PigSurfer – SURveillance, FEedback & Reporting within ProPIG for communication with 75 organic pig farmers

Christine Leeb[1], Davide Bochicchio[2], Gillian Butler[3], Sandra Edwards[3], Barbara Früh[4], Gudrun Illmann[5], Armelle Prunier[6], Tine Rousing[7], Gwendolyn Rudolph[1], Sabine Dippel[8]

[1]University of Natural Resources and Life Sciences Vienna (BOKU), 1180 Vienna, AT; [2]CRA-SUI, Agricultural Research Council, 41018 San Cesario sul Panaro, IT; [3]Newcastle University, Newcastle upon Tyne NE1 7RU, UK; [4]FiBL, 5070 Frick, CH; [5]Institute of Animal Science, 10400 Prague, CZ ; [6]INRA, 35590 Saint-Gilles,FR; [7] Aarhus University, 8830 Tjele, DK; [8] Friedrich-Loeffler-Institut, 29223 Celle, DE

Challenges of on-farm data collection and feedback

- Many data of various origin in short time
- Difficult assessent situation: dust/lack of light/handling of animals
- Data entry, upload into database
- Benchmarking across farms/within farm
- Feedback to farmer needs to be on same day
- Compilation of a printed report on farm

ProPIG - www.coreorganic2.org/propig

9 partners in 8 countries, 75 organic pig farms, 2011-2014

Robust and competitive organic pig production:

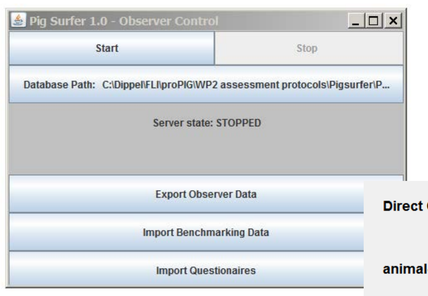
- low environmental impact + good animal health and welfare
- assumption that **improving animal health & welfare** reduces environmental impact (decreased medicine use, improved feed conversion efficiency)

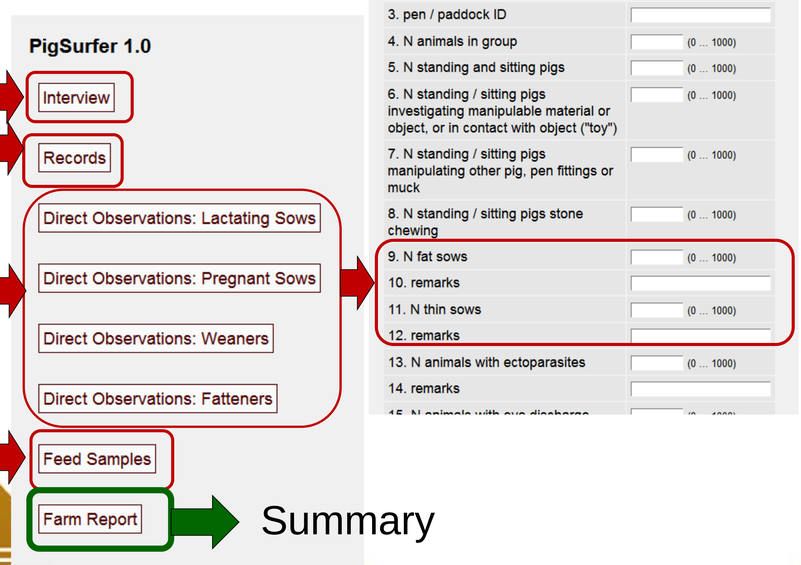
3 farm visits:

- 1.assessment 2.feedback 3. assessment+feedback

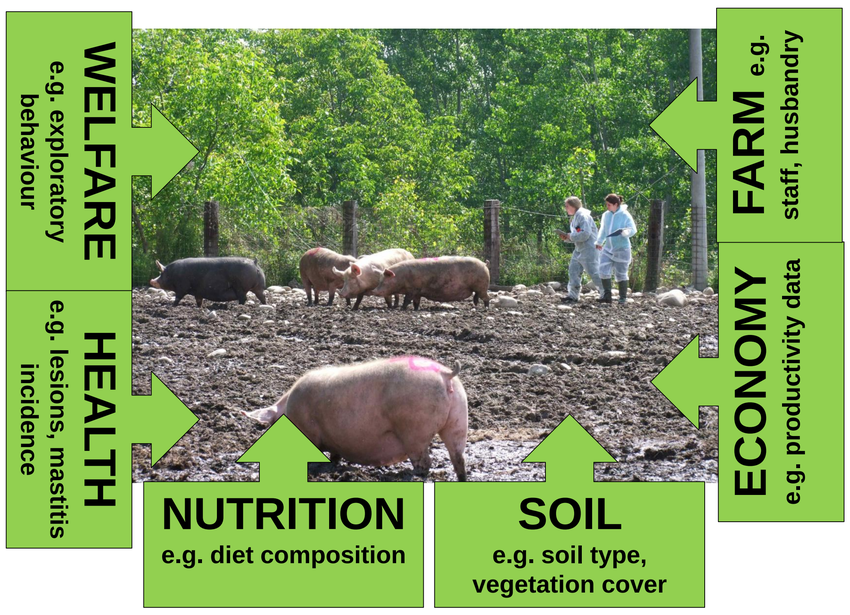
Surveillance

Data entry using a Tablet PC
Software „PigSurfer“ as Desktop or Android Version





On farm Assessment

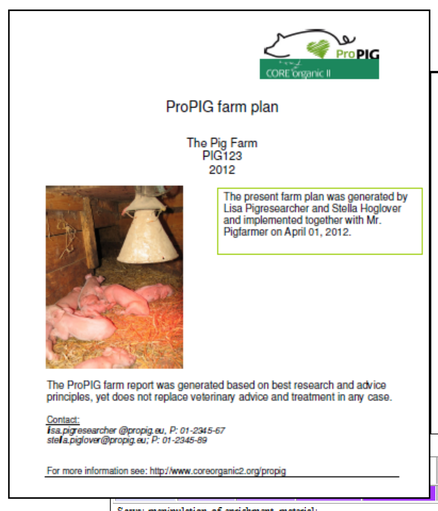


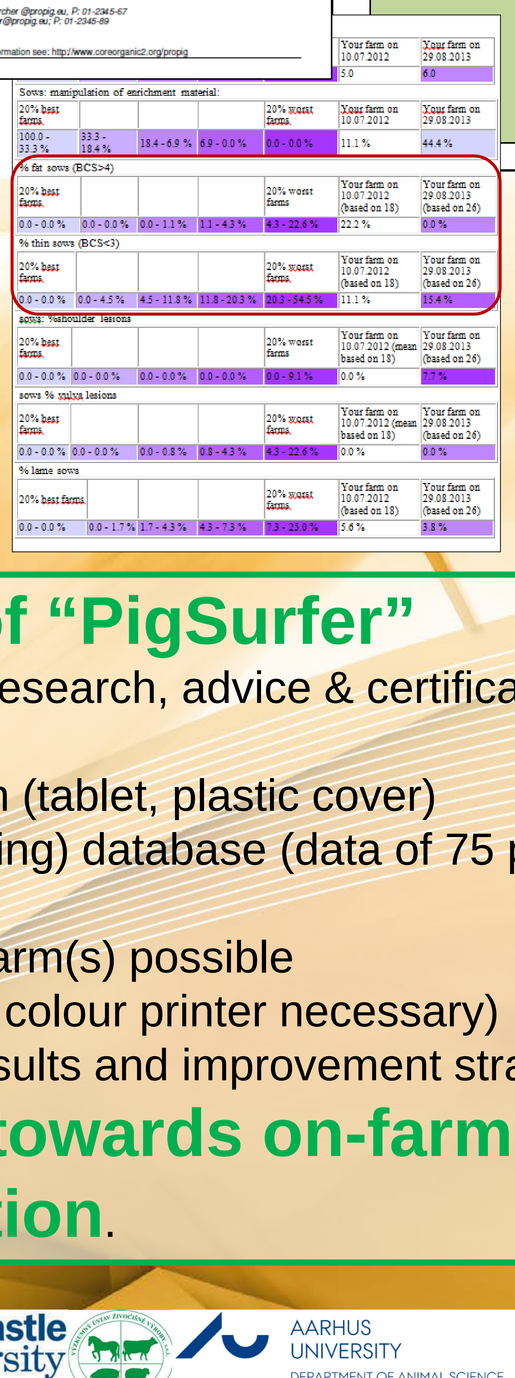
Discussion of results based on farm report with all people involved, setting of goals and measures

Feedback

Reporting

Farm report including
cover sheet,
summary page for goals and measures &
summary of health and welfare as benchmarking





Results- Qualities of “PigSurfer”

- For various on-farm applications: research, advice & certification
- During one day visits possible
- Convenient on-farm data collection (tablet, plastic cover)
- Import of data into a (already existing) database (data of 75 pig farms)
- Benchmarking across and within farm(s) possible
- Printed output for farmer (portable colour printer necessary)
- Allows immediate discussion of results and improvement strategies

Important first step towards on-farm application.

Acknowledgement

We thank Andreas Strack for developing the software…

The authors gratefully acknowledge the financial support for this project provided by the CORE Organic II Funding Bodies, being partners of the FP7 ERA-Net project, CORE Organic II (Coordination of European Transnational Research in Organic Food and Farming systems, project no. 249667). For further information see: www.coreorganic2.org

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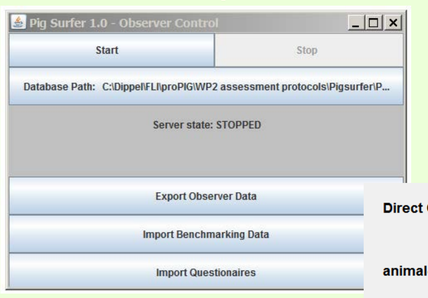
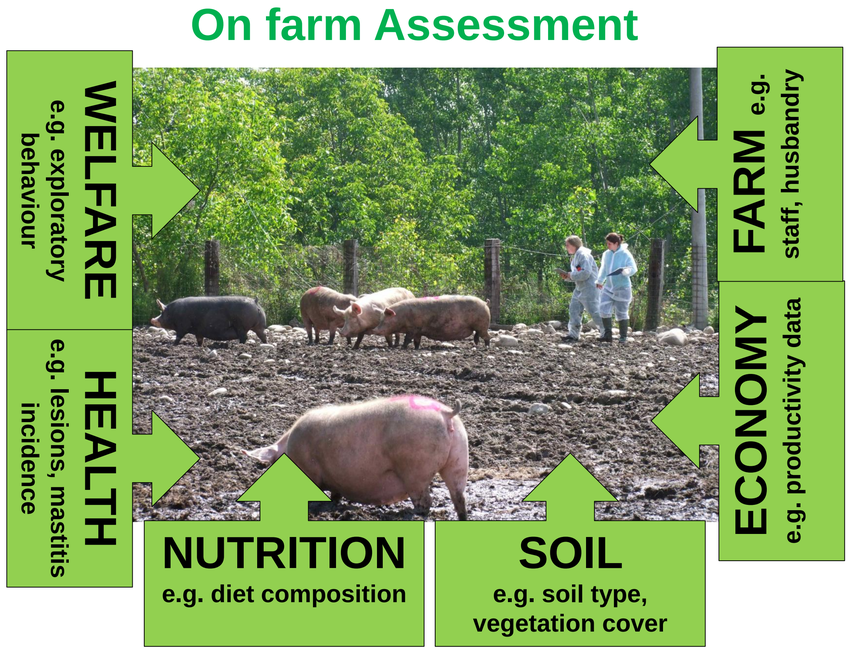
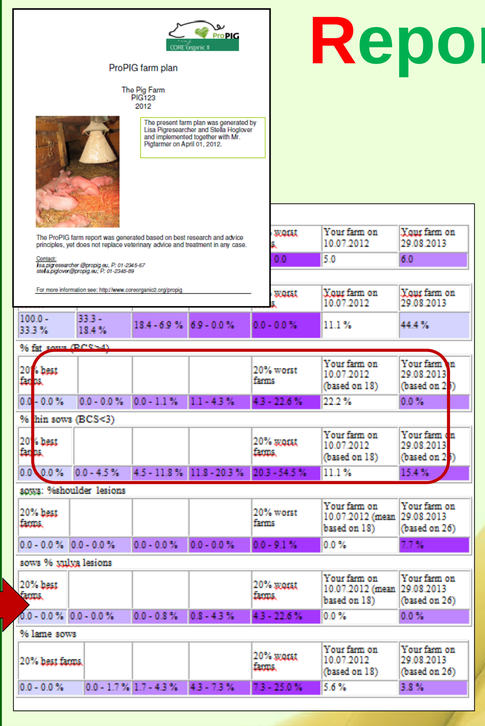


On farm Assessment



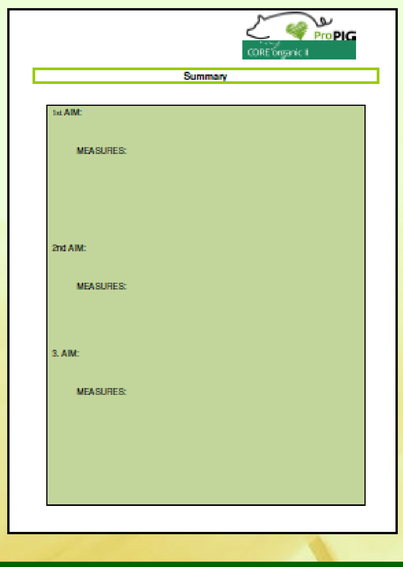
Reporting



Farm report:
cover sheet,
page for goals and measures &
Results of health and welfare assessment as benchmarking

Feedback

Based on farm report
discussion of results
with all people involved,
setting of goals and measures



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