Young stock rearing using automatically recorded data

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Background
- Literature: Proper development and growth during rearing
  - Earlier first calving age
  - Positive effect on milk yield

Goal
- In 2 years from newborn calf to dairy cow
  - with high milk yield and
  - longer productive life

Concept of information system

Data collection and modelling

Results
Internet application for alerts and advices for actions (Standard Operating Procedures)

For individual calves
- Alert 1: Health problem
  - Action: Check calf or in severe case call vet
- Alert 2: Growth rate too low
  - Action: Switch to higher milk feeding amount or lengthen period for milk feeding

Conclusions
- The project has shown that it is feasible:
  - to collect automatically various relevant data at individual animals on a farm
  - to make this data available in real time for detection models using the internet
  - to report the abnormalities also via an internet application (dashboard) to the farmer and
  - to include management advices in the reports in order to solve the identified problems.

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