

# Master Thesis / Bachelor Thesis

## Analysis of EU Data Act Towards Smart Farming Industry

South Westphalia Software Engineering Lab (SW<sup>2</sup>E-Lab)

Fachhochschule 

### Motivation:

In recent years the General Data Protection Regulation (GDPR) of the European Union defined a framework on how to deal with personal data. The next step is just on the way called "Data Act". This will also affect industry, especially all areas working and depending on customer data.

In the area of smart farming the processing of (customer) data is essential for most digital processes and their application.

### Task:

In this thesis the current EU papers on handling data (e. g. Data Act) are in focus. The following questions should be answered:

- How does the Data Act affect the Smart Farming Industry?
  - Organizational
  - In Research and Development methods and tools?
  - Especially towards security of data?
- Which further regulations are on the way and need to be considered?
- Definition of methods to be integrated in R&D to meet the EU requirements

### Requirements:

- Knowledge on R&D Processes, especially Agile Development is beneficial
- Knowledge on Smart Farming approaches is beneficial
- Thesis can be written in German or English

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2023-03-14