From collaboration to implementation

Presentatie AgriFoodTop 2023

Han Swinkels

(Manager)

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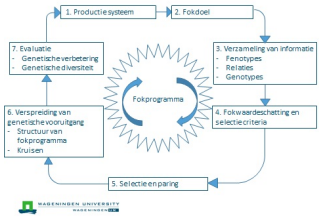
- Leerboek Fokkerij en Genetica
  - Nieuwe editie wordt eind 2023 gepubliceerd (NL/EN) met dank aan TKI A&F (Kennis op Maat)
  - Onderwijsdag docenten HBO en MBO d.d. 5 sep'23
  - https://wiki.groenkennisnet.nl/space/LFH/2490370/Leerboek+Fokkerij+en+Genetica+voor+het+HBO

Definitie: ***het fokken van dieren is*** *het selectief fokken van gedomesticeerde dieren met de intentie om wenselijke (en erfelijke) eigenschappen te verbeteren in de volgende generatie.*



2

Our Mission

- Partnering to develop novel genetics and genomics tools through innovative science, beneficial to the breeding, production and consumption of animal proteins with a strong commitment to responsible stewardship of animal resources.

Our Objectives

- Animal breeding requires high investments in R&D and long-term commitment to meet changing consumer demands to increase efficiency in the food chain, to reduce the ecological foot print, to minimize the use of antibiotics and to contribute to food safety, better health and welfare of livestock.

3

RESPONSIBLE AND BALANCED BREEDING

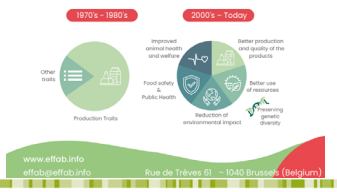
Shaping the Future: Responsible and Balanced Breeding

An **EFFAB** initiative

Responsible and balanced breeding aims to find a sustainable compromise for people, the planet, and farmed animals.

Modern animal breeding programs strive to produce robust and healthy farm animals while minimising environmental impact, ensuring better use of resources, preserving genetic diversity, and enhancing animal welfare.

This is crucial in advancing all animal farming systems, from conventional to organic.



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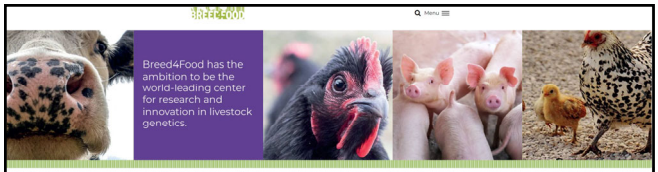

Check out our Research projects

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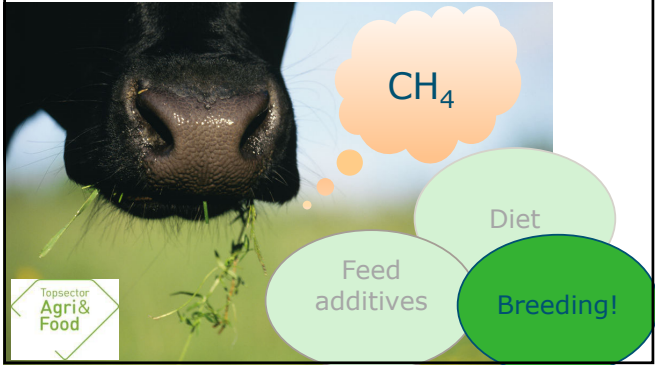
WAGENINGEN UNIVERSITY & RESEARCH

FrieslandCampina

CRV BETTER COWS > BETTER LIFE



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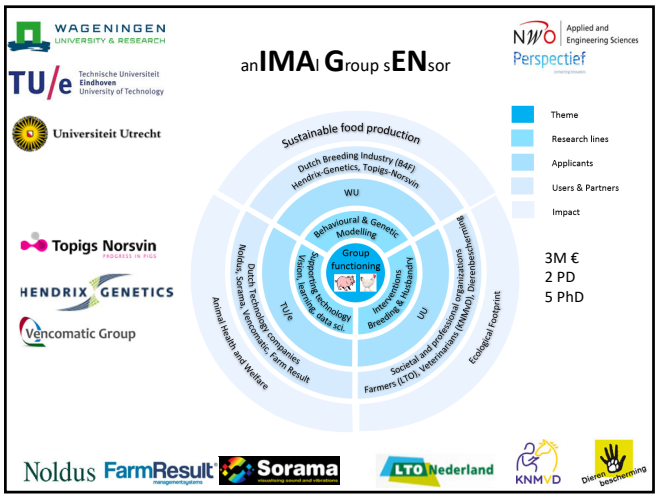
WAGENINGEN UNIVERSITY & RESEARCH
TU/e Technische Universiteit Eindhoven University of Technology
Universiteit Utrecht
Topigs Norsvin
HENDRIX GENETICS
Vencomatic Group
anIMAl Group sENsor
NWO Applied and Engineering Sciences
Perspectief
Sustainable food production
Dutch Breeding Industry (84fr) Hendrix-Genetics, Topigs-Norsvin
WU
Behavioural & Genetic Modelling
Group functioning
Support Technology Vision, baseline, data sci.
TU/e
Interventions Breeding & Husbandry
UU
Societal and professional organizations Farmers (LTO), Veterinarians (KNMVD), Dierenbescherming
Ecological footprint
Animal Health and Welfare
Dutch Technology companies Noldus, Sorama, Vencomatic, Farm Result
Theme
Research lines
Applicants
Users & Partners
Impact
3M €
2 PD
5 PhD
Noldus FarmResult
Sorama
LTO Nederland
KNMVD
Dierenbescherming

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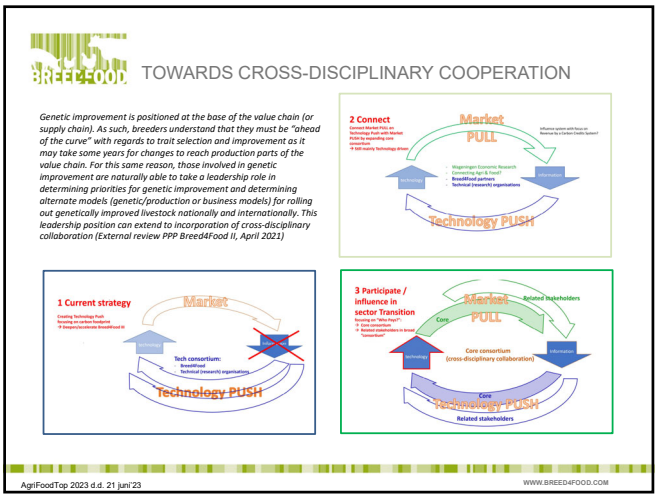
BREED4FOOD
TOWARDS CROSS-DISCIPLINARY COOPERATION
Genetic improvement is positioned at the base of the value chain (or supply chain). As such, breeders understand that they must be "ahead of the curve" with regards to trait selection and improvement as it may take some years for changes to reach production parts of the value chain. For this same reason, those involved in genetic improvement are naturally able to take a leadership role in determining priorities for genetic improvement and determining alternate models (genetic/production or business models) for rolling out genetically improved livestock nationally and internationally. This leadership position can extend to incorporation of cross-disciplinary collaboration (External review PPP Breed4Food II, April 2021)
2 Connect
Market PULL
Technology PUSH
1 Current strategy
Market
Tech consortium:
Technology PUSH
3 Participate / influence in sector Transition
Market PULL
Related stakeholders
Core consortium (cross-disciplinary collaboration)
Technology PUSH
AgriFoodTop 2023 d.d. 21 juni'23
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