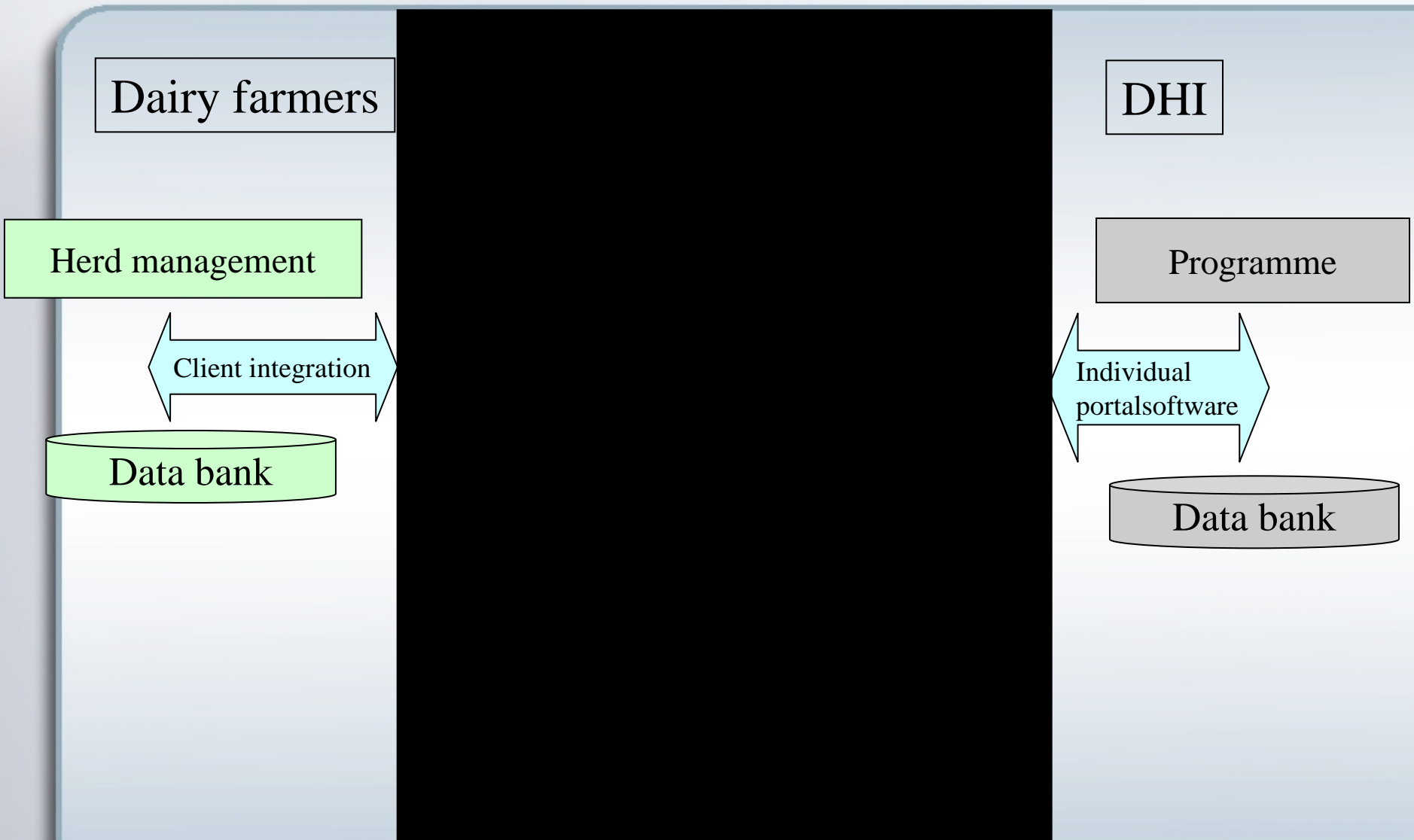


- Usage of expert knowledge and resources of all participants of DLQ at build-up and further development of the framework
- Nationwide consistent communication platform with standardised technology based on ISOagriNET and ADIS/ADED
- To achieve the DLG-certificate „ISOagriNET conform“
- Data portal – 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



Scheme DLQ-data portal-framework client



Thank you for
your attention!

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