



WP 1 Vision of the farm of tomorrow

Karel Charvat, Matej Krocan Pavel Gnip



WP1 Objectives

WP1 objectives are:

- analyse the potential external drivers
- organise workshops with stakeholders and provide an initial analysis of influences of external drivers at the level of the single farm
- define a strategy as to how farm knowledge management could be changed to adapt to the influences of external drivers
- organise a closing workshop to evaluate influences of external drivers and new methods of knowledge management on the future farm economy
- generalise the methodology to prepare a “road-map” for adoption by other farms.



WP1 outputs

- List of external drivers [month 2]
- Analysis of external drivers [month 6]
- Knowledge management methods [month 6]
- SWOT analysis of drivers and farms [month 6]
- Visions and recommendations for knowledge management [month 12]
- Analysis of principles for adaptive knowledge management on pilot farms [month 27]
- Workshop - strategies for adoption of knowledge management [month 28]
- Vision statements and Road-map methodology for adoption of knowledge management [month 30]



WP1 team

- WirelessInfo – Virtual Research Laboratory (Living Lab) with focus on applied IT
- CRTH-ITEMA Center for Research and Technology, Institute of Technology and Management of Agricultural Ecosystems – applied, and technological research



WP1 team

- ZALF, Leibniz Centre for Agricultural Landscape and Land Use Research - nationally funded research facility
- PROGIS, Progis-Software GmbH - one of the leading European Software developers dedicated to GIS technologies and applications for rural area management



What is farm today?

- Small family farms – few hectares
- Medium family farms – from 20 till 150 hectare
- Large family farms s hundreds of hectare
- Agriculture enterprises – more then 1000 ha
- Family farms large then 1000 ha



External drivers, which will change current farms

- Globalization
- Warming
- Technological progress
- Bioenergy production
- Environment protection
- Policy changes



External drivers, which will change current farms

- The influence of these external drivers on future farm management in Europe will be analysed with respect to three periods
- (i) short term (until 2013),
- (ii) middle term (until 2020),
- (iii) long term (after 2020).

Potential scenarios for the farming sector in different European areas will be described.



Discuss this drivers influences with farms

- We have to take into account diversity of farms
- We have to take into account fact, that externally has different roles (economical, social, environmental), but internally has mainly economical role
- Main instrument for analysis will be SWOT analysis



Knowledge management strategy

- What are current knowledge management strategy – this strategy are often focused on micro economy on level of single farm
- How to modify this strategy to use macro indicators for management on level of farm
- How to extend this strategy – prepare roadmap how to move from point A to point B