

***EFFAB = European branch organisation  
for cooperatives, private companies &  
national associations in breeding and  
reproduction***



**Pigs**



**Aquaculture**



**Poultry**



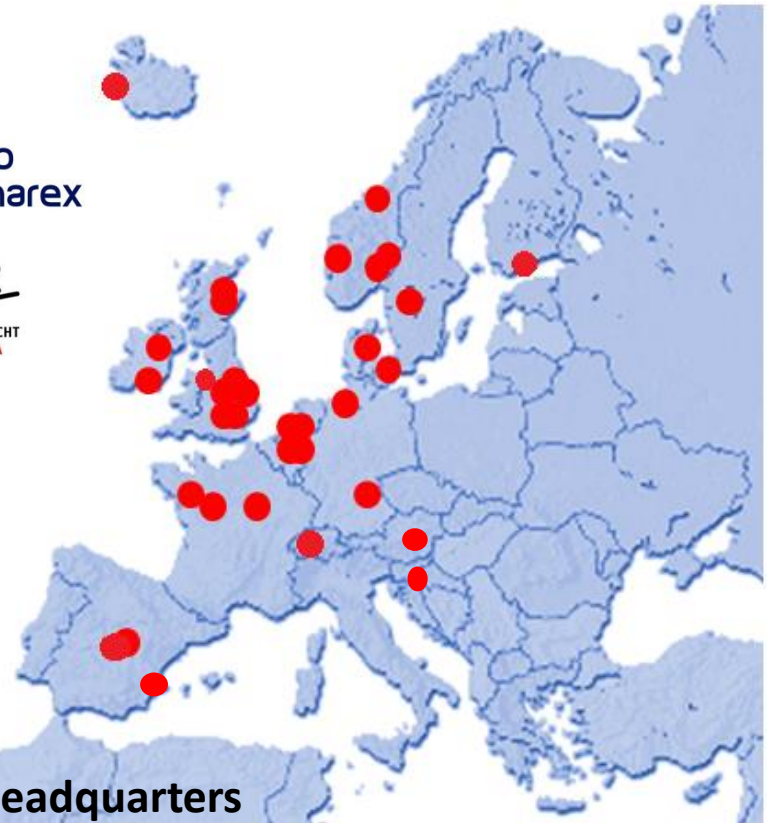
**Ruminants**

***Promoting the interest of the  
European breeding and  
reproduction sector***

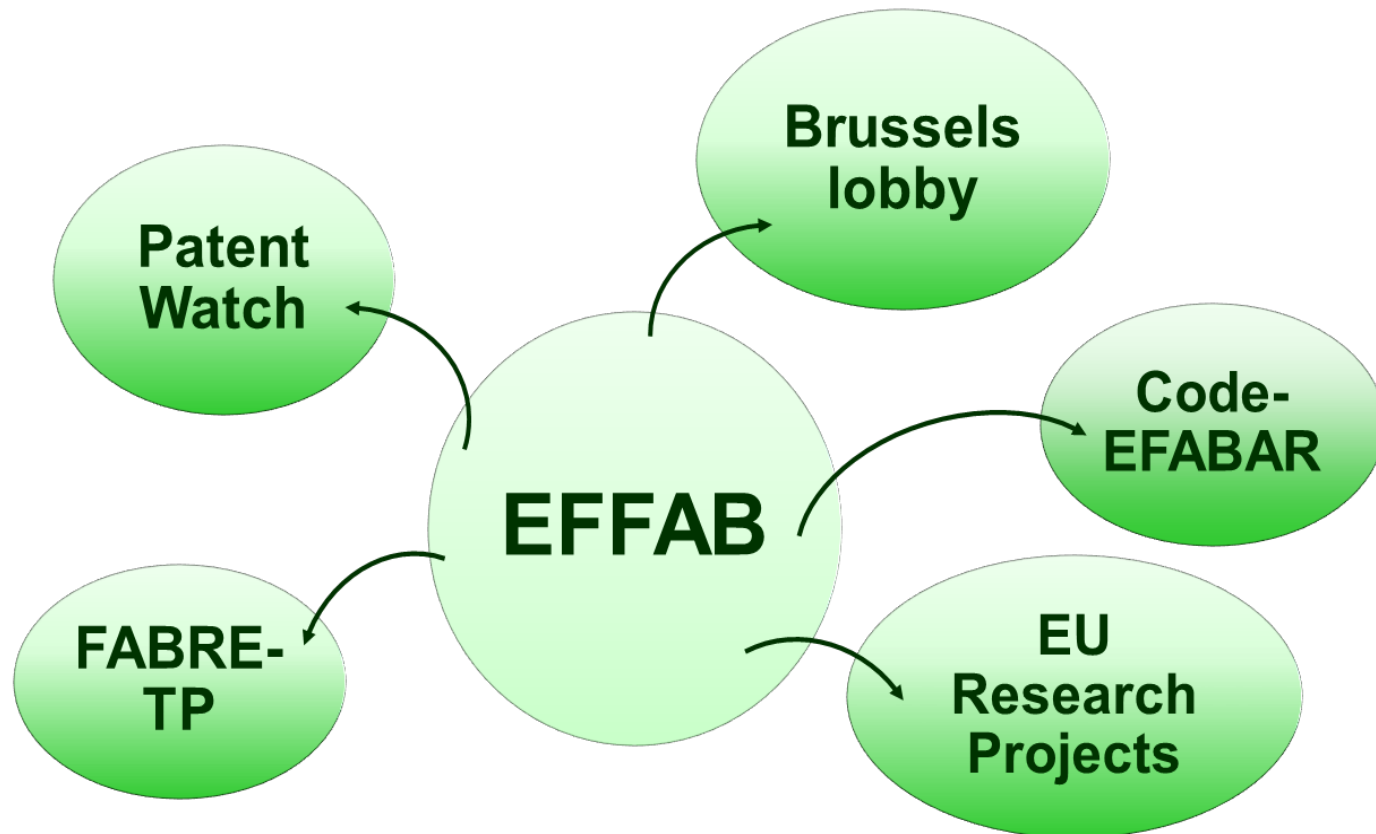
# Members (1)



● = Headquarters



# EFFAB Activities



# Policy Issues



- Zootechnical legislation
- Cloning and other new breeding and reproduction technologies
- Animal Health Law
- Animal Welfare legislation
- Specific pig issues (certificates & long distance transport)
- Nagoya protocol
- State Aid

# Stimulating European Research Activities in Animal Breeding and Reproduction through: FABRE TP

## FABRE TP =

- European Technology Platform (ETP)
- Network of businesses (EFFAB), research organisations and universities (KI's)

*To provide more sustainable animals by stimulating development & uptake of better animal breeding and reproduction approaches.*



# KI Members

- **BOKU Vienna - Austria**
- **University of Gembloux - Belgium**
- **University of Leuven – Belgium**
- **VRI – Czech Republic**
- **University of Aarhus – Denmark**
- **University of Copenhagen – Denmark**
- **LUKE – Finland**
- **INRA – France**
- **FLI Mariensee - Germany**
- **Leibniz Institute Dummerstorf – Germany**
- **University of Giessen – Germany**
- **University of Göttingen - Germany**
- **Athlone Institute – Ireland**
- **Teagasc - Ireland**
- **LeLazzaro Spallanzani Institute - Italy**
- **University of Bologna – Italy**
- **University of Milan – Italy**
- **University Piacenza - Italy**
- **University Udine - Italy**
- **Wageningen UR - Netherlands**
- **IMR – Norway**
- **Nofima AS - Norway**
- **NMBU – Norway**
- **IGHZ - Poland**
- **INIAV – Portugal**
- **University of Evora – Portugal**
- **CRAG - Spain**
- **IRTA - Spain**
- **University of Valencia - Spain**
- **University of Upsala - Sweden**
- **Roslin – UK**
- **KTN - UK**
- **SRUC - UK**
- **University of Stirling - UK**



# Genome Editing



- EFFAB Position Paper April 2016
- EFFAB is open minded to NBT's like Genome Editing (GE)
- GE should be used only for meeting specific Societal Challenges that cannot be met by traditional breeding methods (GS)
- Level Playing Field is key
- Communication is key (consumers, citizens, press, politicians, processors, retailers etc.)

# Societal Challenges



- Food security (healthy, safe and nutritious food)
- Resource efficiency (feed, water, energy)
- Climate mitigation (methane, CO2 emission)
- Climate adaptation
- Reducing environmental impact (nitrate, fosfate, ammonia)
- Antibiotic resistance
- (New) (emerging) diseases (AI, LSD, ASF)
- Animal welfare (boar taint, dehorning etc.)
- Biodiversity

# Position Paper



- NBT's like GE should be on the EU research agenda (research funding)
- Research on NBT's should be regulated but not prohibited
- NBT's like GE should not be considered as GMO in the framework of the EU GMO Directive
- The EU legislation on NBT's like GE should be made clear

## Current situation

- GE is not forbidden by EU legislation
- But Member States can forbid or restrict
- GE in scope of GMO Directive is ?
- French court case
- GE in scope of Novel Foods Regulation: probably yes (assessment needed)
- Offspring of GE animals in Novel Foods Regulation is ?