



# PROPIG

TINE ROUSING & JAN TIND SØRENSEN  
INSTITUT FOR HUSDYRVIDENSKAB, AU



# ERA-NET CORE ORGANIC II PROPIG (2011-2014)



9 Partnere i 8 Lande (AT, CH, CZ, DE, DK, FR, IT, UK)  
Koordinator: Dr. C. Leeb, BOKU, Austria

## Formål:

- At undersøge samspillet mellem husdyrsundhed og velfærd, ernæring og miljøpåvirkning
- At udvikle og formidle et management-redskab til forbedring af såvel husdyrsundhed og velfærd som ernæring og miljøpåvirkning



# DELMÅL

- At identificere dyr-miljø samspillet i tre forskellige produktionssystemer til økologisk svineproduktion (udendørs/delvis udendørs/indendørs med befæstet udeareal) på tværs af europas klimazoner
- At udvikle og implementere bedriftsspecifikke strategier til reduktion af miljøpåvirkningen gennem forbedret husdyrsudnhd, velfærd, ernæring og management af økologiske grise
- At formidle viden til nationale rådgivningsinstitutioner og landmænd



# Studiedesign

ICROFS STATUS MØDE

3 Produktionssystemer hver med 25 bedrifter across  
countries

Hver bedrift:

- > Husdyrvelfærd
- > Husdyrernæring
- > miljøpåvirkning
- > Økonomi
- > Kvalitative interviews med landmænd



# Tools

## › For assessment and improvement

- › Checklist
- › HACCPbased MS Excel® Tool (Post weaning diarrhoea, Parasites, Piglet mortality, Fertility) if applicable
- › Automatic recording and feedback tool (handheld benchmarking system)
- › Simple MS Excel® tool to calculate rations based on feed ingredients
- › Catalogue of possible improvement strategies
- › Decision Support Tool for Reducing Environmental Impacts



# TIDSPLAN

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1	1 identification / determination of housing and management systems to be assessed	█																																																																																																																																																							
	2 development of assessment protocol for animal health & welfare and environmental impact	█																																																																																																																																																							
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	2 farm visit 1: assessment of animals and environment									█																																																																																																																																															
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	3 evaluation of improvement strategies																█																																																																																																																																								
	4 summary of improvement strategies for the farming system as "codes of practice"																	█																																																																																																																																							
	5 dissemination/publication (booklet, training courses, codes of practice)								█																			█																																																																																																																													
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# WP1: DEFINITION OF SYSTEMS AND DEVELOPMENT OF ASSESSMENT PROTOCOLS OF ANIMAL HEALTH, WELFARE AND ENVIRONMENTAL IMPACTS (WP LEADER: SANDRA EDWARDS/GILLIAN BUTLER)

- › Definition of **Systems** (indoor/partly indoor/outdoor)
- › **Development of Assessment protocols**
  - **Animal health and Welfare:** e.g. Clinical scoring, medicine records
  - **Environmental impact:** LCA, nutrient balances
  - **Farmer:** qualitative interviews, basic economical data
- › **Automatic** recording and feedback
- › „**Decision Support Tool**“ for environmental impact



# WP 2: ON-FARM ASSESSMENT AND APPLICATION OF IMPROVEMENT STRATEGIES OF ANIMAL HEALTH, WELFARE AND ENVIRONMENTAL IMPACTS (WP LEADER: TINE ROUSING)

A prospective cohort observational study will compare the health and welfare status and environmental impacts of the three husbandry types.

75 farms (3 systems of 25 farms each)

- › 1. visit: Assessment and data collection of environmental impacts , animal health and welfare
- › 2. visit Feedback of summarised information as “benchmarking” , “plan” written by the farmer (goals and improvement strategies).
- › between farm visits, farmers will be supported by phone and email.
- › 3. visit re-assessment of the farm situation, economic key data , furthermore a new plan will be made





# WP 3: ANALYSIS, EVALUATION AND DISSEMINATION

(WP LEADER: SABINE DIPPEL)

1. **Comparison of three systems** regarding animal health, welfare and environmental impact
2. **detailed analysis of effect of farming type** on health and welfare and productivity
3. **Evaluation of improvement strategies**
4. **Dissemination:**
  - › Website, articles (farmer journals/scientific)
  - › Handbooks and training material for advisors
  - › National and international stakeholder meetings

