ICT in Dairy Production – a complete management tool

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What is the problem?

- Many non-compatible devices available to collect data which can be used for decision support
  (Reichardt and Jurgens 2006)

- Farmers find it time-consuming and costly to operate different types of IT
  (Pedersen et al. 2004)
The vision of the project

- The dairy farmer only have to operate one single pc in order to get access to all automatically collected data about the production

- Increase food traceability and safety

What to do?

- Use Object Oriented Analysis and Design (OOAD)

- Object: a whole with identity, state and behavior

- Class: a group of objects with the same structure, behavioral pattern and attributes
What to do?

Analysis of problem area

Design of components

Model

Analysis of application area

Design of components

Demands of use

Model
What to do?

- Analysis of problem area
- Design of components
- Specification of architecture
- Analysis of application area
- Specification of components
- Design of architecture
- Model
- Demands of use
- Programming manual
Example
– cow with motionsensor

Thank you for the attention