



## WG2: Farm risk categorisation

# Using FCI & HEIs for risk categorisation of farms

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### Future FCI system

- consists of **mandatory data** (defined parameters, thresholds) **per species and production type**
- allows **additional information** relevant for specific production chains
- obtains data from **(inter)national animal health databases**
- proposes **specific consequences** at farm and abattoir level
- enables effective upstream (farm-to-abattoir) and downstream (abattoir-to-farm) **exchange of information**
- encourages an **active and truthful participation** of farmers
- provides opportunities for **enhancement**

### Future HEIs

- **integral part of FCI** to risk categorise farms and abattoirs
- content of applied HEIs depends on the **epidemiological situation** of each country or region
- combine **farm level and abattoir level indicators**
- propose **specific consequences** at farm and abattoir level
- need a **re-evaluation by EFSA** to be able to propose "standard HEIs" and "specific HEIs" for some countries/regions
- **need intensive training** for farmers, vets, Ovs, FBOs and CA

**FCI and HEIs form the cornerstones of EFSA's risk categorisation model**

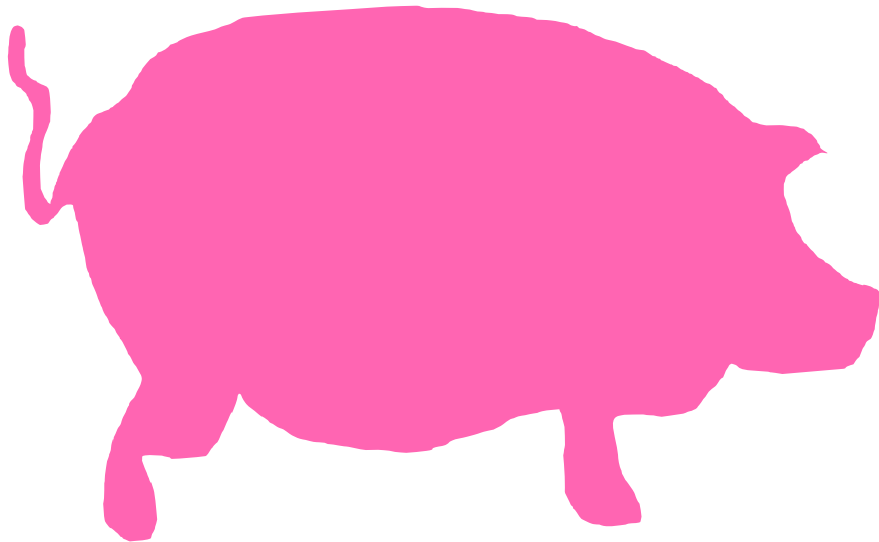
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FCI for pigs





...

b) **“animals’ health status”**

→ mortality rate in % during fattening & tentative cause of deaths

→ critical threshold: >5% [research needed]

→ occurrence of diseased animals (apathy, lameness, coughing, neurologic or reproduction failure, skin lesions, diarrhea)

→ threshold for notification: a) group treatment or b) more than 20% of the animals are affected

c) **“veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods”**

→ relevant period: 7 days before slaughter [research needed]

...

f) **“relevant reports** about **previous ante- and post-mortem inspections**...in particular **reports from the official vet”**

→ standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

g) **“production data** that indicate the presence of disease”

→ husbandry system (e.g. outdoor, conventional), feed & water supply, quality assurance system in place

**“name and address of the private veterinarian** normally attending the holding of provenance”

→ enables direct contact for inquiries



...

c) “**veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods**”

→ risk-based residue testing for animals treated within last 7 days before slaughter

d) “occurrence of **diseases that may affect the safety of meat**”

→ ? mostly subclinical ?: *Salmonella, Yersinia, Trichinella, Toxoplasma*, Hepatitis E virus

e) “**results**, if they are relevant to the **protection of public health**, ...incl. **monitoring and control of zoonoses and residues**”

→ serological monitoring results: e.g. multiserology, audit of farms regarding *Trichinella* & *Toxoplasma*

f) “relevant reports about **previous ante- and post-mortem inspections**...in particular **reports from the official vet**”

→ standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

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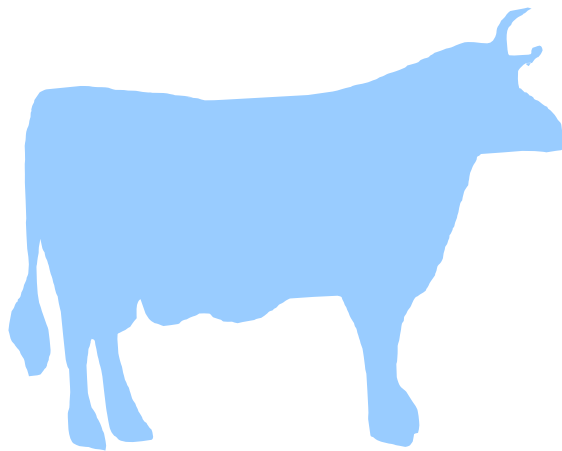


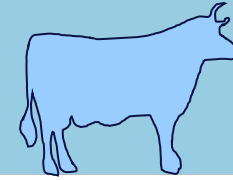
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# FCI for bovines

- a) calves
- b) bulls
- c) dairy cows





...

b) **“animals’ health status”**

- calves & bulls:
  - mortality rate in % during fattening & tentative cause of deaths, critical threshold: [research needed]
  - calves: occurrence of diseased animals, threshold for notification: a) group treatment or b) more than 20% of the animals are affected
- dairy cows:
  - reason for removal from the herd

c) **“veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods”**

- calves, bulls, dairy cows: [research is needed regarding relevant period of time per production type]

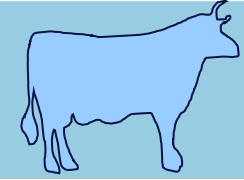
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f) **“relevant reports** about **previous ante- and post-mortem inspections...**in particular **reports from the official vet”**

→ standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

g) **“production data** that indicate the presence of disease”

→ husbandry system, OTF status, feed & water supply, quality assurance system in place



...

c) “**veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods**”

→ risk-based residue testing for animals treated within relevant period before slaughter

d) “occurrence of **diseases that may affect the safety of meat**”

→ ? mostly subclinical ? : *Salmonella*, VTEC, ESBL/AmpC, *Taenia saginata*, *Sarcocystis*

e) “**results**, if they are relevant to the **protection of public health**, ...incl. **monitoring and control of zoonoses and residues**”

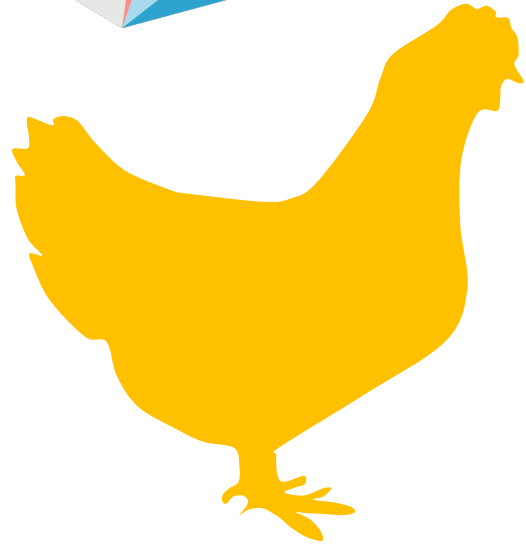
→ monitoring results, audit of farms “Tuberculosis status” or “Brucellosis status”

f) “relevant reports about **previous ante- and post-mortem inspections**...in particular **reports from the official vet**”

→ standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

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# FCI for broilers



...

b) “**animals’ health status**”

- mortality rate in % during fattening
- critical threshold: >2,5% [research needed]

c) “**veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods**”

- relevant period: entire fattening period [research needed] and indications for treatments

...

f) “**relevant reports** about **previous ante- and post-mortem inspections**...in particular **reports from the official vet**”

- standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

g) “**production data** that indicate the presence of disease”

- husbandry system, feed & water supply, quality assurance system in place, mortality rate

“**name and address of the private veterinarian** normally attending the holding of provenance”

- enables direct contact for inquiries



...

c) “**veterinary medicinal products** or other treatments administered to the pigs within a relevant period of time and with a withdrawal period greater than zero, together with **their dates of administration and withdrawal periods**”

→ risk-based residue testing for animals treated within last 7 days before slaughter

d) “occurrence of **diseases that may affect the safety of meat**”

→ ? mostly subclinical ?: *Campylobacter*, *Salmonella*, ESBL/AmpC carrying bacteria

e) “**results**, if they are relevant to the **protection of public health**, ...incl. **monitoring and control of zoonoses and residues**”

→ *Salmonella* monitoring results, audit of farms regarding *Campylobacter* and *Salmonella*

f) “relevant reports about **previous ante- and post-mortem inspections**...in particular **reports from the official vet**”

→ standardised list of findings assessed by well-trained personnel assisted by computerised vision systems

...



# Conclusions

## Farm categorisation:

**effective tools are available** like FCI, HEIs, diagnostic and audit results, but there is still a **need for** ...

- precise definitions of requested information
- research on relevant parameters and thresholds
- proposal of effective consequences
- consistent implementation
- upstream & downstream of information
- monetary incentives for farmers instead of system of punishment

**Thank you for your attention.**

**Special thanks**

**to all respondents, RIBMINS NCPs, WG 2 members  
and our chair and vice chair, Bojan & Lis!**



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