



# COST Action IPEMA 2016-2020

## Innovative approaches in pork production with entire males and immunocastrates



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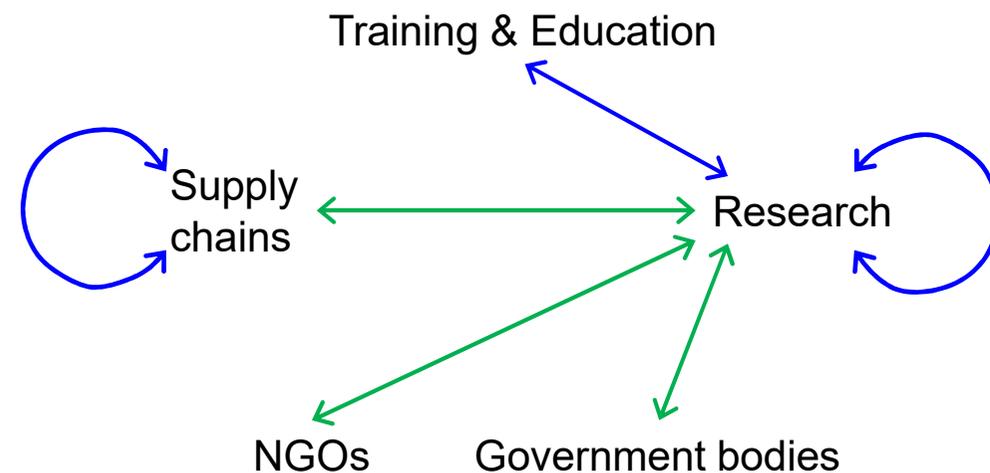
- **Funded by the EU**
- **To facilitate exchanges between people**
  - Scientific community
  - Science and stakeholders
- **Support travel and meeting expenses**
- **Do not support direct research costs**
- **Do not support personnel costs**

- **To find general or region-specific or chain-specific solutions to facilitate the development of alternatives to surgical castration**
  - Entire male production (EM)
  - Immunocastration (IM)
- **We are looking for integrated solutions taking into account**
  - Meat quality (Boar taint AND other meat quality issues)
  - Animal welfare
  - Animal management
  - Economy

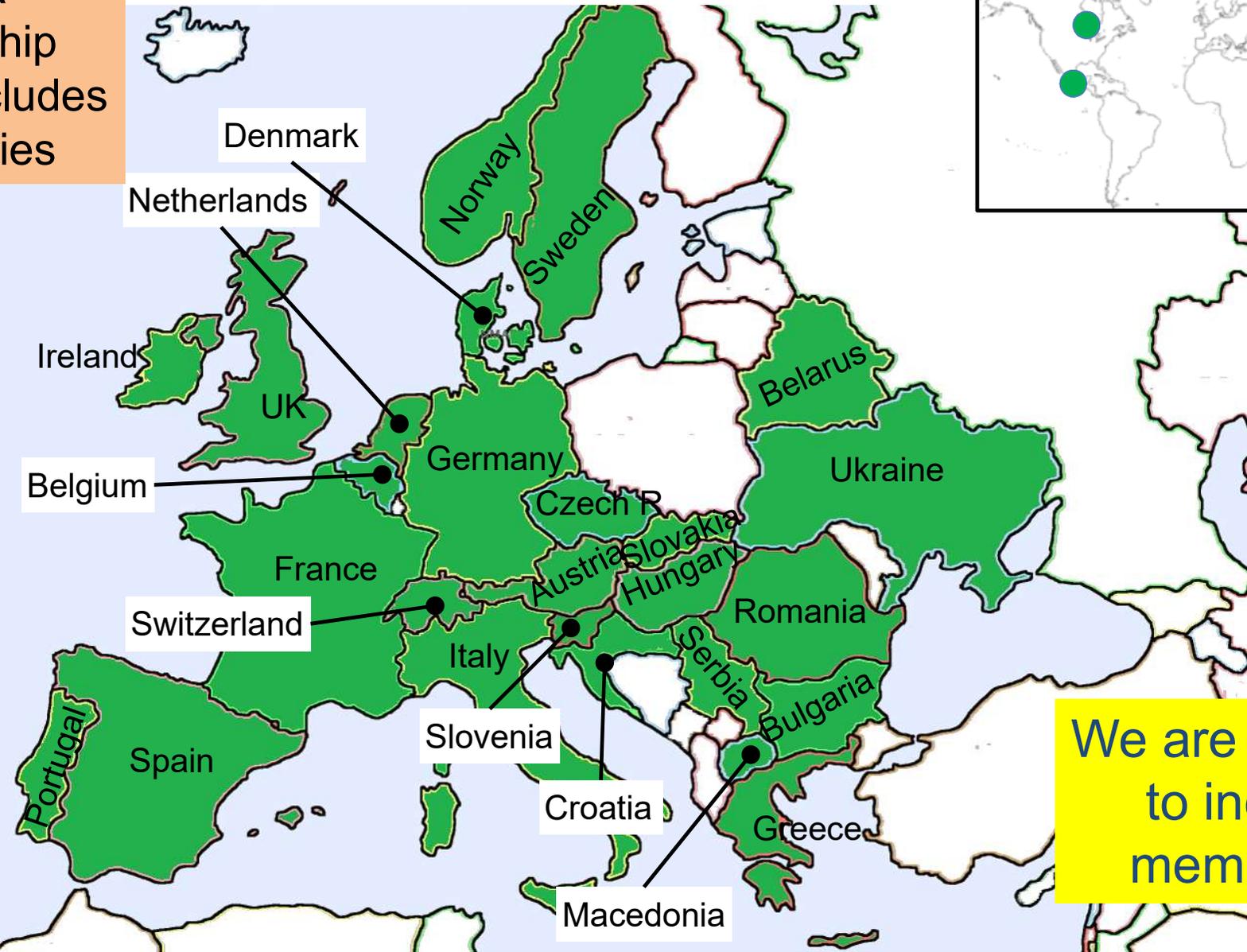
# Overall objectives



- **To coordinate research to increase efficiency**
  - Avoid waste of time and money (reinventing the wheel)
  - Avoid redundancies between national programmes
- **To fill knowledge gaps**
  - Between different areas in Europe
  - Between science and other stakeholders



IPEMA membership currently includes 29 countries



We are still eager to increase membership

- **To guide breeding programmes for meat production systems with entire males (EM) toward**
  - reducing the incidence of boar taint,
  - addressing the meat quality problems associated with EM,
  - reducing aggressive and sexual behaviour.
  
- **To develop nutritional concepts for EM and IC**
  - to meet nutritional requirements of EM and IC,
  - to reduce boar taint in EM,
  - to compensate alterations of intramuscular fat content and fatty acid composition in EM and IM.

- To define EM specific housing and management conditions, including transport, pre-slaughter handling and slaughter practice to address the new welfare issues due to male specific behaviour.
- To evaluate innovations in grading and meat quality control systems including
  - boar taint detection on/at slaughter line,
  - Determination on/at line of other traits that are important for eating and processing quality.

- **To summarize and assist innovations in the processing industry**
  - to adapt products to the different characteristics of EM and IM pork
    - texture, water holding capacity, fatty acid composition.
  - to valorise meat with boar taint by
    - masking, cooking, dilution, dry curing, fermentation, ....
  
- **To develop specific information strategies for different European countries, as well as export markets to increase the acceptance of EM production and immunocastration.**

# What we have done and will do (2016-2020)



- **Establish a network across the EU and also from neighbour countries**
  - To avoid redundancies,
  - To bridge separate fields of research to achieve breakthroughs that require the coordinated cooperation of consumer research groups, meat scientists, animal physiologists, nutritionists and breeding organizations.
- **Present and disseminate the current state of research in workshops and conferences,**
- **Develop a joint research agenda around the topic of meat production from EM and IC**
  - To coordinate the research activities supported by various national research programmes.
- **Form a strong foundation for long-term sustainable collaboration in the area of EM production.**

■ Establish

■ To avoid

■ To bridge  
coordin  
physiol

■ Present  
conferences,

■ Develop a joint research agenda area  
EM and IC

■ To coordinate the research  
programmes.

■ Form a strong  
area of EM production.

■ To achieve that we need participation  
from scientists AND organisations  
representing the various stakeholders

- ✓ producers,
- ✓ industry,
- ✓ NGOs,
- ✓ Government Bodies

**It is still possible to join IPEMA**

countries

quire the  
, animal

workshops and

duction from

by various national research

Ulrike **Weiler**, *Germany*

**Chair**  
**Vice Chair**

Michel **Bonneau**, *France*

**Conference Grants**

**Short Term  
Scientific Missions**

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*UK*

Liliana **Tudoreanu**  
*Romania*

**Training & Education**

**Communication &  
Dissemination**

Ge **Backus**,  
*Netherlands*

Raffael **Wesoly**  
*Germany*

**Thing Tank  
Young Scientists**

**Inclusiveness**

Marjeta **Candek-Potokar**,  
*Slovenia*

**WG1**  
**Breeding &  
Genetics**

**WG2**  
**Nutrition**

**WG3**  
**Management,  
Housing &  
Welfare**

**WG4**  
**Grading &  
Quality  
control**

**WG5**  
**Innovation  
in  
Processing**

**WG6**  
**Consumer &  
Market  
behaviour**

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It is still possible to join IPEMA



- Visit our website

<http://www.ca-ipema.eu/>

- To join, just send an email describing who you are and your motivations to join IPEMA

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Thank you for your attention

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