4 pigs:
- 1 neutered Duroc, 6-8 months old
- 3 breeding Mangalitza: 2 F and 1 M (B1)
- No acquisition of new Mangalitza since 2000

Since 2008: Low reproduction success, lameness and occasional mortality

- Serology: 4/4
- Culture: 1/4 (B1: B. suis 2 isolated from various organs)
- qPCR: 1/4 (B1)
- Macroscopic lesions: 0/4

Duroc juveniles regularly sold for fattening

Unknown farms

- 45 pigs: fattening + breeding Mangalitza, incl. 17 newborns
- Start in 2001, all pigs of Swiss origin; continuous increase of piglet number until 2007
- 3-wires electrified fence
- Hybrid births wild boar x Mangalitza in 2004
- B1 never in contact with B2

- 2008-2009: Sudden decrease of piglet number (from 80 to < 30) despite same number of breeding adults → breeding boar (B1) infertile? → acquisition of boar B2
- September 2009: Death of B2 → B. suis isolated in epididymidis

- Serology: 16/21 (76,2%)
- Culture: 5/16 (31.25%)
- qPCR: 6/16 (37.5%)
- Macroscopic lesions: 5/16 (31.3%)

March 2009: selling B2

P5

Hobby farm

- 3 pigs: breeding Mangalitza (excl. B2)

- 11 pigs: 6 fattening or breeding Mangalitza + 5 pigs from P5
- Serology:
  - 0/6 pigs from this farm
  - 3/5 fattening pigs from P5
- Culture: 0/5
- qPCR: 1/5 (fattening pig, bladder tissue)
- Macroscopic lesions: 0/5

P13

Wild boar intrusions? (never observed)

Surrounding forest

- Dense wild boar population
- 6.7% of wild boar shedding B. suis 2 in urine
- 25.0% of adult wild boar with B. suis 2 in genital organs

Occasional escapes of pigs into the forest

Wild boar intrusion?

Since 2005: regular exchanges of sows

Since 2005: regular exchanges of B1, last time in 2009, one week after arrival of B2 in P5

B1

P12

B2

P13

August 2009: selling 5 fattening pigs

March 2009: selling B2

Dense wild boar population

6.7% of wild boar shedding B. suis 2 in urine

25.0% of adult wild boar with B. suis 2 in genital organs

Occasional escapes of pigs into the forest

Wild boar intrusion?