

"Impact matrix analysis and costbenefit calculations to improve management practices regarding health status in organic dairy farming"





The research leading to these results has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement n° 311824

Starting conditions

- Organic agriculture is a **pioneer** for the **development** of consumer oriented traits of product and process quality
- EU legislation: harmonised minimum standards (1804/1998)
- Animal health and welfare (AHW) increasingly important with respect to the buying decisions for organic products

Aim and scope of the Council Regulation (EC) No. 834/2007 1. This Regulation provides the basis for the sustainable development of organic production ..., guaranteeing fair competition, ensuring consumer confidence and protecting consumer interests.

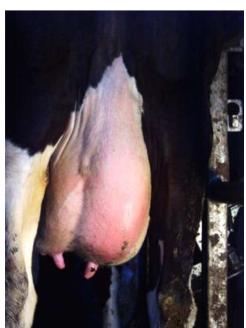


Production diseases in organic dairy production



Assessment of production diseases

- Mastitis
- Lameness
- Metabolic disorders
- Fertility disorders







Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

- Production diseases in organic dairy production
- Diversity of organic livestock systems



IMPRO Consortium

U N I K A S S E L V E R S I T A T



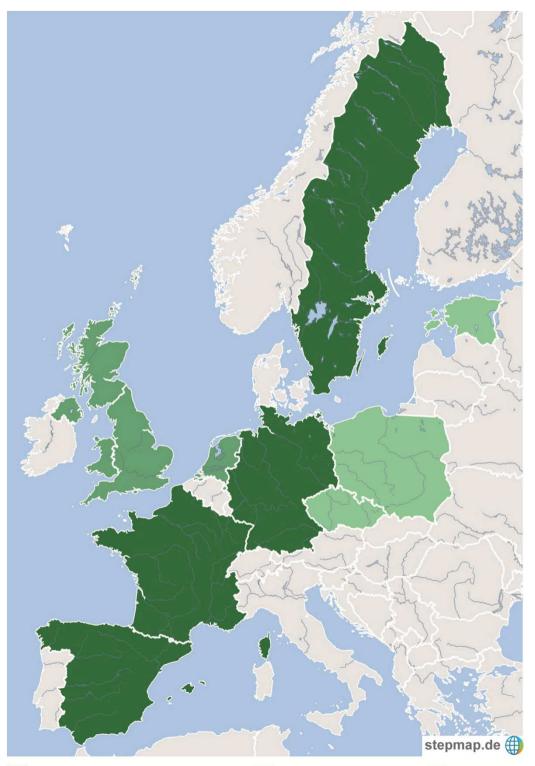










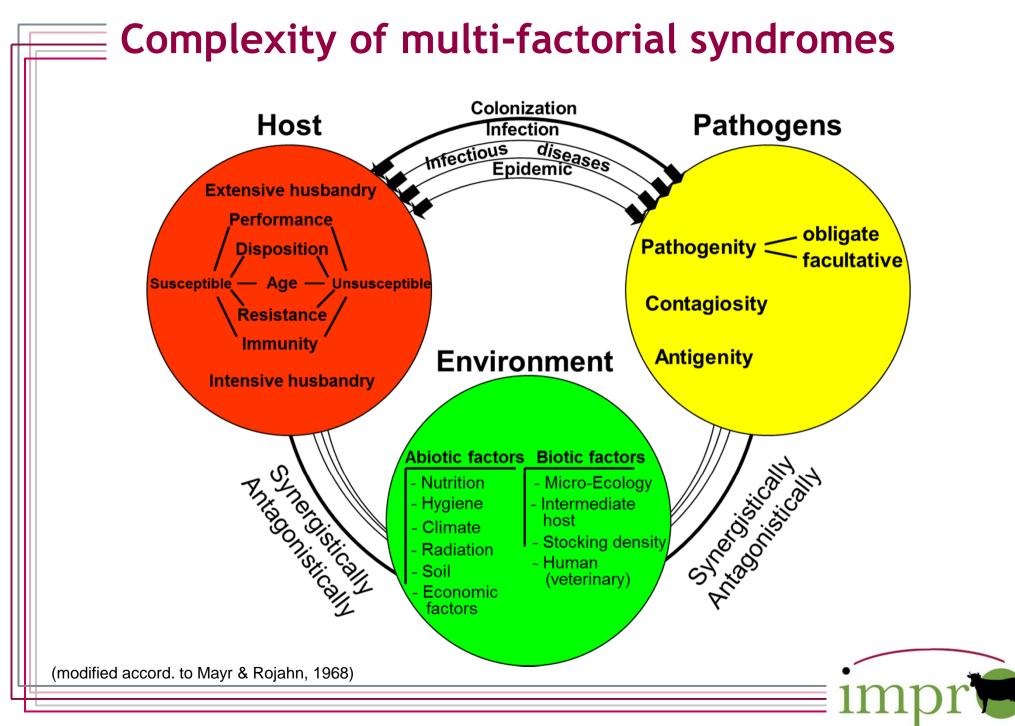


Farm visits WP2, WP 3, WP4

Farm visits WP6

Roadshows

- Production diseases in organic dairy production
- Diversity of organic livestock systems
- Complexity of multi-factorial syndromes



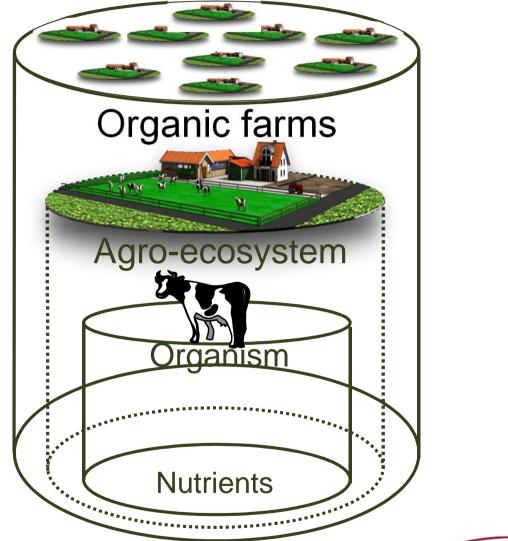
Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

- Production diseases in organic dairy production
- Diversity of organic livestock systems
- Complexity of multi-factorial syndromes
- Variation in the interconnectedness between numerous variables on various process levels



Different process levels involved

Production diseases emerge from a lack of capabilities and resources to adapt to situations caused by interactions between superand subordinate living systems





Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

- Production diseases in organic dairy production
- Diversity of organic livestock systems
- Complexity of multi-factorial syndromes
- Variation in the interconnectedness between numerous variables on various process levels
- Conflicting aims and economic interests

Challenges through competition





Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

Bridging the gap

Validation through a participatory approach

Generalised knowledge elaborated by Agricultural and Veterinary Science

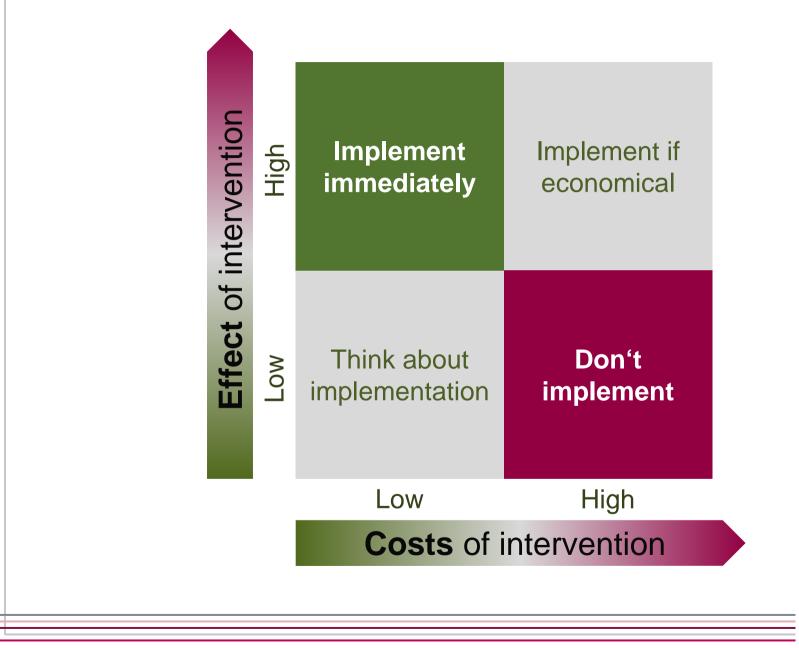
Diagnostic procedure on the farm level Specific problems within the context of complex farm systems

Participatory approach

Complexity requires a participatory approach based on diagnostic tools to identify the farm specific weak points and starting points for improvements

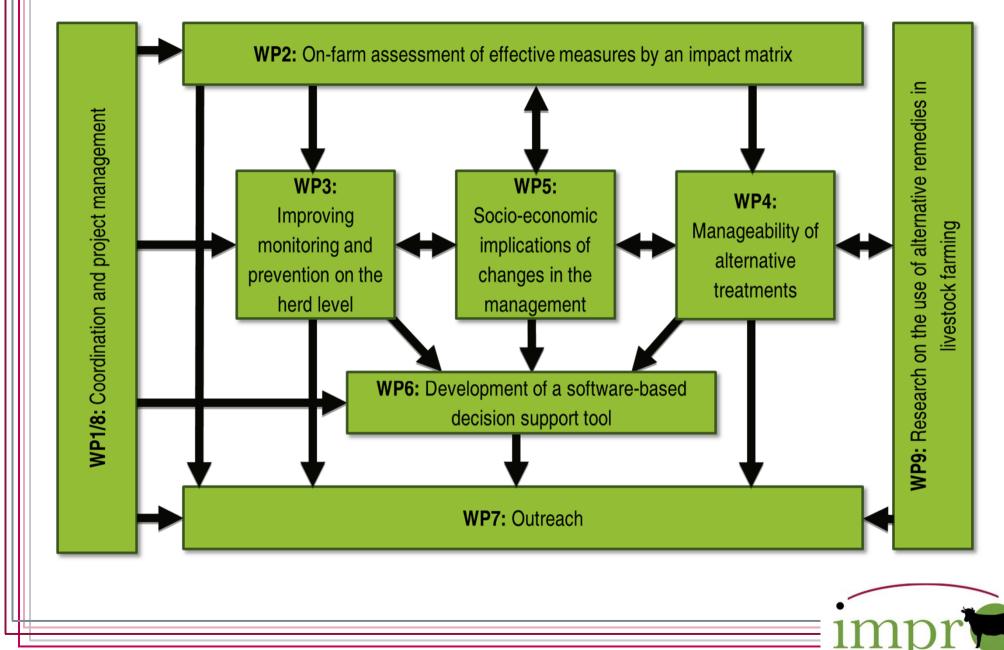
impr

Farm specific effectiveness and efficiency



Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

Structure of the IMPRO project



Final Workshop for Dissemination and Discussion Brussels, 09.09.2016

Innovative approaches as a reply to challenges

• Challenges

- Production diseases in organic dairy production
- Diversity of organic livestock systems
- Complexity of multi-factorial syndromes
- Conflicting aims and interests
- Variation in the interaction between variables

Innovative approaches

- Recording of production diseases
- Impact matrix analyses and participatory approach
- Proactive protocols
- Lege-artis concept for a target oriented treatment
- Cost-benefit calculations