Databased register as a tool for meat inspection

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= The Association for Animal Disease Prevention in Finland (www.ett.fi)

Founded in 1994 before Finland joined EU in order to keep our production animals as healthy as possible by

- instructing imports (animals, animal feeds)
- instructing farms to manage diseases and to use preventive measures
- maintaining national health databases for cattle and pigs
- co-operating with insurance companies to develop insurance models for animal diseases
Members are dairies, slaughterhouses and egg packeries, 95% of the industry
Lots of passive members (private persons + companies)
Seven employees, of which 4 are veterinarians
Finnish production in pork 2009

- 2300 pigfarms
- 153 000 sows
- Production 206 million kg of pork, consumption 184 million kg
- In Sikava over 95% of the farms
Pig diseases in Finland

- PRRS: no
- TGE/PRCV: no
- SVD: no
- Aujeszky: no
- S. cholerae suis: no
- Swine influenza: yes (found 2009)
- Swine fever: no
- African swine fever: no
- Foot-and-mouth disease: no etc.....
Sikava

- www.sikava.fi
- Internet based online register for swine farms from 2004
- Service maintained by Agricultural Data Processing Centre Ltd.
- 2 workers; a health classification officer and a vet
- Free for the producer, costs paid by members (8 slaughterhouses)
Basic Level
- farm fullfills EU- and national legislation
  - identification of animals
  - animal protection
  - contagious diseases
  - medication etc.

National Health Level (92%)
- farm fullfills Sikava`s regulations
  - includes eg regular farm visits by a vet, health plan, freedom of certain diseases, insurance protection
- new additions from 1.1.2011
  - animal welfare check, controlled use of medicines

Special Level (ca 100 farms)
- farm sells breeding animals to other farms
- special demands of biosecurity, vet visits, freedom of certain diseases etc.
How to join Sikava?

- Farmer makes a contract with a veterinarian
- Farmer decides, which level to join
  - National Health Level
    - Certain terms has to be fullfilled before upgrading
  - Basic Level
    - Sikava only as a tool for medicine records
    - No regular vet visits needed
    - Lower price for the slaughtered animals
  - Farmer sends the contract form to Sikava
    - a password to register
With the contract the farmer allows different operators to view his data
- Slaughterhouse and the official veterinarian
- Veterinarian(s)
- Sikava
- Breeding and advisory organisations
- Provincial veterinarian (restricted access rights)
- Laboratory to save results (restricted access rights)
National Health Level regulations

- Production monitoring
- Vaccination program against erysipelas and parvovirus (farrowing units only)
- Control of endoparasites
- Documentation of medication
- ETT’s instructions of imports (semen, animals, feed) must be followed
National Health Level regulations

- Finishing unit buys only piglets from units at the national level
  - If continuous filling system is used, finishing units can buy piglets only from 2 different farrowing units
Freedom of certain diseases:

- In case of an outbreak, insurance covers the eradication costs
  - Swine enzootic pneumonia (sample control)
  - Mange (clinical surveillance)
  - Atrophic rhinitis (clinical surveillance)
  - Swine dysentery (clinical surveillance)
  - Salmonella (sample control)
  - PRRS (national surveillance program)
  - PMWS (no insurance coverage)
National Health Level regulations

- Vet visits:
  - farrowing units 4–6 times a year
  - finishing units once in every batch or 4–6 times a year

- At every visit
  - the animals are observed
    - to be free of mentioned diseases and
    - certain symptoms (e.g. cough, sneezing, abortions, leg diseases, tail biting) are recorded
    - piglet mortality after weaning and vaccinations are recorded
  - a special form is filled
    - stored in Sikava register by veterinarian or
    - sent to the health class officer
Every farm must have a health plan, which is checked once a year and renewed, if necessary

A new health plan form will be ready during 2011

- Will also give new information into register e.g. about vaccination programs
**Laboratory results**

- All main laboratories have passwords to store the results of sampling (e.g. salmonella)
- Finnish Food Safety Authority Evira can send results via interface
  - SEP
  - other diseases coming later?
- => farmer can see his results straight away
- => positive results of any disease give an alarm to the health class officer => can be checked, if the farm status is affected
Meat inspection data

- All slaughterhouses send their meat inspection data via interface to the register.
- They can be used to draw statistics.
  - New statistics will start 2011. All farms will get automatically 6 months summary. => slaughterhouses use it to check the farms over limits.
Medication register

- Free site to store medication records
- Only the used drugs are written into the register =>
  - useful information to official veterinarian and Sikava
  - possible to draw conclusions and make statistics of used drugs and indications
- All information in a safe place over 5 years
- Interface is ready to receive records from other programs like WinPig and veterinary programs
New regulations from 1.1.2011

- Mortality at the farm must be lower than appointed values
- The condemnation procents must be lower than appointed values
  - if the values are not achieved, the slaughterhouse gives advisory services
  - if values are not achieved after that, all slaughterhouses refuse to take animals in
- Obligatory to use Sikava as a medication register from 1.1.2011
- Later limits to drug usage at the farm
Animal welfare taken into account by
- counting shoulder sores in sows
- counting tail biting more carefully
- sow body condition scoring

New information about mortality at the farm

Some old questions specified, eg. abscesses added to the list of symptoms

Medicine records to be checked at every visit

=> New form very useful to assess the quality of slaughter animals
Naseva

- [www.naseva.fi](http://www.naseva.fi)
- Databased online register for cattle farms in Finland
- =similar type of register to Sikava
- Now 7500 farms joined so far (50%)
- Costs paid by members (7 slaughterhouses, 25 dairies)
Summary

- Sikava register contains data at the farm level for an official veterinarian to check food chain information if necessary.
- Register contains information of:
  - farm visits by a veterinarian
  - laboratory results
  - meat inspection
  - drug usage
- The use of register is authorised by the farmer.
Thank you!