

# Pig Welfare in Slovenia

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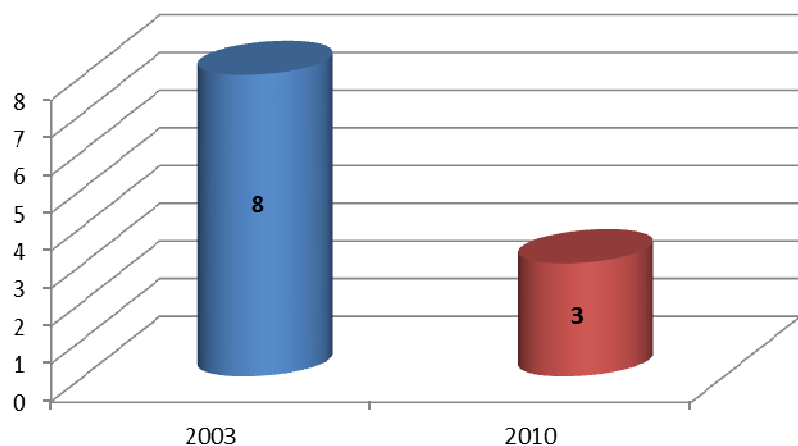
**dr. Stane Košorok**

**Terme Tuhelj, 28.2.2014**

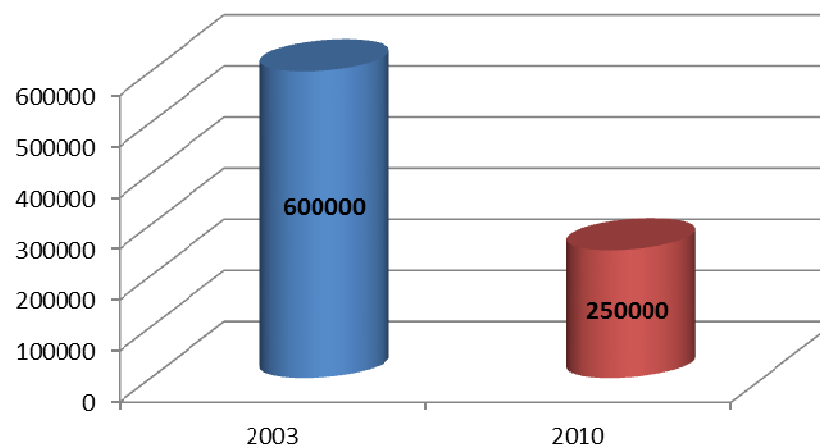


# Pig figures, Slovenia 2003 - 2010

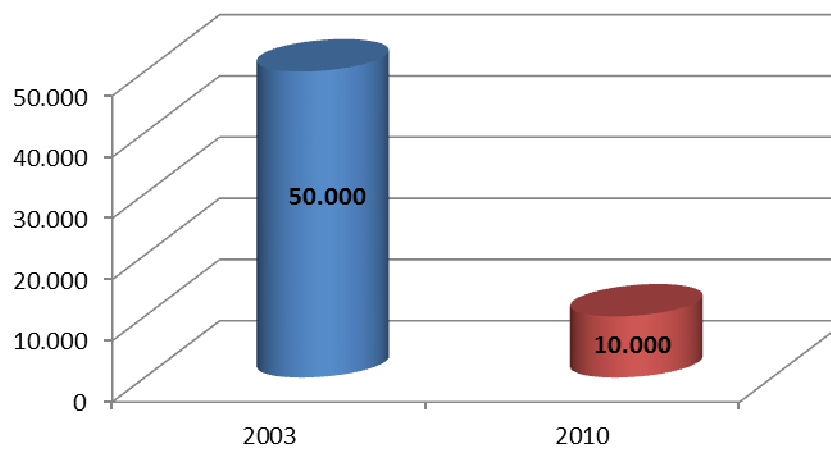
### Large scale pig units



### Pigs slaughtered



### Sow number



# Large scale pig units

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# Sow productivity comparison

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	<b>EU</b>	<b>AT</b>	<b>DK</b>	<b>Farm Ihan 2013</b>
Weaned/sow/year	<b>24,30</b>	<b>22,76</b>	<b>27,45</b>	<b>30,50</b>
Growers/sow/year	<b>23,70</b>	<b>22,19</b>	<b>26,73</b>	<b>29,30</b>
Slaugtered/sow/year	<b>23,00</b>	<b>21,70</b>	<b>25,63</b>	<b>25,54</b>
Litters/sow/year	<b>2,28</b>	<b>2,27</b>	<b>2,25</b>	<b>2,33</b>
Liveborn/sow/litter	<b>12,30</b>	<b>11,50</b>	<b>14,19</b>	<b>14,95</b>

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Source: BPEX 2010

# Reproduction units

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# Gestation units

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# Farrowing units



# Farrowing units

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# Tail cutting, teeth grinding ...

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# Procedure, outcome ...

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# Nursery

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# Flank biting, tail biting

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# Ear biting, ear tip necrosis

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# Pig aggression

**Complex  
polifactorial  
problem!**

**Pigs do not feel well due to:**

- Overcrowding,
- Feeder places,
- Sick pigs in pens,
- Boredom,
- Inadequate ventilation:
  - Fan position,
  - Draughts

**Table 1. Tail biting checklist: Main areas to be examined when tail biting occurs, based on personal findings.**

Areas of attention	Importance rating
Overstocking	60%
Ventilation	- Inadequate 50%
	- Wrongly positioned 50%
	- Gases (CO <sub>2</sub> , NH <sub>3</sub> ) 15%
	- Low speed cold draughts at night 40%
Badly placed pen furniture causing aggression	10%*
Uneven mixing	18%*
Pigs moved off bedding (straw) to solid floors/slats	20%
Poor trough design; inadequate feeder space	15%*
Sick pigs not removed promptly	60%
Genetics (tendency to lose docility?)	15%*
Nutrition	- Salt 20%**
	- Diets which pigs dislike 15%***
Water inadequacy (all types – including fouled drinkers)	20%*
Boredom	50%

\* These cases/incidences, are more important than the rankings indicate.

\*\* Salt is strange. While the salt levels in tail bitten pigs' diets are found to be adequate (0.4%), raising the level to 0.8% with plenty of water does help cure outbreaks. But why? Could it be the presence of other unpalatable ingredients masked by an increase in salt?

\*\*\* Includes sudden changes, and/or mycotoxin presence.

*Source: Analyses of 283 outbreaks 1961-2008 (25% over the past ten years).*

# Pig toys

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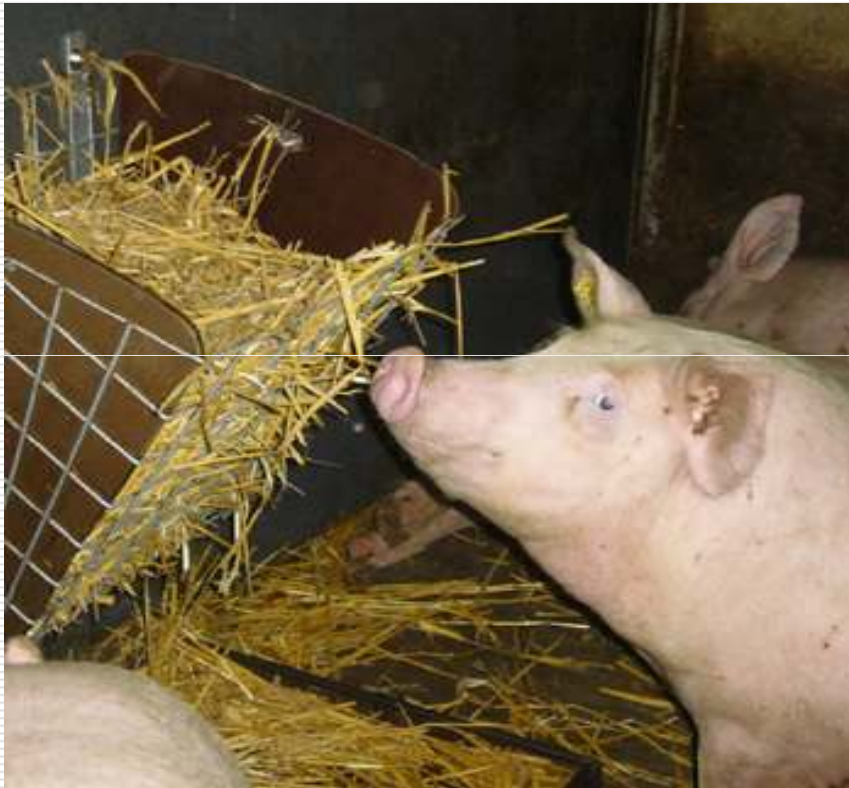


# Pig toys





# Pig toys



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Thanks!

