Challenges of on-farm data collection and feedback

- Many data of various origin in short time
- Difficult assessment 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

Acknowledgement

We thank Andreas Strack for developing the software…

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Surveillance

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

Feedback

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

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.
ProPIG - www.coreorganic2.org/propig
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Surveillance

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

Feedback

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

On farm Assessment

WELFARE
- e.g. animal activity
- e.g. exploration

HEALTH
- e.g. lesions, mastitis

NUTRITION
- e.g. diet composition

SOIL
- e.g. soil type, vegetation cover

ECONOMY
- e.g. productivity data

FARM
- e.g. facilities, husbandry

Farm report: cover sheet, page for goals and measures & Results of health and welfare assessment 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 (75 pig farms)
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