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# ATF-FEFAC-H2020 projects Stakeholder event

Afternoon Workshop in Brussels, 18 Nov. 2021



These projects have received funding from the European Union's Horizon 2020 (H2020) Research and Innovation programme under Grant Agreements



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# Feed-a-Gene



Adapting the **feed**, the **animal** and the **feeding techniques**  
to improve the efficiency and sustainability of monogastric livestock production systems

**Sustainable terrestrial livestock production**

(SFS-1-2014; Grant agreement: 633531)

**March 2015 – February 2020**

**Jaap van Milgen (INRAE, France)**



# Objectives

## Feed:

- Develop new local feed resources that are not/less in competition with food
- Improve the nutritional value of feed resources

## Gene:

- Identify novel traits indicative for feed efficiency and robustness
- “Do better with feeds that may be worse”

## Traits, models, and feeding techniques:

- Appreciate variation among animals
- Develop precision feeding techniques
- Evaluate the overall sustainability

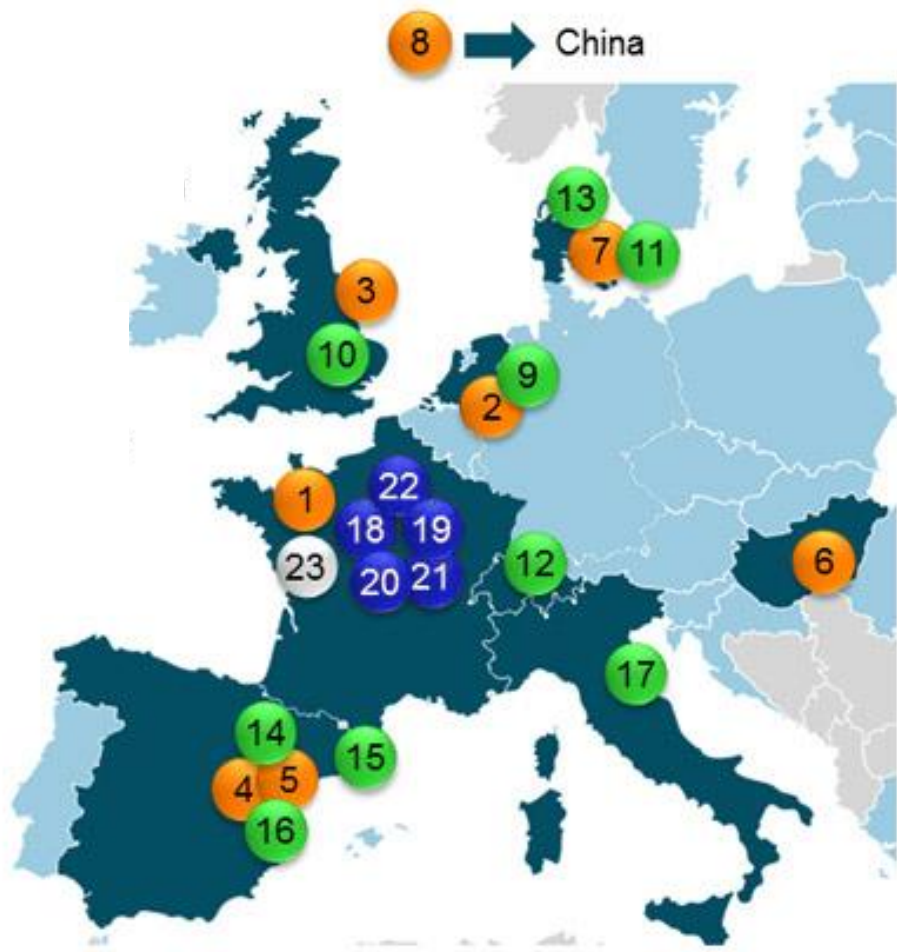


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# Partners



**Research**

Logos of research partners: INRAE (la science pour la vie, l'humain, la terre), WAGENINGEN UNIVERSITY & RESEARCH, AARHUS UNIVERSITY, Newcastle University, KAPOSVÁRI EGYETEM, IRTA, Universitat de Lleida, and CHINA AGRICULTURAL UNIVERSITY.

**Management**

Logo of INRAE > transfert.

**Industry**

Logos of industry partners: HAMLET PROTEIN, DU PONT, Topigs Norsvin, Cobb, BÜHLER, exafan (A Whole Farming World Inside), claitec, Gran Suino italiano (organizzazione interprofessionale), and INCO.

**Extension**

Logos of extension partners: acta (LES INSTITUTS TECHNIQUES AGRICOLES#), Terres Inovia (l'agronomie en mouvement), ITAVI, and ifip (Institut du porc).



# What is in for stakeholders? How are they involved?

Not a game-changer but there are multiple ways to play the game. On protein autonomy:

- European-grown protein sources
- Fractionation technologies
- Animal genetics
- Precision livestock feeding



Multi-disciplinary and multi-actor approach


Communication:

- We do not communicate (enough) about animal production with society
- Perceptions differs depending on how the issue is addressed



# Research and innovation that are needed?

An ever-increasing need for integration:

- Observing variation becomes more accessible
- Indicators: there is no holy grail 
- Open data
- Data-driven versus concept-driven integration?



Seek value in variation:

- Feed (“In Denmark, *you can grow grass, but not soybeans*”, create variation)
- Gene (progress takes time)
- Information-based technologies to manage variation have a great potential and are inevitable. But are we ready for it?

