

COULD AGRICULTURE BENEFIT
FROM INSPIRE?

COULD INSPIRE BENEFIT FROM
AGRICULTURE?

Karel Charvat, WirelessInfo

Program



FARM-ORIENTED OPEN DATA IN EUROPE

1. Introduction Karel Charvat
2. Prefarm Stepan Kafka
3. Open Land Use Tomas Mildorf
4. **FOODIE data model Tomas Reznik**
5. Tractor Art Karel Charvat
6. Introduction to FATIMA Karel Charvat
7. Disussion

The objective of the current farm management is to facilitate transformation of arable farming into competitive and dynamic knowledge-based networked organizations,

but

Stable and Profitable

(competitiveness, flexible, harmless,)

What are the farmers potential goods today?



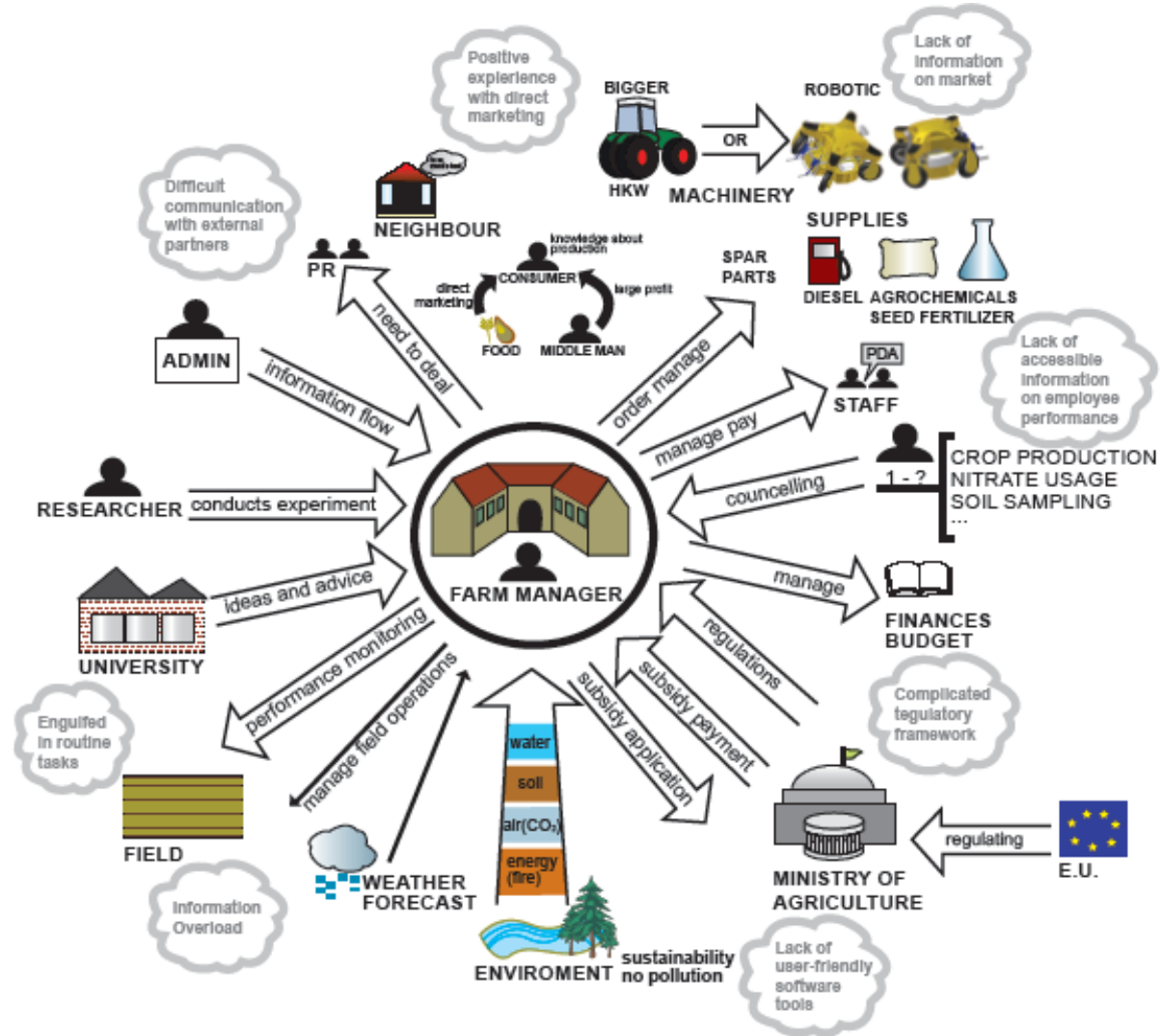
Basic

1. Food – cereals, fruits, vegetables...
2. Energy - (yes or not?)
3. Services – tourisms,

Other

1. Public goods – environment, landscape.
2. Social goods – employment in rural areas
3. **Information – farmers belongs to the biggest data holders about environment**

Poor farmer



Trends

- Food quality and safety
versus Food requirements for growing population
- Growing requirements for food
versus Renewable energy production technologies
- Renewable production energy demand
versus Demand on more environmentally friendly production

Levels of Farm Information



- 1. Macro level, which includes management of external information, for example about market, subsidies system, weather prediction, global market and traceability systems, etc.)**
- 2. Farm level, which include for example economical systems, crop rotation, decision supporting system**
- 3. Field level including precision farming, collection of information about traceability and in the future also robotics.**

Levels of Farm Information

