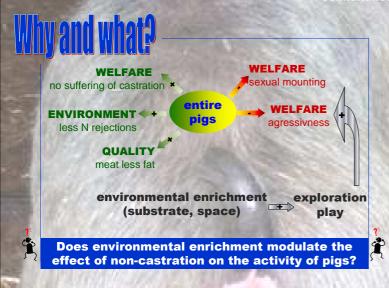
REARING ENTIRE MALE PIGS:

CONSEQUENCES OF ENRICHING THE ENVIRONMENT ON THE SOCIAL ACTIVITY

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groups of 10 males (from 3 to 5 mo of age) entires Sex: castrates* castrates* slatted slatted enriched enriched continuous sampling - 3h/mo agonistic non agonistic mounting total social interactions *for 4 groups)* – 3 times/month

ENTIRE MALES

no effect

behaviours on skin lesions source of injuries at negative for welfare high rates according to the nature of agonistic behaviours: biting induce injuries, threat or pushing do not

low ∅ of agonistic

 no main problems with rearing entire males nature of agonistic behaviour to be investigated

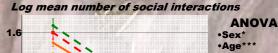
ENVIRONMENTAL ENRICHMENT

 agonistic behaviours of castrates

no effect on behaviour of entire males **S** skin lesions

- interactions independent of the environment? - other enrichment?

1.TOTAL SOCIAL INTERACTIONS AND AGONISITC INTERACTIONS



·sex x age •sex x envir* 1.2 0.8 3 month 4 month 5 month

Log mean number of agonistic interactions ANOVA ·Sex** •Age*** ·Envir** •sex x age •sex x envir** 0.6 0.2

5 month

Interactions (social and agonistic) decrease to 4 mo of age for castrates and to 5 mo for entire males. Entire ales interact more than castrates before 5 mo. Enrichment of the environment induces a decrease of the interactions only for castrates.

4 month

3 month

3. MASSAGES



The number of massages decreases with age. Entire males give more massages than castrates whatever the age and the environment.

2. SKINS LESIONS

Log total number of lesions ANOVA slatted 20

4 month

·Envir** ·Age** ·Sex x envi ·Envir x age enriched sex

The number of lesions decreases with the age. It is higher on slatted floor than on enriched environment.

*: p<0.05 **:p<0.01 ***:p<0.001

castrates - slatted entires - slatted

3 month

- castrates - enriched

5 month

··· • · · entires - enriched



