Stiftung Tierärztliche Hochschule Hannover
University of Veterinary Medicine Hannover, Foundation

Latest results of the 6-R project:

Impact of rye based diets on the behavioral pattern

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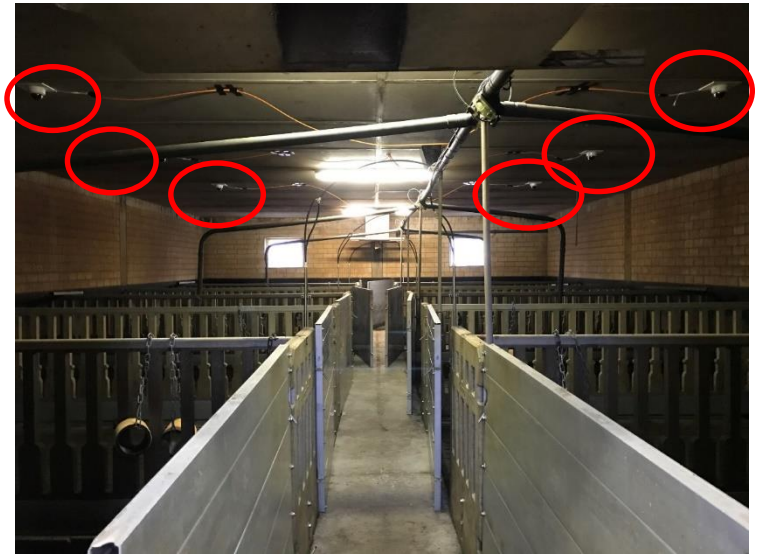
International Rye Feed Research Meeting

25.02.2021

https://www.landvolk-emsland.de/schweine/
https://www.herrnmuehle.com/getreidekunde/

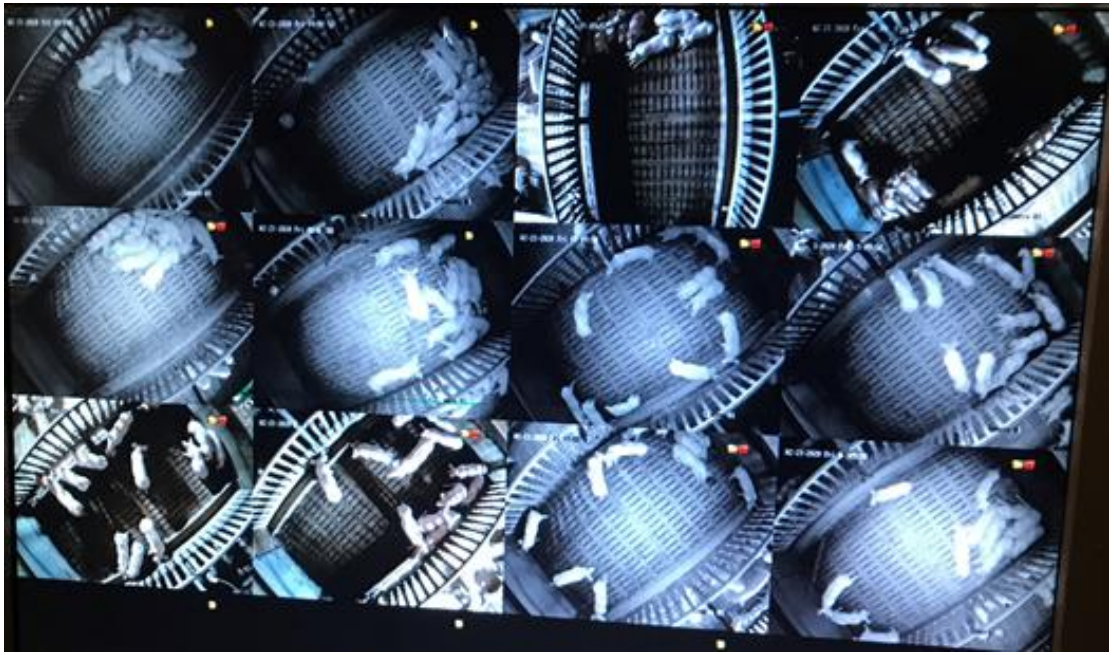
wheat vs. rye
focus: behavior

- Two stable equipped with camers
  - cameras over 12 boxes with 12 boars each (n=144)
- Two feeding groups (wheat vs. rye)
  - rye: **40 %** beginning / **50 %** middle / **70 %** end of fattening period
- Video recording over the entire fattening period
- Evaluation of movement of the animals via program / algorithm



wheat vs. rye
focus: behavior

- Surveys and sampling during trials
  - Feces sampling for skatole analysis
  - Scoring of the animals according to KTBL guidelines
  - Measurement of air quality ($C0_2$, NH_3, O_2)
  - Sampling of neck-fat at the slaughterhouse (skatole/fatty acids)



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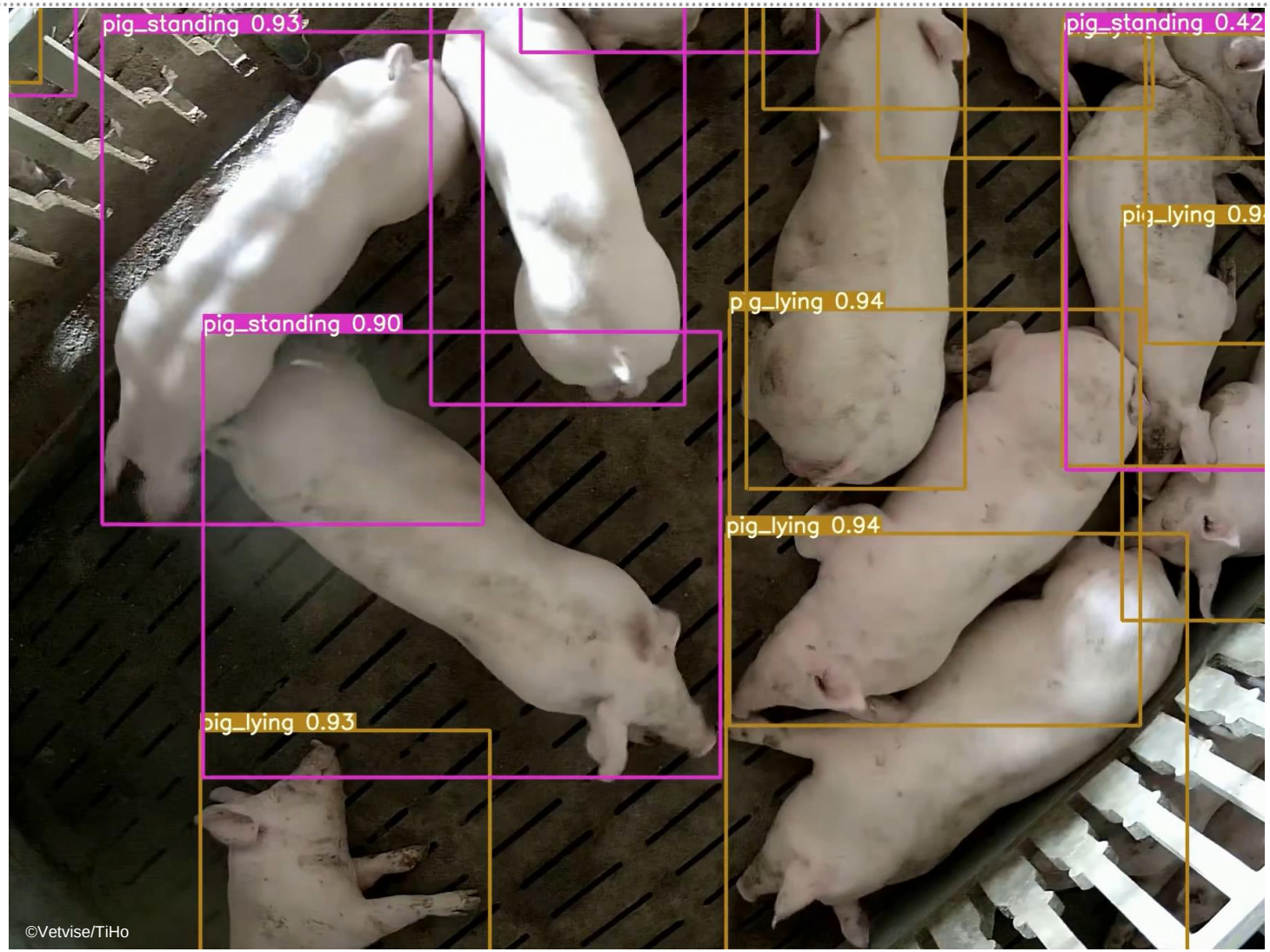

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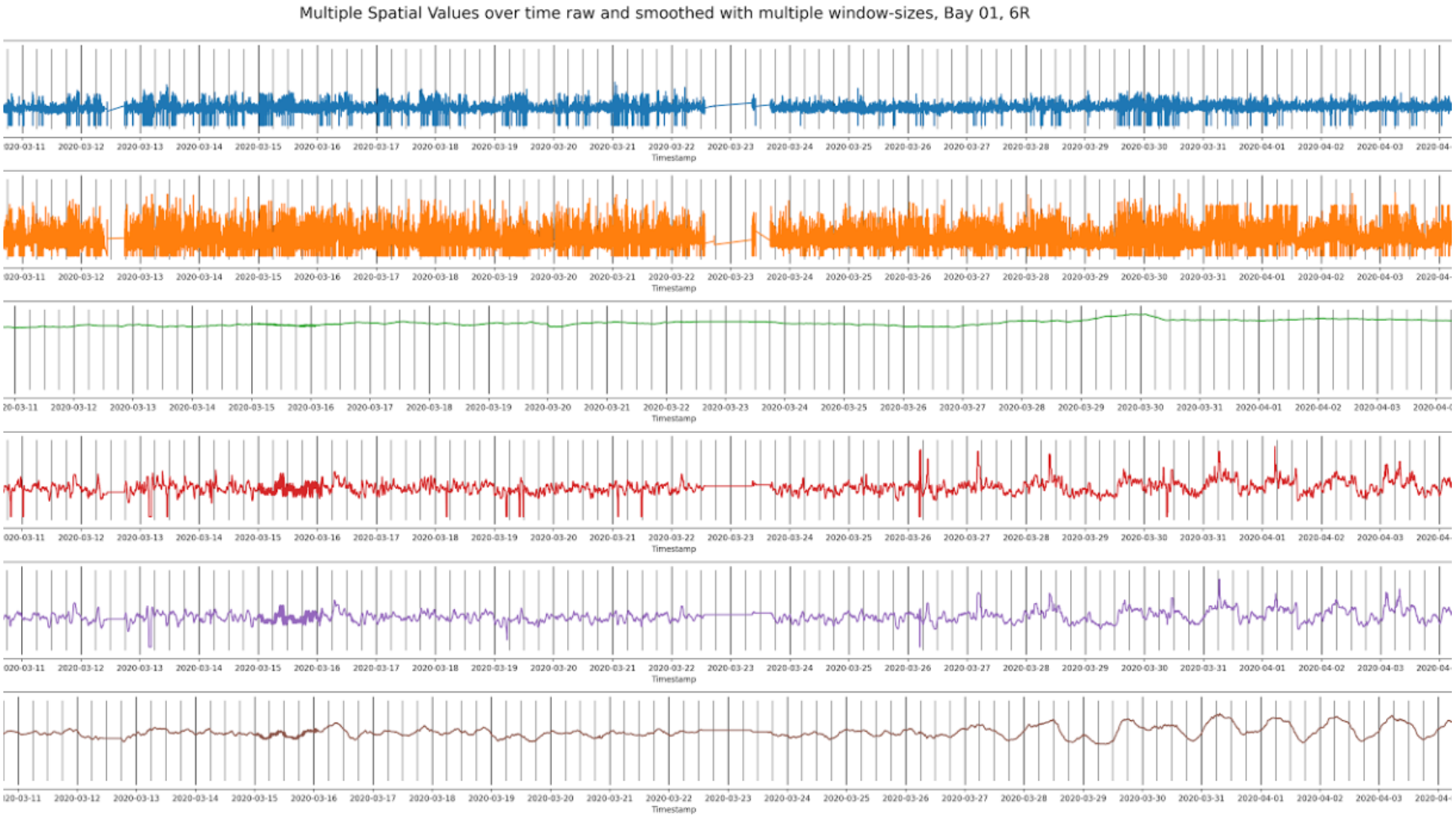
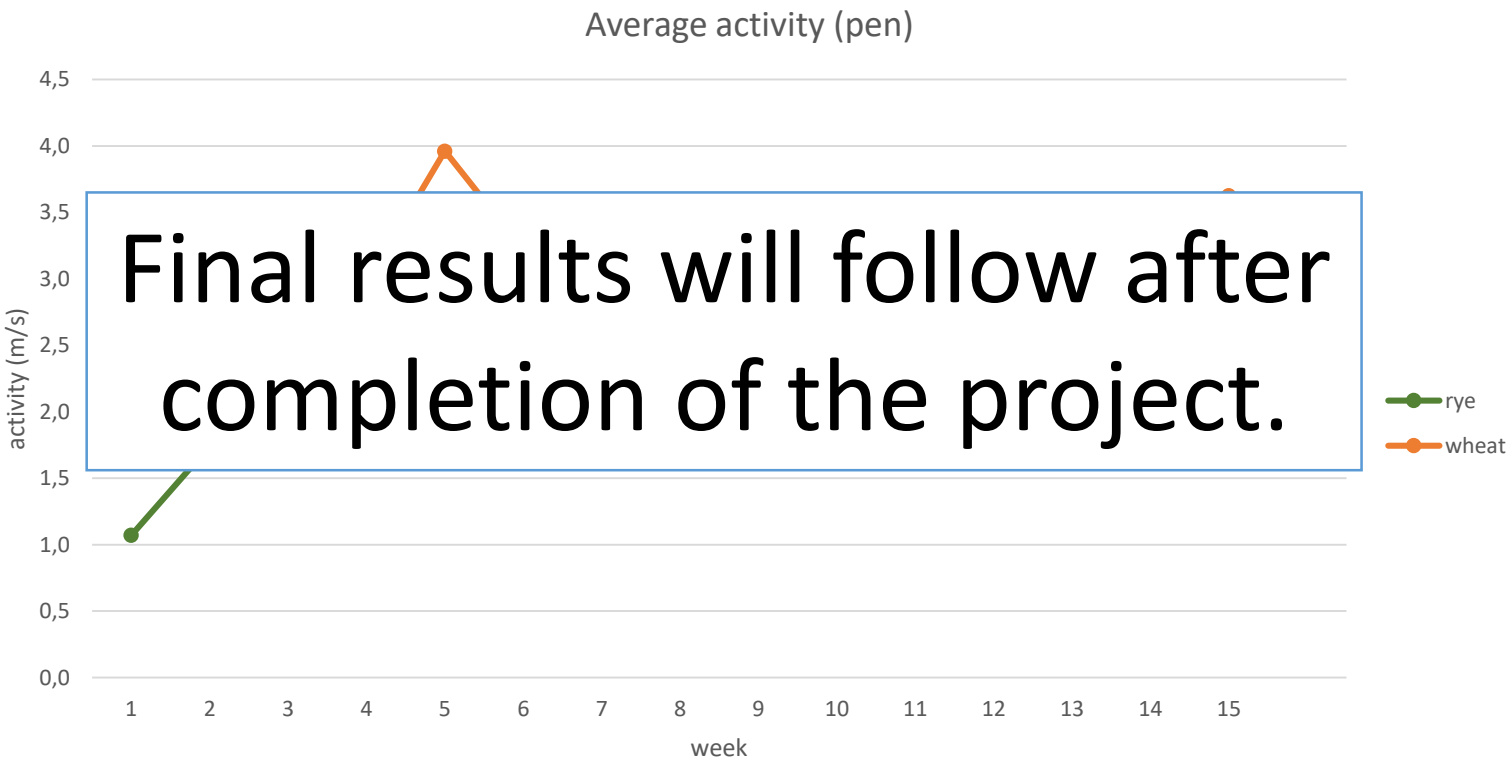


wheat vs. rye
focus: behavior

PRELIMINARY results

Activity corresponds to changes in the position of the animals, or the position of the centre of the boxes seen on the pigs, within a pen (centroid-based animal activity).



Final results will follow after completion of the project.

Thank you for your attention!

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Federal Office for Agriculture and Food

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Projektträger Bundesanstalt für Landwirtschaft und Ernährung