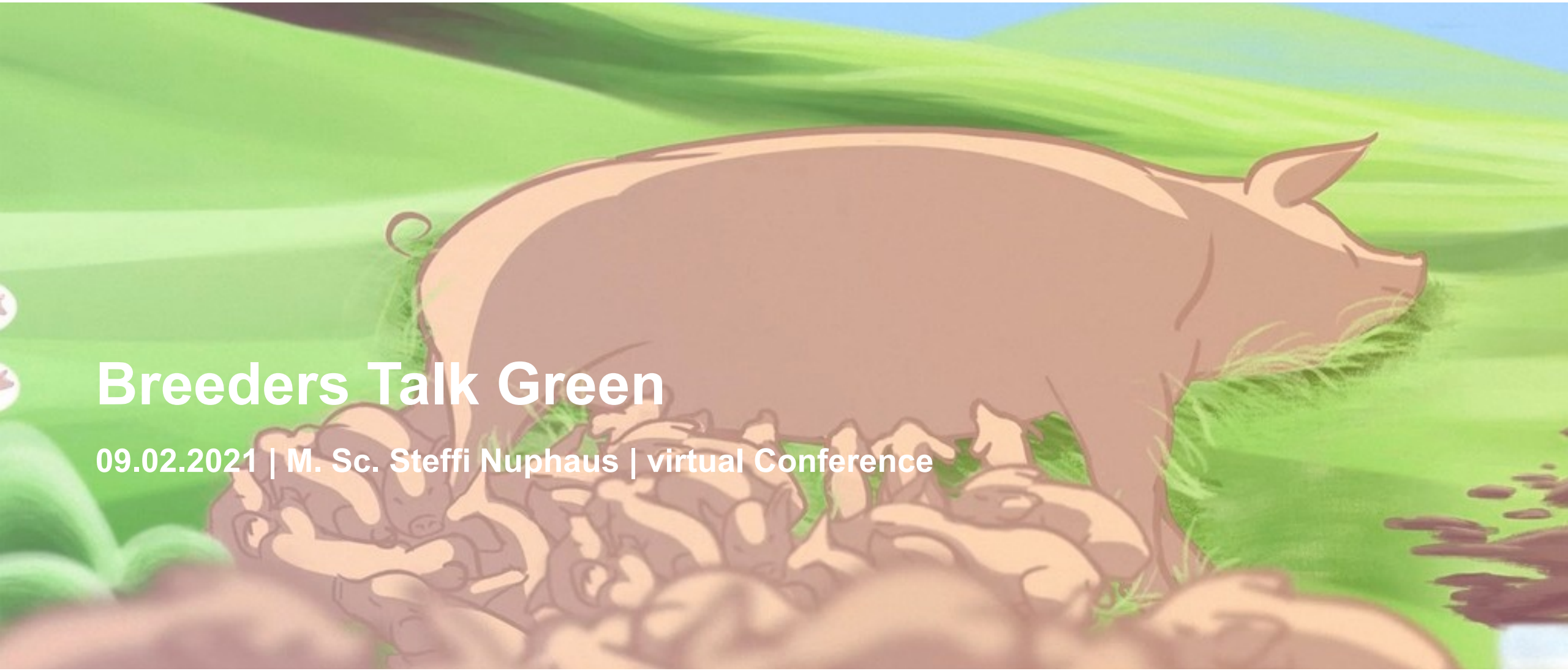


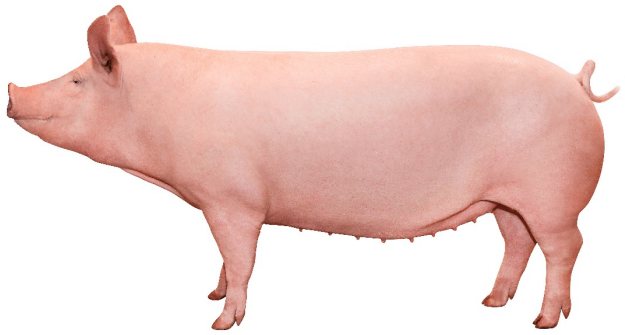
Breeders Talk Green

09.02.2021 | M. Sc. Steffi Nuphaus | virtual Conference

Topigs Norsvin

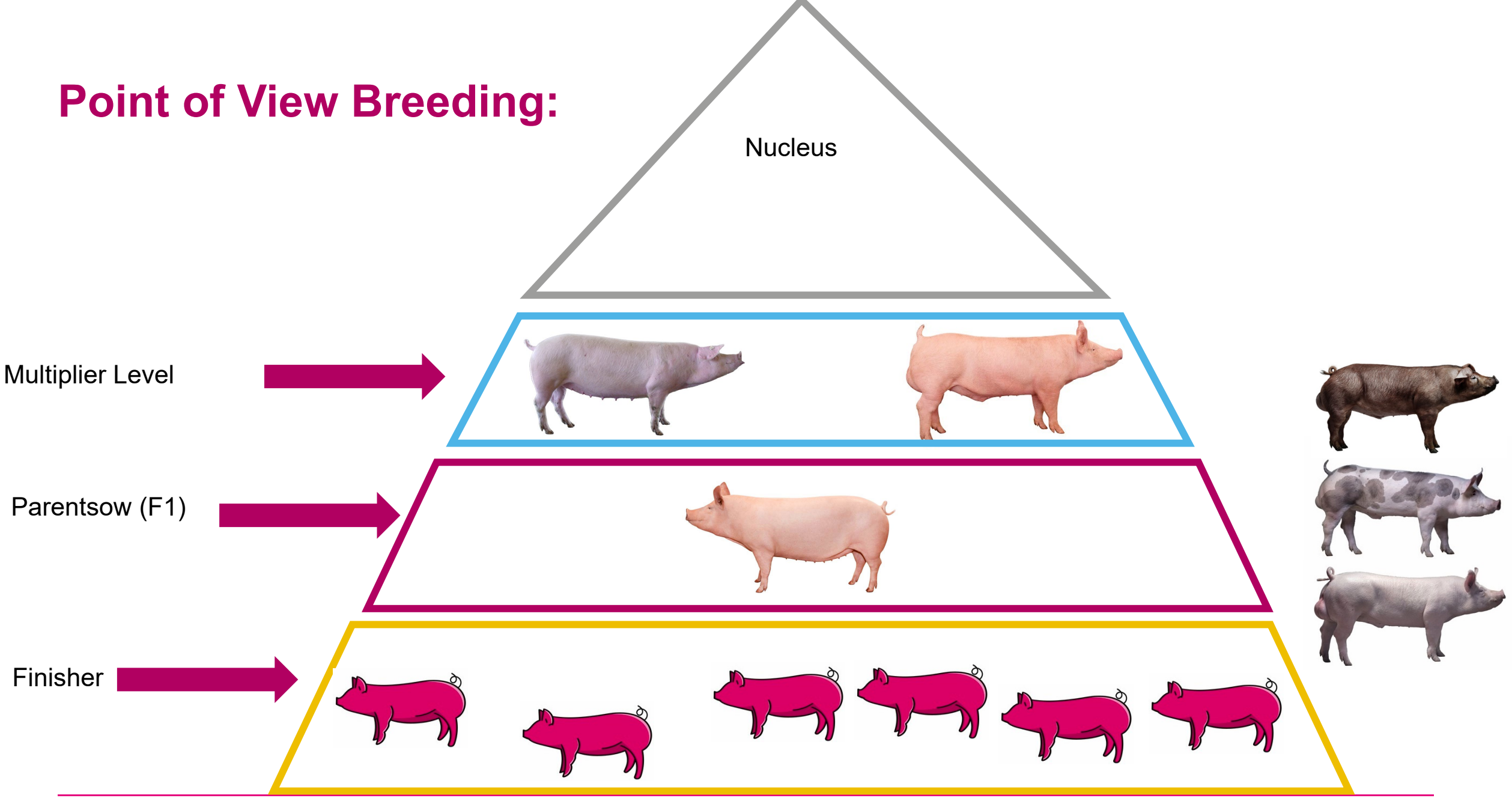
Disclaimer

The data (hereinafter: information) that Topigs Norsvin makes available or supplies to you is for informational purposes only. The information has been drawn up by Topigs Norsvin with care but without warranty as to its correctness, its completeness, its suitability or the outcome of its use. Nor does Topigs Norsvin warrant that intellectual property rights of third parties are not infringed by publication of the information. The information is not intended to be a personal advice to you. The information is based on general circumstances and not based on your personal circumstances. It is your own responsibility to check whether the information is suitable for your activities. Use of the information by you is entirely your own responsibility. The outcome of that use will depend on your personal circumstances. To the fullest extent permitted by applicable law Topigs Norsvin rejects any liability to you for losses of any kind (including direct, indirect, consequential, special and punitive damages) resulting from you using the information or from relying on the correctness, the completeness or the suitability of the information.



Topigs Norsvin

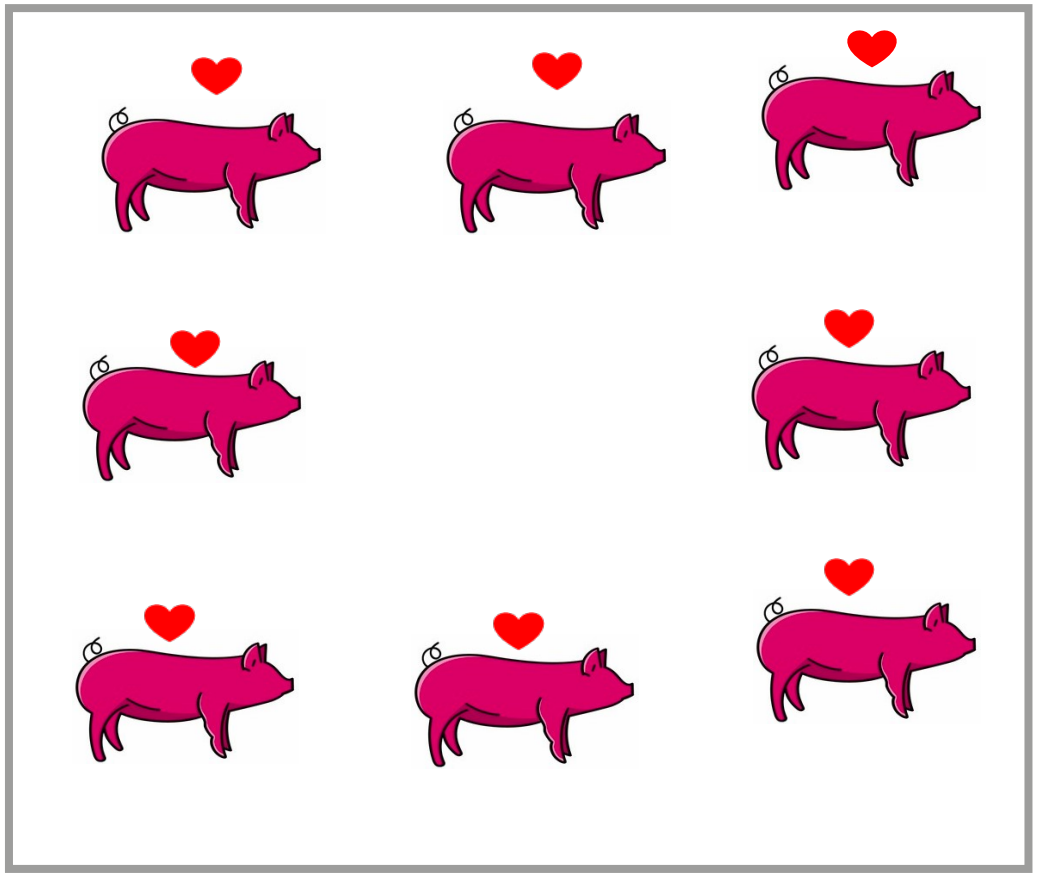
Point of View Breeding:



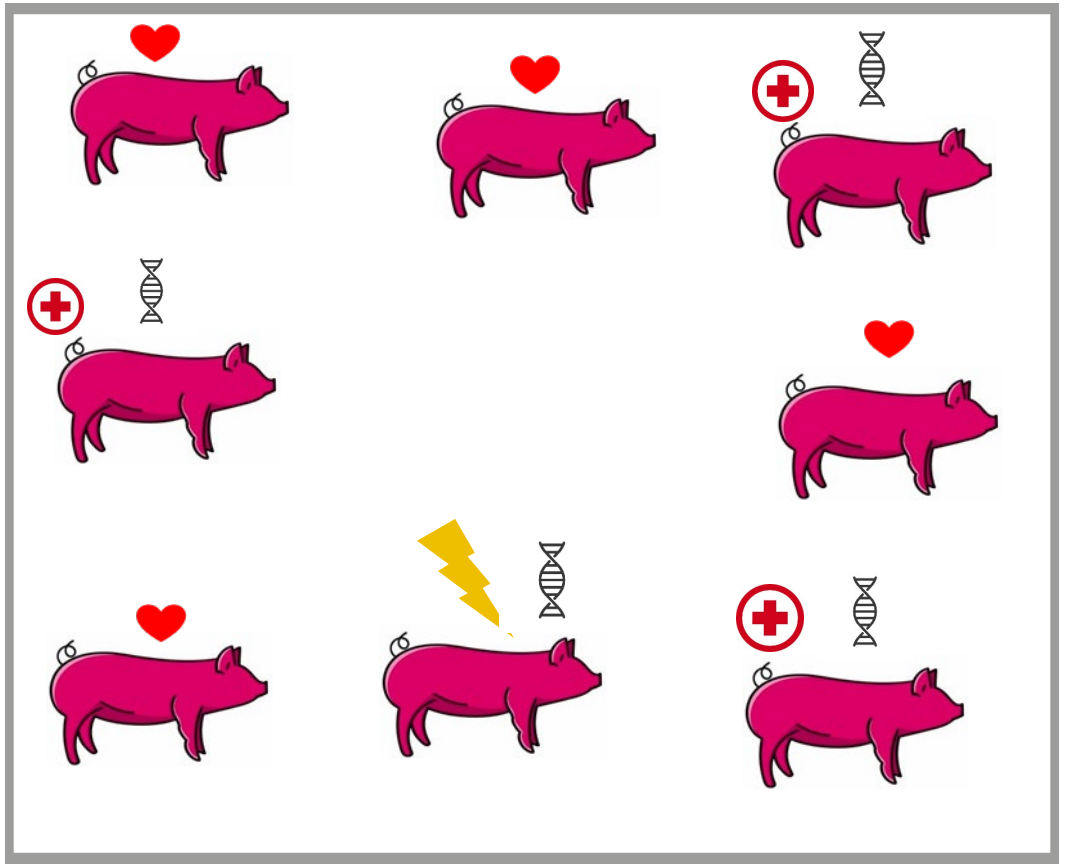
Topigs Norsvin

Parentsow / F1 Selection

The good ones….



The bad ones….



F1 Selection: the Parent Sow

- Selection before sale
- 5% of animals shows a form of damage at day 145 of age

- Genetic modelling
  - Direct
  - Indirect

  - 60,000 animals, 6,000 pens
  - These are the sows for group gestations

Piglets: „From nose to tail“

Necrosis

- No social behavior -> physical reasons BUT
  - It is a damage
  - It causes wounds and pain
  - Can trigger tail and ear biting behavior

Necrosis

- Several Observations on Production and Nucleusfarms:
  - Necrosis Score
    - a few days after Birth
    - at rearing
    - at finishing

3,000 piglets scored in detail

Genetic and environmental variances

Topigs Norsvin

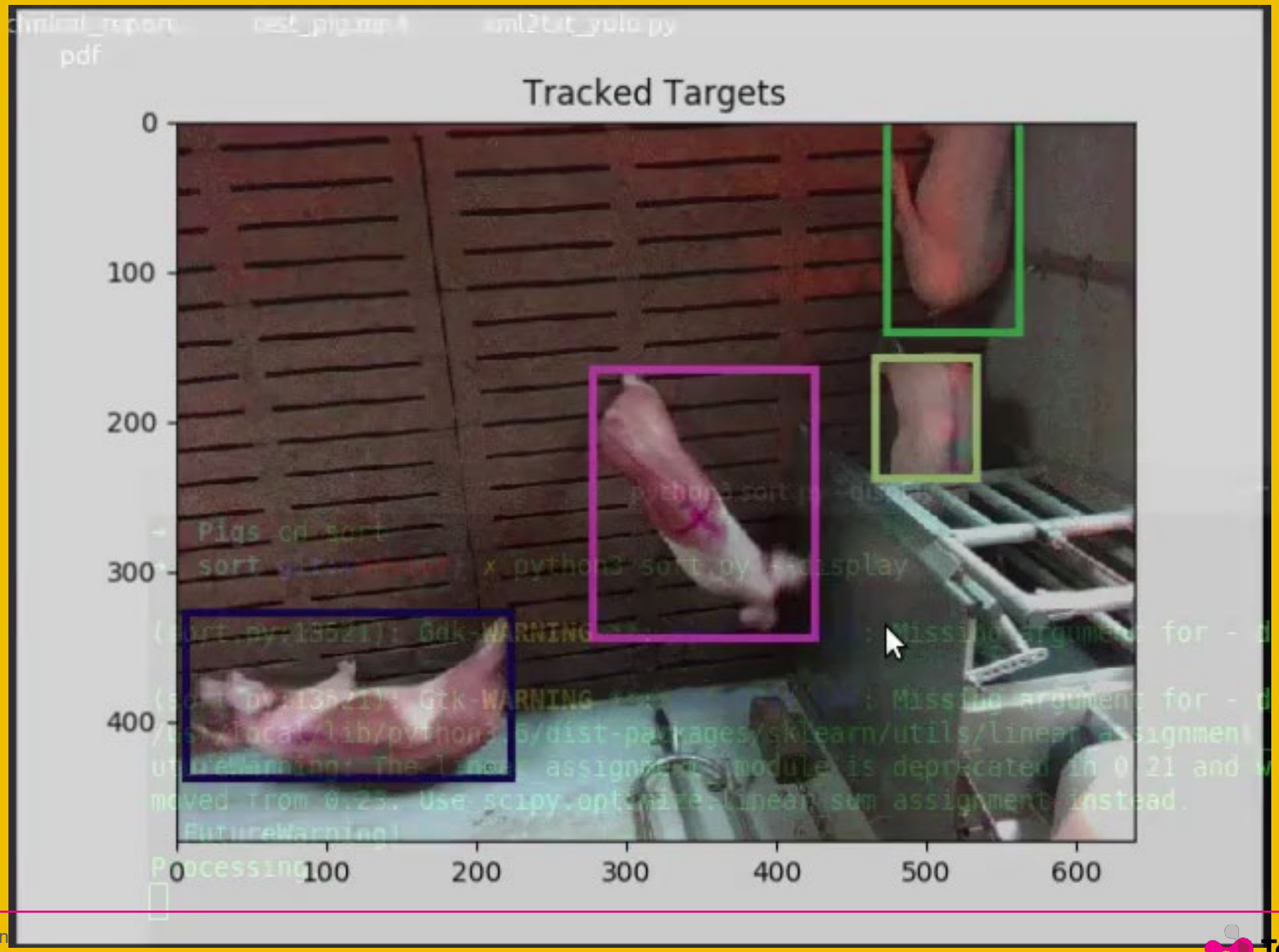
Finisher pigs

Finishing unit

Uni Wageningen IMAGEN and Partner

- Pens with 11 animals
  and IVOG Feeding station
  (individual Feeding Data) and Climate Boxes

- **First Goal:**
  Develop a track and tracing system
  on individual Pig level
- **Second Goal**:
  train a System to measure social behavior



Topigs Norsvin

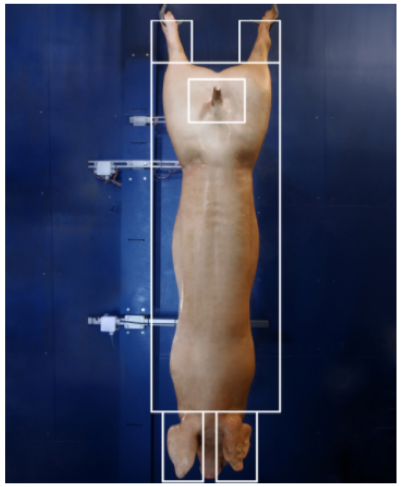
Slaughterplant

Topigs Norsvin

From nose to tail

- Objective evaluation of skin lession and intactness of tail and ears
- Using cameratechnique and artifical intelligence
- Routinely measurements at slaughterline
- Scoringsystem needs to be evaluated
- **Electronic eartag** connect individual slaughterpig and slaughterresults

Automatische Bewertung der Tierqualität bei Schweinen



Komplette Dokumentation von Schlachtschweinen

- ✔ Die Rücken werden automatisch bewertet und in verschiedene individuell einstellbare Qualitätsstufen eingeordnet
- ✔ Hocheffiziente Auswertung mit Datenbankanbindung
- ✔ Aufnahmeeinheit mit Beleuchtung, geschützt für rauhe Umgebung
- ✔ Detaillierte automatische Berichterstellung
- ✔ Autonomes Prüf & Warnsystem auf Systembedingungen
- ✔ Einsortierung in bis zu 5 Qualitätsstufen – individuell einstellbar

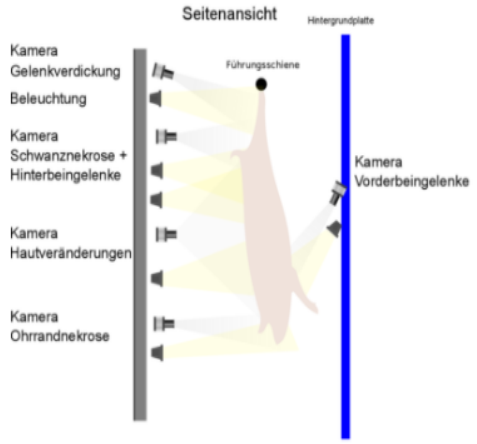
Validierung wisschenschaflich begleitet durch das Institut für Tierhygiene, Tierschutz und Nutztierethologie der Stiftung Tierärztlichen Hochschule Hannover im Rahmen einer durch den QS-Wisschenschaftsfond geförderten Studie.

Eigenschaften

- ✔ Flexibel an Umgebungsbedingungen anpassbar
- ✔ einfach in bestehende Anlagesteuerungen einbindbar
- ✔ Neutrale Bewertung jedes Mästers
- ✔ Sicherung des Tierwohls
- ✔ 100% Kontrolle

Optional

- ✔ Automatische Generierungen der Tagesauswertungen
- ✔ Anbindung der Auswertung auf Tablet/Smartphone

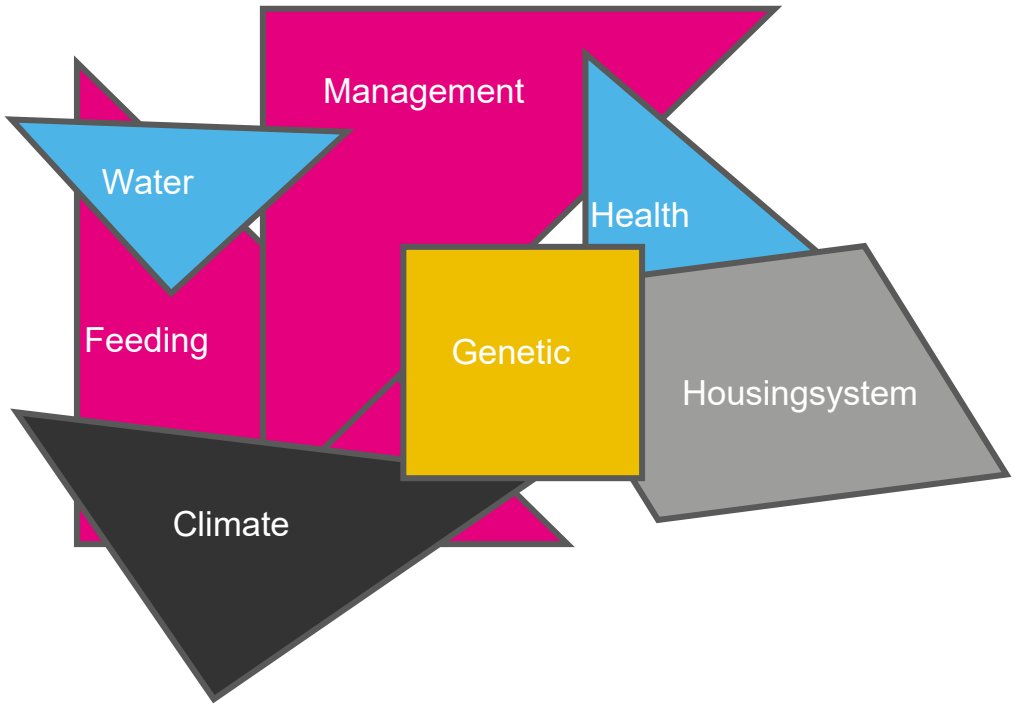


Source: CLK Technik GmbH

Topigs Norsvin

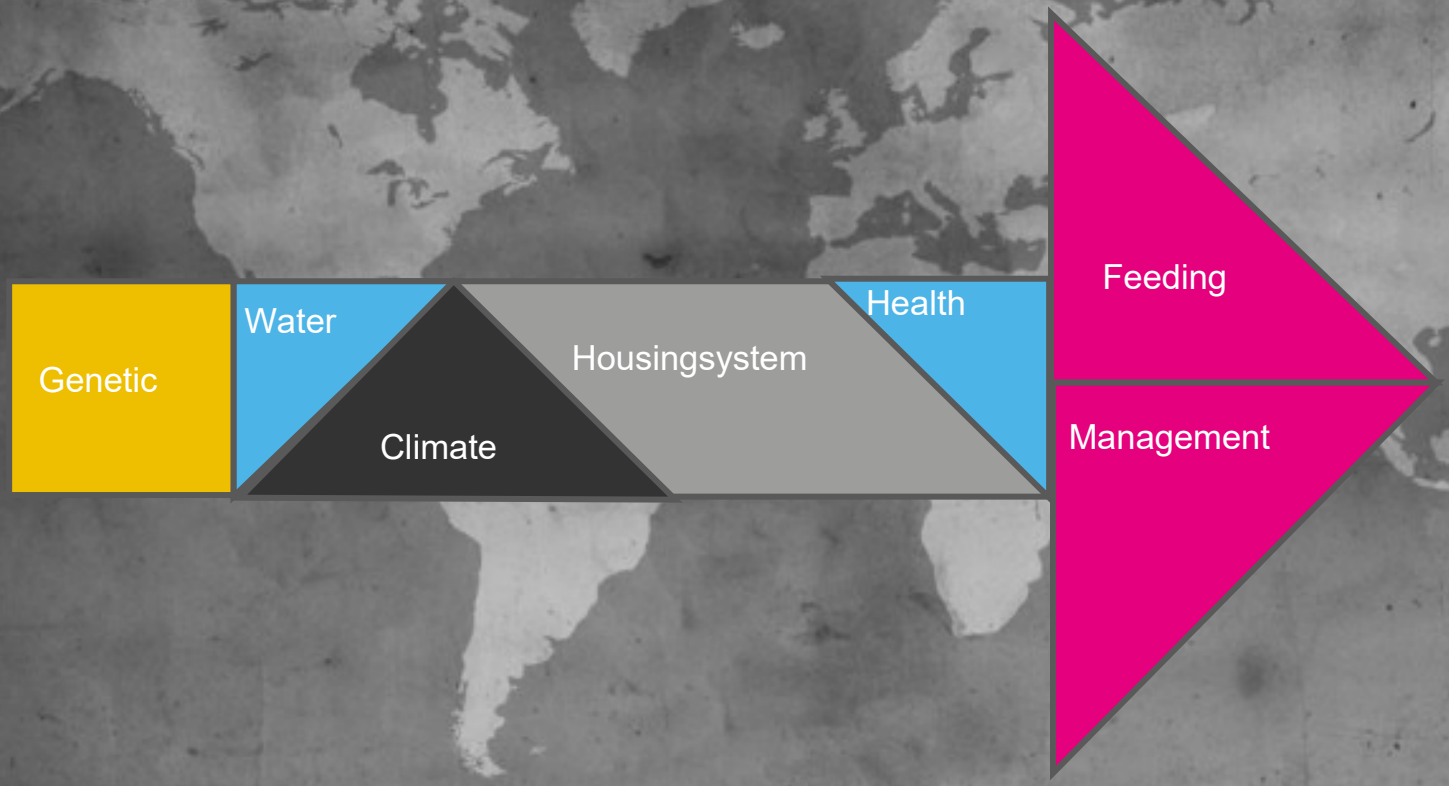
See the whole picture

Multifactorial Puzzle



Topigs Norsvin

Sustainable future



Progress in Pigs. Every day.

Thank you for attending the webinar

If your question wasn't answered during the live event, feel free to contact:

Stephanie Nuphaus

stefanie.nuphaus@topigsnorsvin.de

Topigs Norsvin