

# TASK 1 SMART FARMING

## ESSNET BIG DATA

### – WPL „PREPARING SMART STATISTICS“



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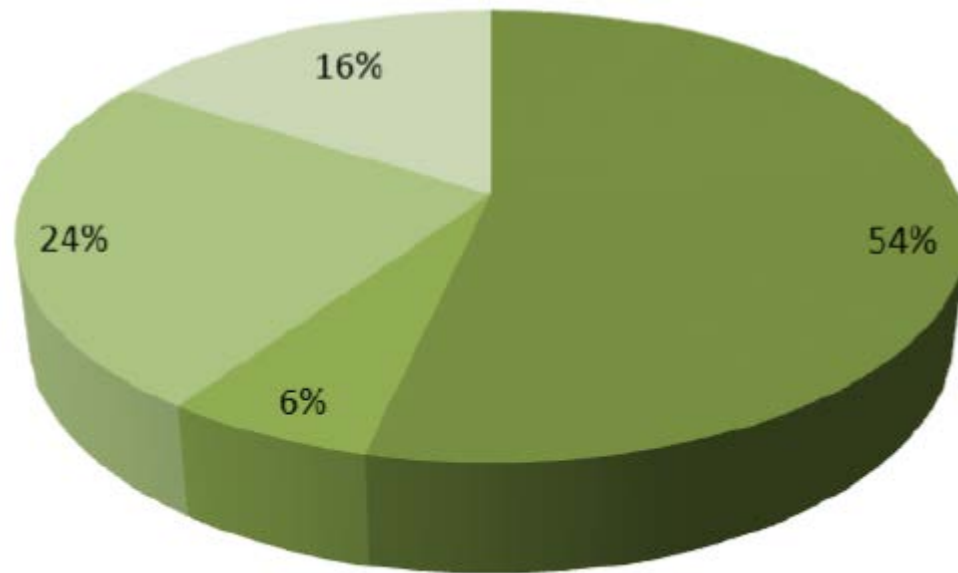
# Current Activities

- Use of Digital Technologies
- Challenges
- Implications for statistic
- Potential Data Suppliers



Photo: Jasmin Arnold, 2018

# Use of Digital Technologies



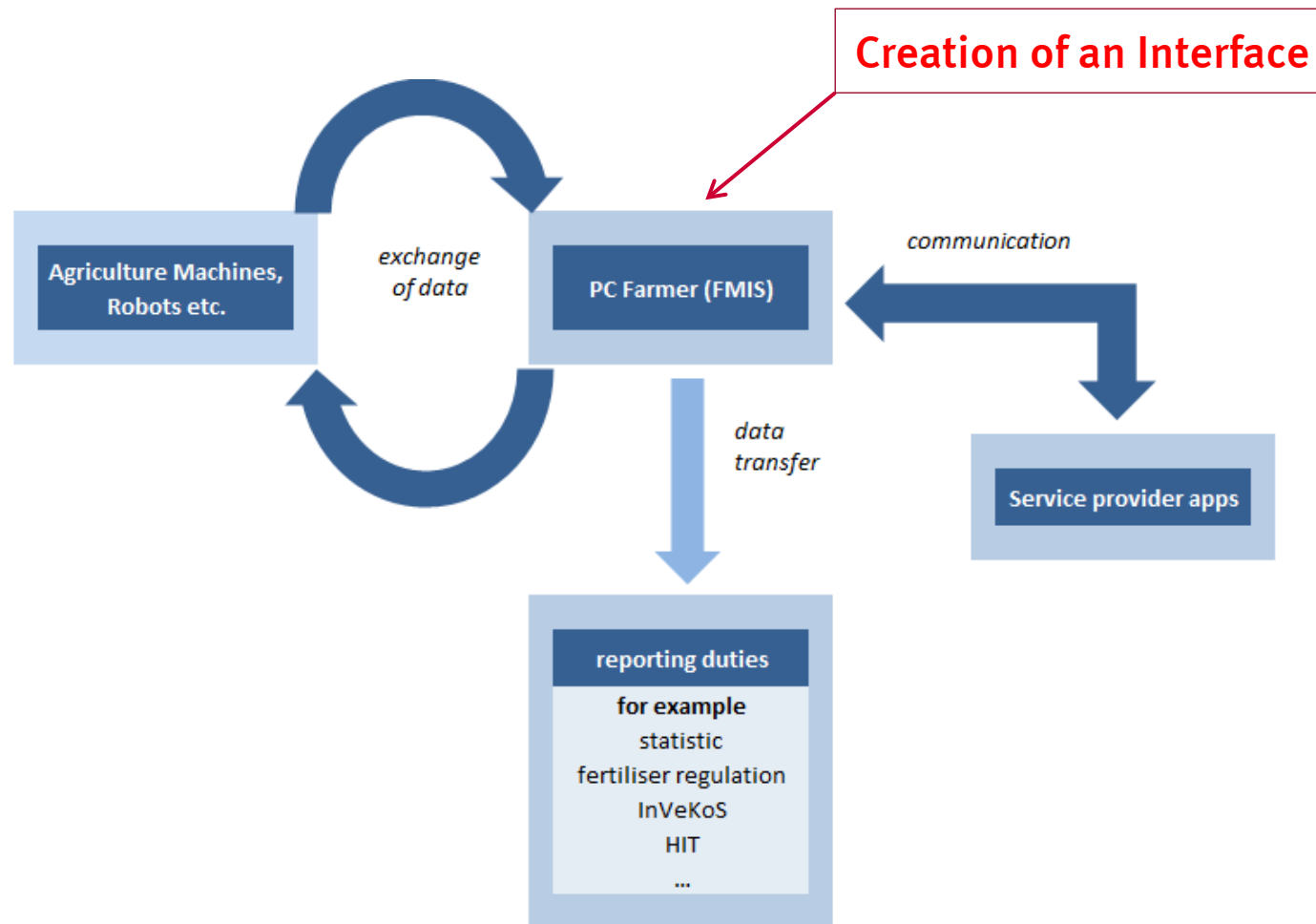
in use    in the test phase    planned    no issue

Cf.: Bitkom Research 2016

# Challenges

- **Development of the Digital Infrastructure**
  - Low network coverage in rural areas
  
- **Standardization of interfaces**
  - compatibility between manufacturers
  - software solution (no more wide variety of stand-alone solutions)
  
- **Data Protection and data sovereignty**
  
- **Media competence of the farmers**

# Implications for statistic



# Potential Data Suppliers

- **Statistics Austria aims at stocktaking to create a catalog of potential data suppliers**
  - Farmers
  - Farmer consortiums
  - Tech companies that produce smart devices
- **Contents of the catalog**
  - Type of data
  - Potential applications
  - Quality and volume of the data
  - What type of cooperation is possible?

## Potential Data Suppliers (II)

- **Advantages of such a catalog**
  - If future projects require a specific data type, the catalog can check availability and link the type to one or more suppliers
  - Information about willingness to cooperate and frequent concerns about cooperation can improve future communication
- **Challenges**
  - Difficult to get a consistent measurement of quality
  - Making the catalog representative requires a clear idea about which technology is available for which farmers