

Questionnaire "BIOPIGEE: European survey on biosecurity in pig farming V1"

1. 1. Name of the interviewer

2. 2. Institution of the interviewer

3. 3. Date:

4. 4. City/Region:

5. 5. Name of the farm or anonymised acronym (same as for samples collected, eg IT-01, NL-01):

6. 7. Is the farm operating indoor or outdoor?

- Indoor
- Outdoor

7. 8. What kind of farm type do you have?

- Farrow-to-finish
- Breeding
- Weaning
- Fattening
- Breeding+weaning
- Breeding+fattening
- Weaning+fattening

8. 9. Are pigs in your operation kept outdoors (regularly or permanently)?

- No
- Yes - gestating sows
- Yes - lactating sows with sucklers
- Yes - weaners
- Yes - fatteners

9. 10. Is your pig farm run according to organic regulations?

- Yes
- No

10. 11. Are all farm buildings surrounded by a perimeter fence?

- Yes
- No
- Partly interrupted

11. 11o. Are all farm enclosures (does not have to include accommodation for farm staff) surrounded by a single fence around the entire perimeter of the site?

- Doubled fence
- Single fence
- Perimeter fence exists around main site and separate fences around linked fields/sites
- No perimeter fence

12. 12. Is a hygiene lock present in the operation?

- No
- Yes, one for whole operation
- Yes, one per barn
- Yes, one per barn section
- Yes, one for quarantine area

13. 12o. Is a room for changing clothes present in the operation?

- No
- Yes, one for whole operation
- Yes, one per outdoor enclosure section
- Yes one for quarantine area

14. 13. Do people always have to use the hygiene lock when entering the barn?

- No (not present or not always used)
- Yes - internal people
- Yes - external people

15. 14. Do people always have to take a shower before entering the barn?

- No
- Yes - internal people
- Yes - external people

16. 14o. Do people always have to take a shower before entering the outdoor enclosure?

- No
- Yes, internal people have to take a shower
- Yes, external people have to take a shower

17. 15. Do people always have to wash or disinfect their hands before entering the barn?

- No
- Yes, internal people wash hands
- Yes, internal people disinfect hands
- Yes, internal people wear disposable gloves
- Yes, external people wash hands
- Yes, external people disinfect hands
- Yes, external people wear disposable gloves

18. 15o. Do people always have to wash their hands before entering the outdoor enclosure?

- No
- Yes, internal people wash hands
- Yes, internal people disinfect hands
- Yes, internal people wear disposable gloves
- Yes, external people wash hands
- Yes, external people disinfect hands
- Yes, external people wear disposable gloves

19. 16. Do people always have to wash or disinfect their hands between different barn sections?

- No
- Yes - internal people wash hands
- Yes - internal people disinfect hands
- Yes - external people wash hands
- Yes - external people disinfect hands
- Farm has only one barn section

20. 16o. Do people always have to wash or disinfect their hands between different outdoor enclosure sections?

- No
- Yes - internal people wash hands
- Yes - internal people disinfect hands
- Yes - external people wash hands
- Yes - external people disinfect hands
- Farm has only one outdoor enclosure section

21. 17. Do people always have to wear farm-specific clothes and footwear?

- No
- Yes - internal people: farm-specific clothes
- Yes - internal people: farm-specific footwear
- Yes - external people: farm-specific clothes
- Yes - external people: farm-specific footwear

22. 18. Are clothes and footwear always changed or cleaned and disinfected between barn sections or when moving to another production stage (e.g. from weaners to fatterns)?

- No
- Yes - clothes changed
- Yes - footwear changed
- Yes - footwear cleaned
- Yes - footwear disinfected
- Farm has only one barn section

23. 18o. Are clothes and footwear always changed or cleaned and disinfected between outdoor enclosure sections or when moving to another production stage (e.g. from weaners to fatterns)?

- No
- Yes - clothes changed
- Yes - footwear changed
- Yes - footwear cleaned
- Yes - footwear disinfected
- Farm has only one outdoor enclosure section

24. 19. How many internal persons are in charge of taking care of the pigs?

25. 20. Whom of external people have access to the barns?

- Veterinarian (if external)
- Advisor (feed, management, hygiene, etc.)
- Maintenance company
- Drivers of transport vehicles
- Distributers
- Other visitor
- None of the above mentioned persons

26. 20o. Whom of external people have access to the outdoor enclosures?

- Veterinarian (if external)
- Advisor (feed, management, hygiene, etc.)
- Maintenance company
- Drivers of transport vehicles
- Distributers
- Other visitor
- None of the above mentioned persons

27. 21. Is there a pig-contact free period of >12h before any external people are allowed to enter the barn?

- Yes,
- Yes, 12 to 24h
- Yes, 24 to 48h
- Yes, 48 to 72h
- Yes, >72h
- No

28. 21o. Is there a pig-contact free period of >12h before any external people are allowed to enter the outdoor enclosures?

- Yes,
- Yes, 12 to 24h
- Yes, 24 to 48h
- Yes, 48 to 72h
- Yes, >72h
- No

29. 22. How often do external people enter the barn(s)?

- Daily
- <Daily up to weekly
- <Weekly up to monthly
- <Monthly
- Never

30. 22o. How often do external people enter the outdoor enclosures?

- Daily
- <Daily up to weekly
- <Weekly up to monthly
- <Monthly
- Never

31. 23. Do external vehicles have access to the clean area within the farm perimeter?

- Yes
- No
- Do not have clean area

32. 24. When loading/unloading, do you use a ramp or loading area which prevents the pigs having contact with other houses/pens/areas containing pigs?

- | | Yes | No | Not applicable |
|-------------|-----------------------|-----------------------|-----------------------|
| • Loading | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Unloading | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

33. 25. Are transport vehicles (own or external) always cleaned and disinfected before loading pigs?

- No
- Yes - cleaned
- Yes - disinfected
- Unknown, whether cleaned or disinfected

34. 26. Do you use separate transport vehicles for pigs of different age groups?

- | | Yes | No |
|-----------------|-----------------------|-----------------------|
| • Breeding pigs | <input type="radio"/> | <input type="radio"/> |
| • Weaners | <input type="radio"/> | <input type="radio"/> |
| • Fatteners | <input type="radio"/> | <input type="radio"/> |

35. 27. Where is semen sourced from?

- From boars on farm
- From boars of another farm
- From boar studs

36. 28. Does the semen originate from farms/ boar studs with equal or higher Salmonella / HEV status?

- Salmonella - Yes, with equal or higher status.
- Salmonella - No, with lower status.
- Salmonella - Unknown status.
- HEV - Yes, with equal or higher status.
- HEV - No, with lower status.
- HEV - Unknown status

37. 29. Do you purchase pigs?

- Yes
- No

38. 30. Do the breeding pigs come from one or multiple sources within a year?

- Single source
- Multiple sources

39. 31. If you purchase pigs, do they have equal or higher Salmonella / HEV status than your own pigs?

	1	2	3	4	5
• Salmonella - Breeding pigs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Salmonella - Weaners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Salmonella - Fatteners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• HEV - Breeding pigs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• HEV - Weaners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• HEV - Fatteners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

40. 32. Are purchased breeding pigs (gilts and boars) moved to a quarantine area before they enter the sow herd?

	Yes	No	Not applicable
• Gilts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Boars	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

41. 33. What is the minimal length of the quarantine period (in days) ? (no quarantine period = -99)

43. 33ao. Do pigs have access to open water sources?

- Yes
- No

44. 34. Where does the drinking water originate from?

- Public network
- Private well/borehole
- Surface water (lake, pond, river etc.)

45. 35. If private water sources are used, is the quality of the drinking water checked every year at the well/ borehole by means of a bacteriological analysis?

- Yes
- No
- No private water source

46. 36. Is the drinking water system (storage tank and pipeline) cleaned and disinfected at least once a year?

	1	2	3
• Cleaned	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Disinfected	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

47. 37. Where does the feed originate from ("No supplemental feed" is an option only for sucklers)?

	Own farm Other farm Feed mill	No supplemental feed	Not present at farm
• Breeding pigs	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Weaners	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Fatteners	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Sucklers	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

48. 38. Is all feed always tested for or treated against Salmonella contamination?

	Not tested/treated	Yes, tested	Yes, treated (heat, pressure...)	Not present at farm
• Own feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Purchased feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

49. 39. What is the form of the feed for each production stage? ("No supplemental feed" is an option only for sucklers)

	1	2	3	4	5	6
• Breeding pigs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fatteners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Sucklers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

50. 40. How do you supply the feed per production stage? ("No supplemental feed" is an option only for sucklers)

	Dry	Wet	No supplemental feed	Not applicable	Not present at farm
• Breeding pigs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Weaners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Fatteners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Sucklers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

51. 41. Is all feed and bedding stored protected from wildlife, pets and pests?

Feed:

- Yes, from wild life
- Yes, from pets
- Yes, from pests
- No, not protected

52. Bedding:

- Yes, from wild life
- Yes, from pets
- Yes, from pests
- No, not protected

53. 42. Do the feeding storage and feeding pipelines get cleaned at least once a year?

- | | 1 | 2 | 3 |
|---------------------|-----------------------|-----------------------|-----------------------|
| • Feeding storage | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Feeding pipelines | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

54. 42o. Does the feeding storage get cleaned at least once a year?

- | | 1 | 2 | 3 |
|---|-----------------------|-----------------------|-----------------------|
| • | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

55. 43. Is the feed acidified? ("No supplemental feed" is only an option for sucklers)

- | | 1 | 2 | 3 | 4 | 5 |
|------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| • Breedings pigs | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Weaners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Fatteners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Sucklers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

56. 44. Are sucklers transferred between sows (cross-fostering)?

- | | |
|-------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |

57. 45. Are individual piglets sometimes cross-fostered more than once?

- | | |
|-------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |

58. 46. Does cross-fostering sometimes occur 4 or more days after farrowing?

- | | |
|-------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |

60. 47. Are weaners kept routinely in the farrowing room for some days/weeks?

- | | |
|------------------------------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |
| • Does not apply at the farm | <input type="radio"/> |

61. 47o. Are weaners kept routinely adjacent to farrowing sows and piglets for some days/weeks?

- | | |
|------------------------------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |
| • Does not apply at the farm | <input type="radio"/> |

62. 48. Are individual weaners or fatteners occasional moved to another pen, containing another group of animals of the same age?

- | | 1 | 2 | 3 |
|-------------|-----------------------|-----------------------|-----------------------|
| • Weaners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Fatteners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

63. 48o. Are individual weaners or fatteners occasional moved to another outdoor enclosure section, containing another group of animals of the same age?

- | | 1 | 2 | 3 |
|-------------|-----------------------|-----------------------|-----------------------|
| • Weaners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Fatteners | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

64. 49. Are stay-behinds and sick animals always isolated from the healthy ones (in physically separated hospital area/or by euthanasia)?

- | | Yes | No | Not applicable |
|----------------|-----------------------|-----------------------|-----------------------|
| • Sick animals | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Stay behinds | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

65. 50. Are sick pigs consistently handled after the healthy pigs?

- | | |
|-------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |

66. 51. Is the anteroom/hygiene lock and its equipment cleaned and disinfected at least every 2 weeks?

- | | Yes | No | Not applicable |
|-------------------------|-----------------------|-----------------------|-----------------------|
| • Floor cleaned | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Floor disinfected | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Equipment cleaned | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Equipment disinfected | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

67. 52. Is dung from the sows held in farrowing pens removed daily?

- | | |
|-------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |

68. 52o. Is dung from the sows held in farrowing huts removed daily?

- | | |
|---------------------|-----------------------|
| • Yes | <input type="radio"/> |
| • No | <input type="radio"/> |
| • No farrowing area | <input type="radio"/> |

69. 53. Are barn sections always managed all-in/all-out?

- | | Yes | No | Not present |
|-------------------|-----------------------|-----------------------|-----------------------|
| • Breeding area | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Farrowing area | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Weaning area | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Fattening | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| • Quarantine area | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

70. 53o. Are outdoor enclosure sections always managed all-in/all-out?

	Yes	No	Not present
• Breeding area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Farrowing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaning area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fattening area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Quarantine area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

71. 54. Is the floor in each barn section and anteroom/hygiene lock everywhere even and without damages and thereby easy to clean and to disinfect?

	Yes	No
• Anterooms or hygiene locks	<input type="radio"/>	<input type="radio"/>
• Barn sections	<input type="radio"/>	<input type="radio"/>

72. 54o. Is the floor in the changing room everywhere even and without damages and easy to clean and to disinfect?

• Yes	<input type="radio"/>
• No	<input type="radio"/>

73. 55. Which of the following steps are included in your standard cleaning & disinfection procedures in the barns between batches? (let the farmer describe before reading categories)

	No cleaning, no disinfection	Dry cleaning	Wet cleaning - Soap cleaning	Wet cleaning - Detergent	Drying time (until area is completely dry)	Down time (at least 3 days)	Disinfection	Efficacy checked by hygienogram (bacterial growth test)	Not present at farm
• Breeding area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Farrowing area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Weaning area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Fattening area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Quarantine area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

74. 55o. Which of the following steps are included in your standard cleaning & disinfection procedures for the outdoor equipment (huts, troughs, etc.) between batches and between movement to new land? (let the farmer describe before reading categories)

	No cleaning and disinfection	Dry cleaning	Wet cleaning with soap	Wet cleaning with disinfectant	Drying time (until area is completely clean)	Disinfection (at least 3 days)	Down time checked by hygienogram (bacterial growth test)	Not present at farm
• Between batches - Breeding area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Between batches - Farrowing area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Between batches - Weaning area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Between batches - Fattening area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Between batches - Quarantine area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Before moving to new land - Breeding area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Before moving to new land - Farrowing area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Before moving to new land - Weaning area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Before moving to new land - Fattening area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Before moving to new land - Quarantine area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

75. 56. How long is the minimal empty downtime period of a barn section before new pigs move in?

	1	2	3	4	5
• Breeding area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Farrowing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaning area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fattening area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Quarantine area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

76. 56o. How long is the outdoor enclosure section left empty of pigs before a new batch is moved in?

	1	2	3	4
• Breeding area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Farrowing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaning area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fattening area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Quarantine area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

77. 57. Are corridors within barns always cleaned and disinfected, before other pigs are moved via those corridors?

- No
- Yes, cleaned
- Yes, disinfected

78. 58. What kind of flooring system is in the barn sections per age group?

	Solid	Partly slatted	Fully slatted	Deep litter	Not present at farm
• Breeding pigs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Sucklers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Weaners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Fatteners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

79. 58o. What kind of flooring system is in the huts per age group?

	Soil	Solid concrete	Added material (e.g. stones, wood, plastic)	Bedding material	Not present at farm
• Breeding pigs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Sucklers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Weaners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Fatteners	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

80. 59. Is the pit below slatted flooring emptied between two batches per production stage?

	Yes	No	No pit present	Not applicable
• Breeding area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Farrowing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaning area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fattening area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Quarantine area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

81. 59o. How is the field typically used between pig holding?

	1	2	3	4	5	6	7
• Breeding area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Farrowing area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Weaning area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Fattening area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
• Quarantine area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

82. 60. Are any equipment (shovel, broom, pig moving board etc.) shared between age groups?

- No
- Yes, without cleaning and disinfection
- Yes, with cleaning
- Yes, with disinfection

83. 61. Are machines and other equipment (e.g. manure trailer, transport vehicle) shared with other farms?

- No
- Yes, without cleaning and disinfection when returned
- Yes, with cleaning when returned
- Yes, with disinfection when returned

84. 62. Are dedicated injection syringes and needles used for each age group (breeding pigs, sucklers, weaners, fatteners)?

- No
- Yes, syringes
- Yes, needles

85. 63. Do you change or clean and disinfect materials/tools (e.g. castration blade, tail-docker, ear-tagger, injection needles) used for treatment of piglets between litters?

- Yes
- No

86. 64. Is the carcass storage closed, so that wildlife, pets and pests don't have access to the carcasses?

- No
- Yes, against wildlife
- Yes, against pets
- Yes, against pests

87. 65. Are disposable gloves worn when manipulating carcasses and/or are hands washed and disinfected after manipulating carcasses?

- No
- Yes, gloves worn
- Yes, hands washed
- Yes, hands disinfected

88. 66. Are mice and rats or signs of their presence (faeces, holes etc.) observed on the farm?

- | | Yes | No |
|--------|-----------------------|-----------------------|
| • Mice | <input type="radio"/> | <input type="radio"/> |
| • Rats | <input type="radio"/> | <input type="radio"/> |

89. 67. Is a pest control program carried out?

- No
- Yes, against rodents
- Yes, against wild birds
- Yes, against insects

90. 68. Is pest control carried out by a professional company?

- No
- Yes, against rodents
- Yes, against wild birds
- Yes, against insects

91. 69. Are rodent baits used in the surroundings of the farm enclosures?

- Yes
- No

93. 70. Do wild birds have access to the barn?

- Yes
- No

94. 71. Do cats and dogs have access to the barn?

- No
- Yes, cats
- Yes, dogs

95. 71o. Do cats and dogs have access to the outdoor enclosure?

- No
- Yes, cats
- Yes, dogs

96. 72. Are there other livestock species present on the farm?

- Yes
- No

97. 73. Which livestock species? (if several, please list them comma-separated)

98. 74. Number of individuals of that livestock species?

99. 75. Are the other species physically separated from the pigs on this farm?

- Yes
- No

100. 76. Optional comment on biosecurity and farm characteristics:

101. Section on farm performance and costs.

**Please use the period of the last three years for the calculation of the averages.
If you are not able to provide an answer, please write "-99".**

102. 77. How many sows do you have?

103. 78. What is the annual replacement rate per year on average (in %)?

104. 79. What is the return to service rate per sows/year on average (in %)?

105. 80. How many litters has a sow per year?

106. 81. What is the average numbers of total born piglets per litter (incl. stillborn and malformed)?

107. 82. What is the number of live born piglets on average per litter per year ?

108. 83. What is the average weight of piglets that are sold (in kg)?

- Sold after end of suckling period:
- Sold after end of weaning period:

109. 83a. Which currency will you use to answer the following questions on costs?

110. 84. What is the average sale price per kg of the piglet per year?

- End of suckling period:
- End of weaning period:

111. 85. What is the average sale price per piglet per year?

- Sold after end of suckling period:
- Sold after end of weaning period:

112. 86. How many piglets are weaned on average per litter?

113. 87. What is the mortality rate during the weaning period per litter per year (in %)?

- Pre weaning mortality:
- Post weaning mortality

114. 88. How many weaners are bought on average per year?

115. 89. What is the average weight of a (purchased or on-site) weaner (in kg)?

- At weaning:
- When leaving the nursery:

116. 90. What is the average price of a (purchased or on-site) weaner? If the farm produces its own weaners, what would be the price?

117. 91. How many batches (fattening) do you produce on average per year (per barn section/pen)?

118. 92. How many weeks does the fattening period last on average?

119. 93. What is the average daily weight gain of the fattening pigs over a year (in g)?

120. 94. What is the average feed conversion rate over a year (kg of feed for 1 kg weight gain)?

121. 95. What is the average price per kg of a slaughter pig?

122. 96. What is the mortality rate (% incl. assisted death) on average during the fattening period?

123. 97. What are the annual feed costs for the pigs (national currency and incl. VAT)? (please use -99 if you do not have this production stage)

- Breeding pigs (own feed)
- Sucklers (own feed)
- Weaners (own feed)
- Fatteners (own feed)
- Breeding pigs (purchased feed)
- Sucklers (purchased feed)
- Weaners (purchased feed)
- Fatteners (purchased feed)

124. 98. What is the price for full immunisation per pathogen per age group (incl. VAT)? ("I do not vaccinate my pigs" = -98, "I do not know" = -99, "I do not have this production stage" = -100)

- Salmonella - Breeding pigs
- Salmonella - Sucklers
- Salmonella - Weaners
- Salmonella - Fatteners

125. 99. What are the average annual costs of veterinary care (in the respective national currency and incl. VAT)? If the farmer is a combined enterprise please distinguish between fattening and breeding.

- Fattening: Medication i.e. antibiotics and other pharmaceuticals (per year):
- Fattening: Prevention i.e. Vaccinations and Consultancy (per year):
- Breeding: Medication i.e. antibiotics and other pharmaceuticals (per year):
- Breeding: Prevention i.e. Vaccinations and Consultancy (per year):
- Weaning: Medication i.e. antibiotics and other pharmaceuticals (per year):
- Weaning: Prevention i.e. Vaccinations and Consultancy (per year):

126. 100. Optional comment on performance: