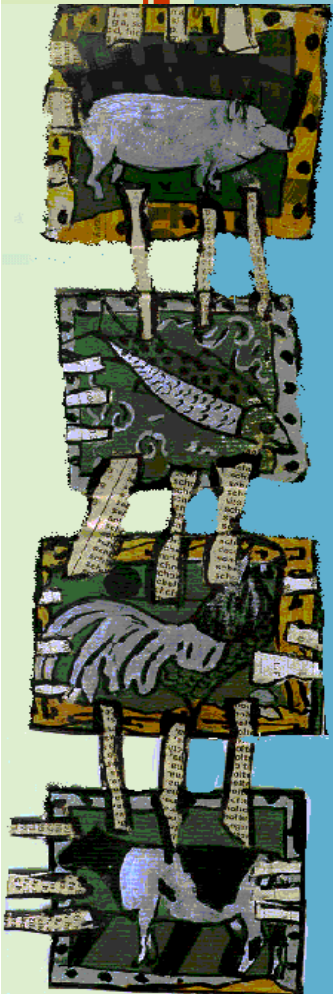


Experience with dissemination of research results and dialogue with industry

Anne-Marie Neeteson, EFFAB
Barbara Harlizius, IPG



EFFAB

European Forum of Farm Animal Breeders

Forum European farm animal breeding & reproduction organisations (cooperative, industry)

Since 1995

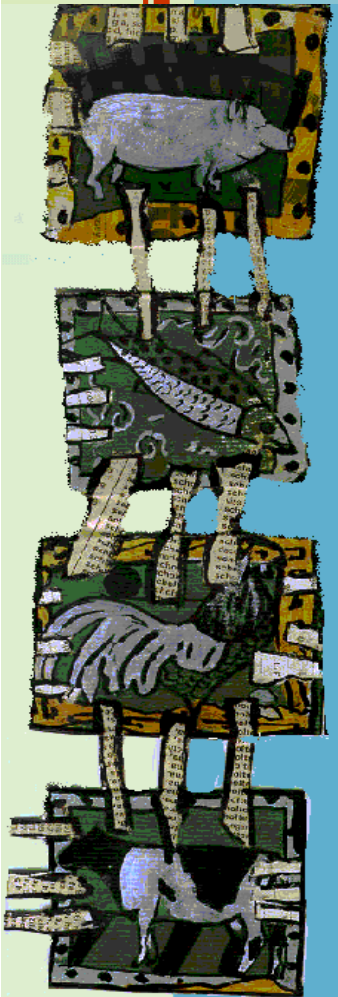
34 members in 13 countries

AIM:

Strong Research Base in Europe



Application for increased competitiveness
European breeders



INDUSTRY DRIVEN

General Research Related Activities

Indicating research directions:
FP4, FP5, FP6, FP7: FABRE Technology Platform

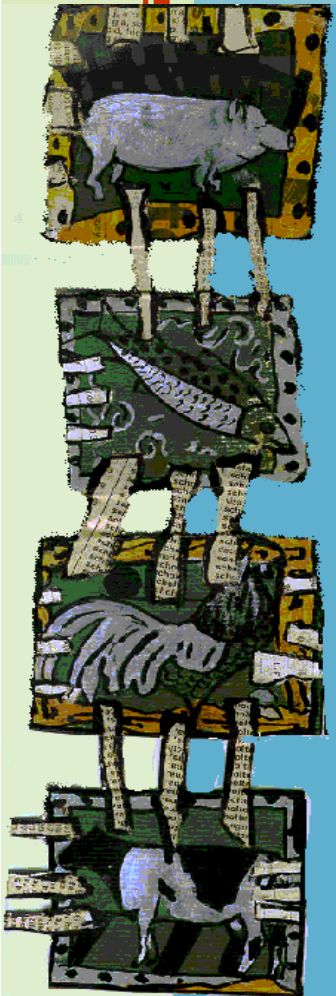


Dialogue society:
Sustainable breeding (definition, scenarios)
Code of Good Practice (Code-EFABAR)

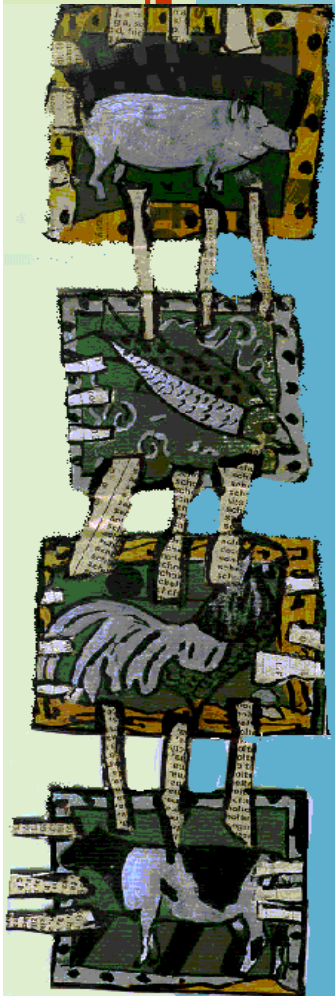


Regulations/IP
EU patent directive
Patent watch broad claims/already applied knowledge

Technology transfer
Pilot: guide for scientists, IP issues (EADGENE)
Partnering



Life used to be simple



Science/knowledge



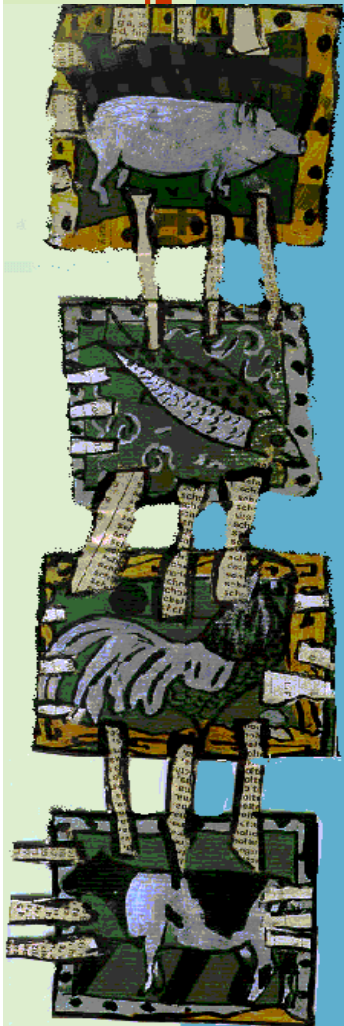
Education/advice



Implementation

Practical/commercial application

Life used to be simple



Science/knowledge



Education/advice



Implementation

Practical/commercial application

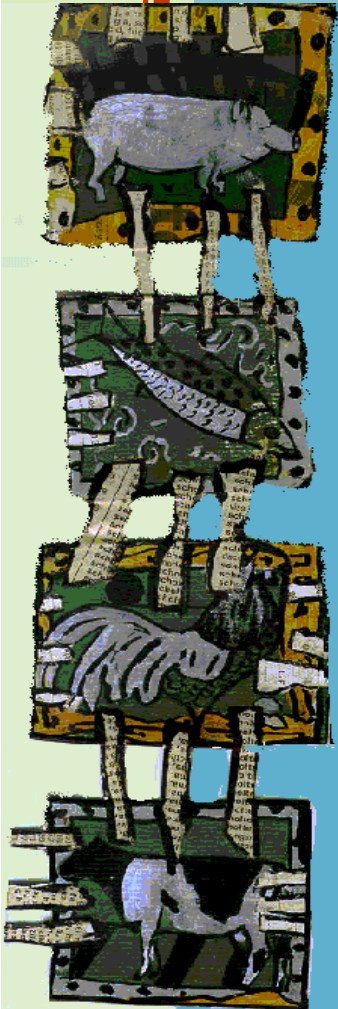
Advice and research government funded

Life gets more complex

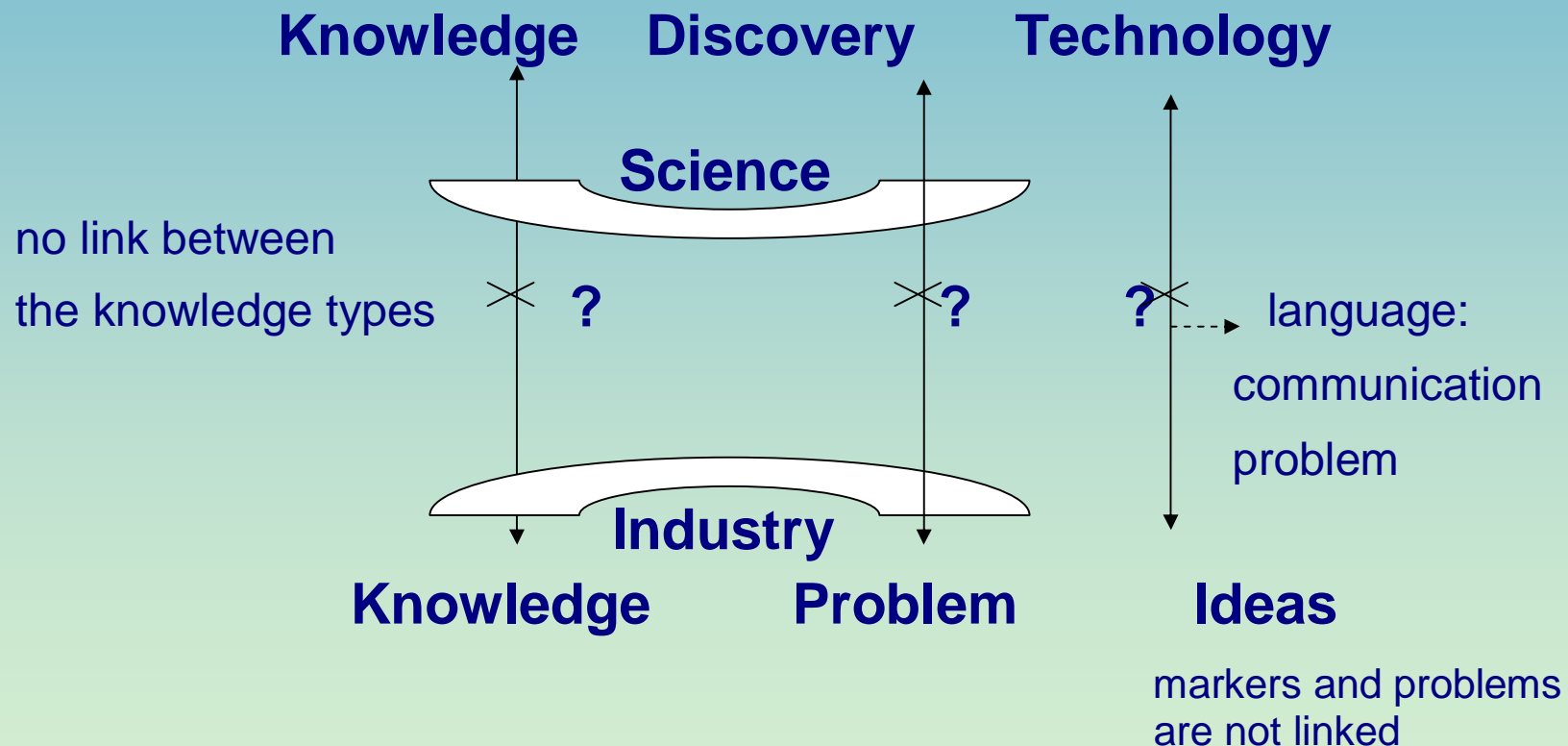
Government funding advice and research ↓

Research/possibilities ↑ complex

*Role agriculture:
supplier à answering demands
consumer/society*

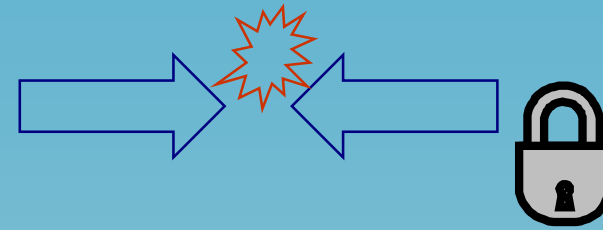


Current communication flow between research and (breeding) industry



Acknowledgement: Steen Petersen, Jan Merks

Dilemma....

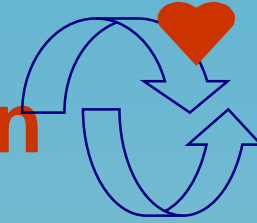


Scientist is interested in research projects

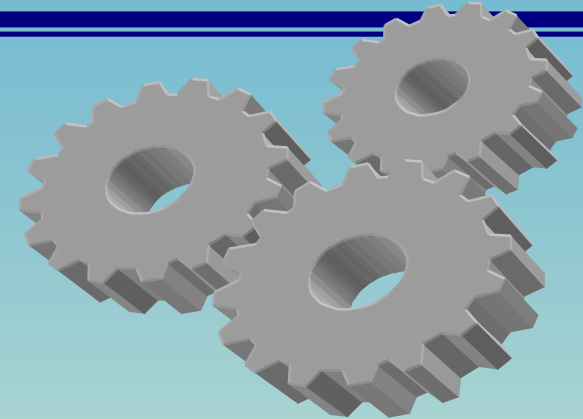
Industry is interested in applicable results

How to bring them together at the right moment?

Academia- Industry Co-operation



Use strong points of each



- **Academia:**
 - Funding
 - Link to other fields (basic/human/medical research)
 - No need for immediate application
- **Industry:**
 - Knowledge of and cheap access to genetic resources
 - Understanding of animals
 - Knowledge of market requirements

Acknowledgements: Gerard Albers

Co-operation

Industry

Research

- n Problem driven
- n Intellectual property
- n Costs of the 'test'
- n Scientific articles
- n Science as 'business'?

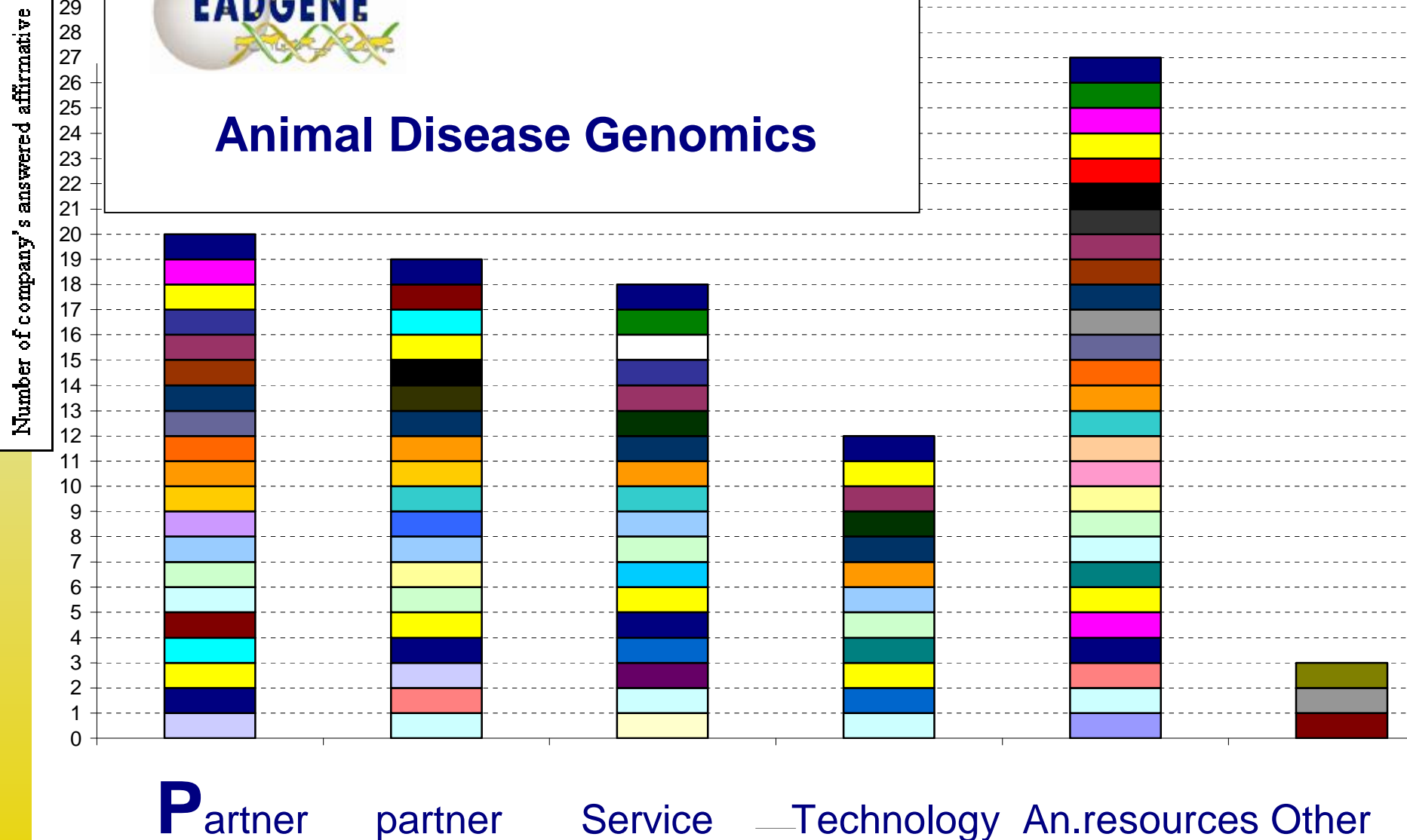
- ! Start with small cooperation
genetic material
hosting student
- ! Include industry IN research projects
- ! Simple cooperation agreements
keep to them!
- ! Joint 'lobby' for research funding!



EADGENE Club of Interest Inquiry



Animal Disease Genomics



Technology Transfer

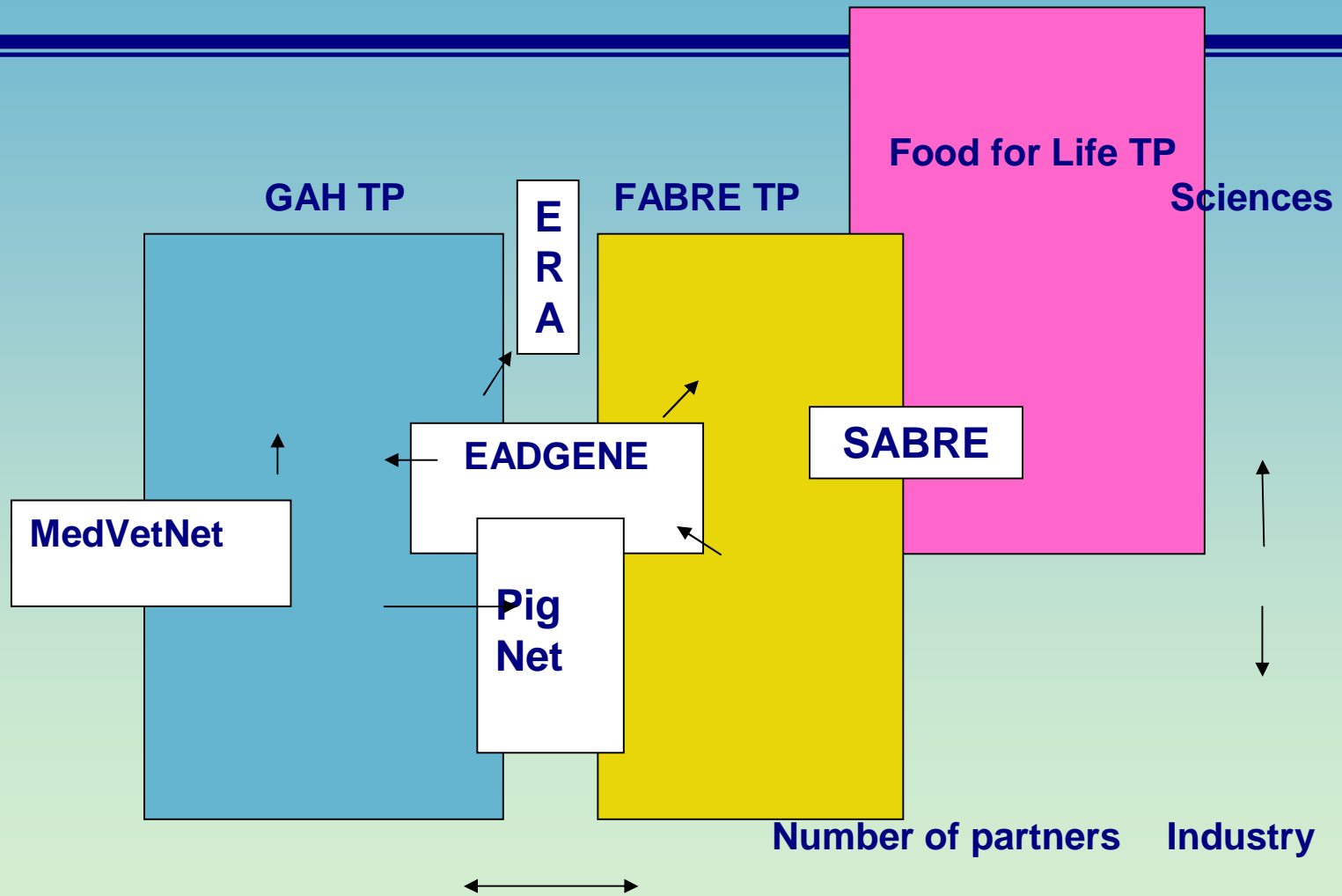
Industry

Research

- ! Partnering events ~~à~~ you know each other
- ! Individual partnering (national gov/ind/res TT groups – technology translators/facilitators)
- ! Guidelines for scientists ~~à~~ industry
- ! Support between research result and proof of concept stage (TT included in project)
- ! For small industries:
 - genomics course (what are the possibilities?)
 - assistance project writing
 - assistance (international) contracts
 - assistance subsidies (possibilities)



Networks – Cooperations





PigNet and EADGENE



- ! Participation in Club of Interest**
- ! Guidelines for scientists in contacts with industry**
- ! Contract information**
- ! Partnering genetic material/samples**
- ! Scientists travel**
 between research
 between research and industry
- ! Ethics and sociology results**

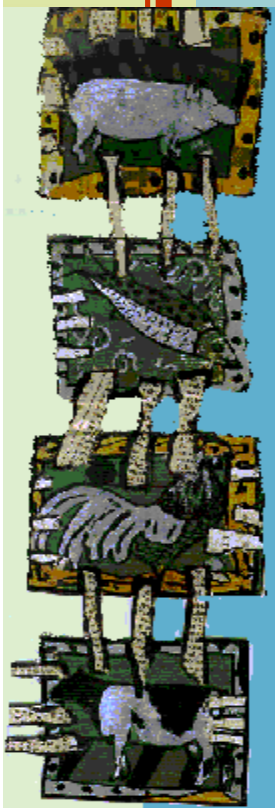




PigNet and FABRE TP



- ! Support by your organisation (Management signature)**
- ! Working groups Strategic Research Agenda**
 - Research
 - Business, technology implementation
 - Regulations
 - Society, ethics
- ! Involving national funding**

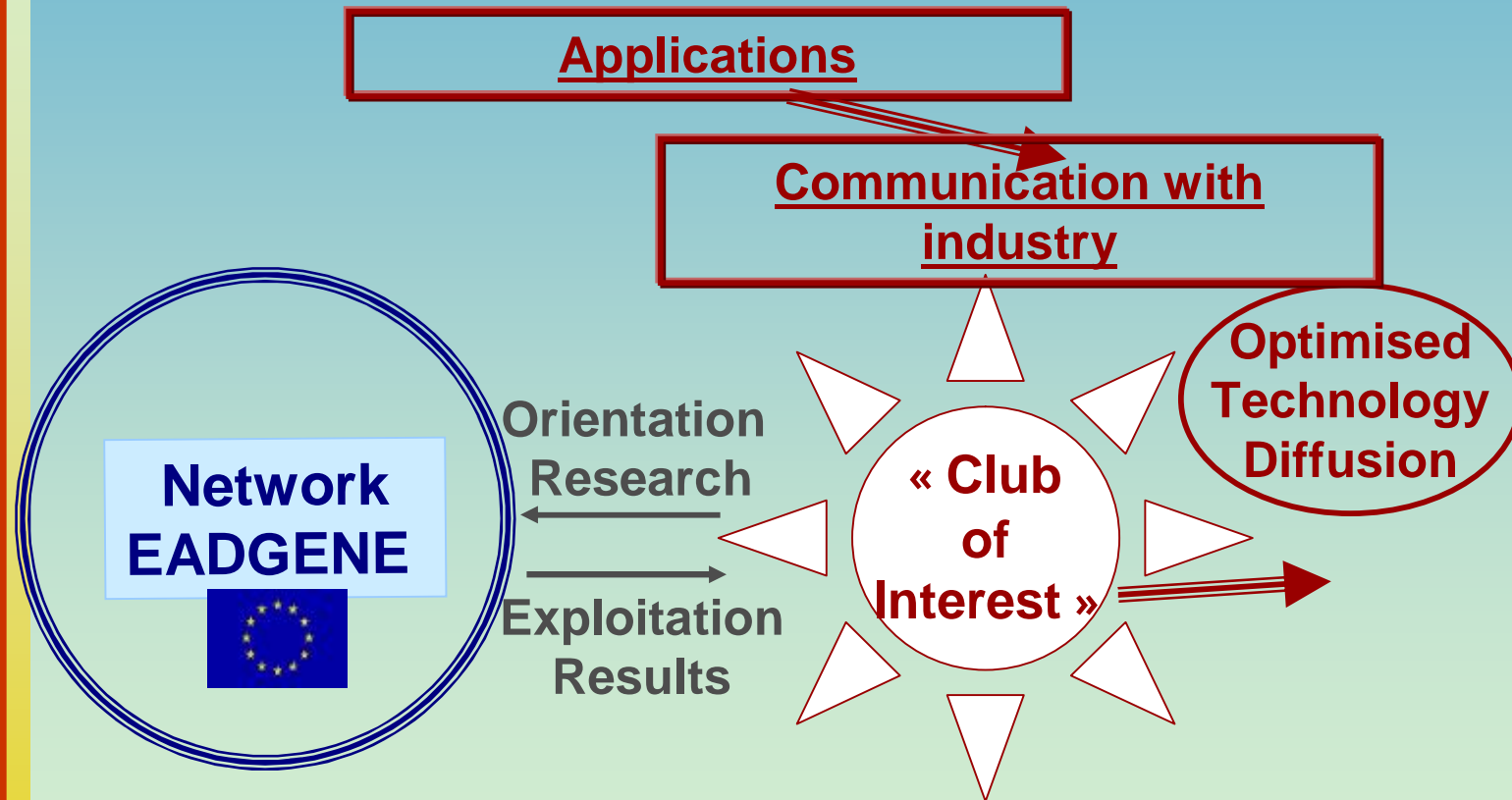


Thank you for your attention!



Patenting USA vs Europe

	USA	Europe
Filing	Grace period 1 y Opposition	Before publishing
Scope	All transgenics	1) Farmers' privilege 2) Breeds excl
Research exemption	Until clinical trials	Non-commercial acts
Ethics		No harm animals
Inventions	Inventions + discoveries	Inventions



Industry impact

	High	Current impact	Low
Future impact	Key knowledge areas = high	Promising knowledge areas	
	Basic knowledge areas		
	Low	Current impact	