



FutureFarm

WP3: Analysis and specification of
knowledge based farm management



WP3: Objectives

- Analyse and specify system requirements related to:

Decision processes

Compliance with
new framework

Information needs

Real-time management

FMIS architecture

Network solutions
for rural area



WP3: Partners

- **AU**, *Faculty of Agricultural Sciences, Department of Agricultural Engineering, Denmark*
- **CRTH-ITEMA**, *Center for Research and Technology, Institute of Technology and Management of Agricultural Ecosystems, Greece*
- **AUTH**, *Aristotle University of Thessaloniki, School of Agriculture, Agricultural Engineering Laboratory, Greece*
- **MTT**, *Agrifood Research Finland, Plant Production Research, Finland*
- **UNIBAS**, *University of Basilicata, Department of Crop Systems, Forestry and Environmental Sciences, Italy*
- **WR-INFO**, *Wirelessinfo, Czech Republic*
- **PROGIS**, *Progis-Software GmbH, Austria*



Current state of information systems

- Fragmented information flow
- Data logistical problems
- Lack of automation in data handling
- Information overload
- “bottom-up approach”



Expected outcome

- "Top-down approach":
 - Information analysis
 - capture/define domain knowledge
 - entities and relationships
 - Information model
 - product of information analysis
 - defines information flow and data
 - ensures proper decomposition
 - FMIS architecture
 - farm data base



FMIS system architecture

