Task 4.2 : Training and implementation of farm management application

The AWIN case study

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The challenge :

- Farmers think :
  - The use of applications to farm management is

    Unrealistic

    Difficult

    Time-consuming

    Overestimated

- Only a few farmers are aware of the existence of farm management applications and even fewer know how to apply and use it.

The challenge :

To persuade them :

- for the advantages of AWIN app to their farm sustainability
- that changes proposed by AWIN app are practical and have long-term benefits in production and money
- to support its future use

The tool :

- AWIN application

  - Stands for Animal Welfare Indicators
  - Developed through European Animal Welfare Indicators Project
  - With an emphasis on pain assessment and pain recognition

  - Open source
  - Easily installed on any smart device

  - Collect data while on the farm and get a customized welfare assessment
  - Each customized assessment is linked to a global welfare database

The tool :

▶ AWIN application

Farm Information

Farm	1
FarmManager	12
City	Thessaloniki
Country	🇬🇷 Greece ▾
Phone	00306958765689
E-mail	trivizaki@gmail.com

Save Farm

Back

Farm Level Information

Assessor	Mata
Date	15/07/2017 ▾

Number of Animals

Breeding Ewes	
Rams (>6 months)	
Young stock	

Next

Welfare Assessment: 1

Human-animal relationship

Familiar human approach test

Flight observed? ▾

Distance

Weather (outdoor observations only)

Temperature	30
Precipitation	0
WindSpeed	18
WindDir	NE
Humidity	45

Next

The training team :

- <u>The trainers</u> : Animal scientists of the Institute of Animal Genetic Resources of Thessaloniki, certified in adult education and lifelong training

- <u>The trainees</u> : Total 15 farmers
  - Five breeders of three breeds : Frizarta, Lesvos, Autochthonous goat and
  - Two species : sheep and goat

The training :

- Basic course training

  - ❑ Application installation
  - ❑ Step-by-step AWIN presentation
  - ❑ Analysis of data required
  - ❑ Examples related to real data

- Farm –on site- demonstration

  - ❑ Data collection
  - ❑ Data processing
  - ❑ Pilot assessment for practice

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The monitroring :

- ❖ AWIN assessment is analyzed together with the instructor
- ❖ Personal interviews :
  - ❑ register difficulties
  - ❑ time needed to complete assessment
  - ❑ argument on assessment evaluation
  - ❑ the level of understanding assessment suggestions
  - ❑ willingness to apply AWIN suggestions

Farmers evaluate, every time, AWIN recommendations

- ▶ Breeders are asked to apply AWIN two more times by their own (once per year)
- ▶ Communication is recorded

The monitroring :

▶ (Overall/Final) Record farmers opinion

- ❑ on the use of the app
- ❑ the frequency of its use
- ❑ what are the advantages of its use
- ❑ future use of the app and the benefits of it
- ❑ farm management adjustments to further use the app
- ❑ interest to other applications of the similar philosophy to apply in their farms
- ❑ opinion on the importance of its use
- ❑ do other farmers consider to apply AWIN to their farms

The conclusion :

▶ Breeders gain a significant level of knowledge in managing applications and online products

▶ Many breeders have been positively influenced towards using online applications for farm management

▶ Breeders using/adopting AWIN are more acceptable to innovative issues related to their farms, job quality, social health and product quality

The conclusion :

▶ Farmers are moving towards a more environmental friendly farm management

▶ Improving the quality of livestock welfare contributes greatly to reducing environmental loads

   (either in the management of livestock waste

              or in improving the energy footprint of each farm)

▶ All of the above contribute to financial prosperity and farm viability while promoting the social level of the breeders.

The Institute of Animal Genetic Resources Team

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Thank you