

The Farm Animal Breeding and Reproduction Technology Platform

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EAAP - The European Federation of Animal Science



A. Rosati - FABRE TP



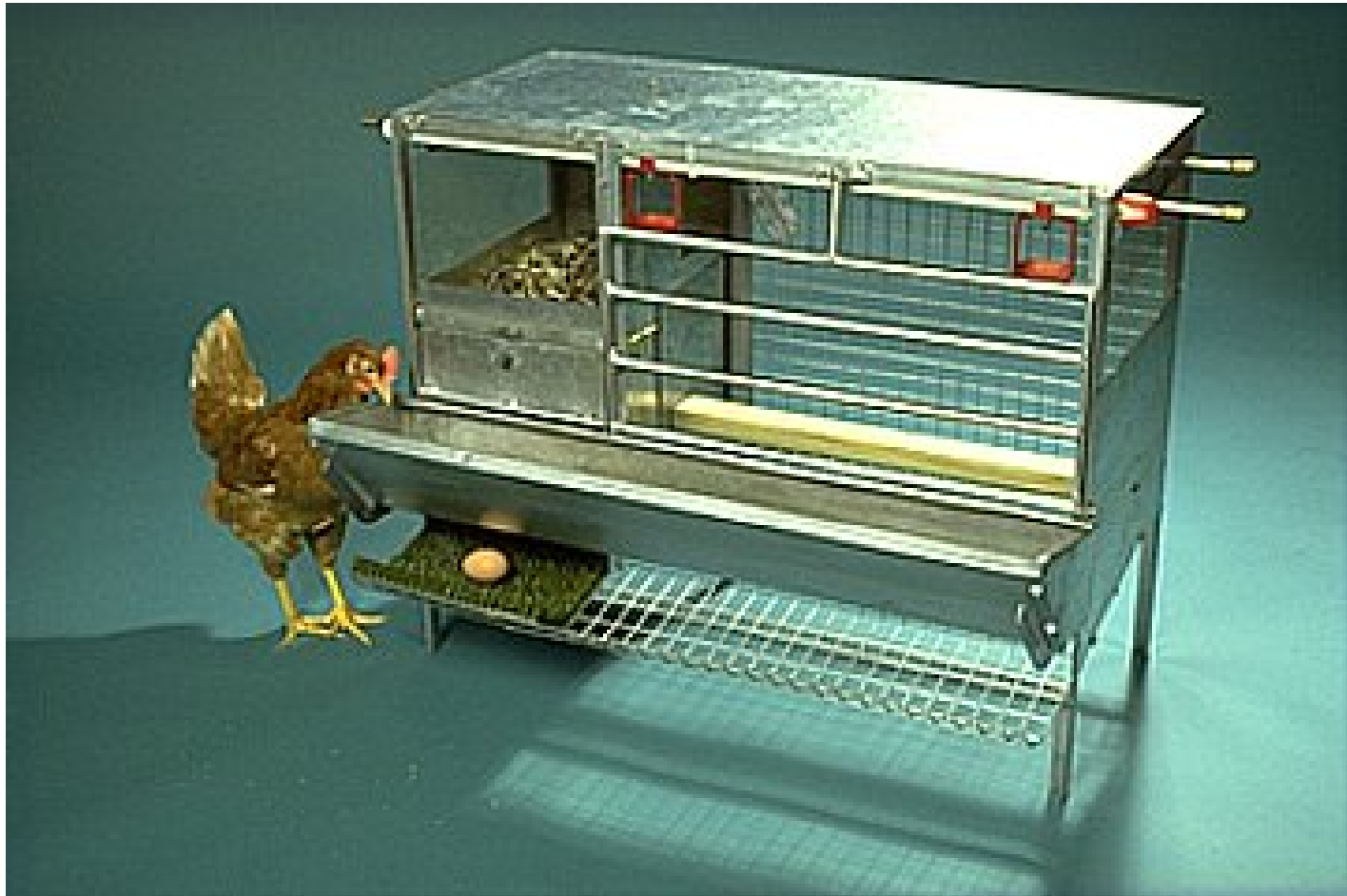
Reasons of Technology Platform

- Role of Europe in the world livestock production: €122 billion/year gross product
- The historical role of Europe in global animal genetic improvement
- Part of European animal breeding in the annual income: €1,83 billion/year



Definitions

- Selection activities in livestock have the goal to improve productive efficiency
- A well planned genetic improvement activity request a long term and sustainable vision agreed by farmers, researchers, industries, civil society



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Definitions

- The added value created by genetic improvement is cumulative
- Genetic improvement is a discipline utilizing many advanced technologies
- Guidelines for data collection, data management and its use in selection schemes were prepared by the international organizations of researchers and farmers



Definitions

- Civil society is very sensible to methods of genetic improvement for the planned objectives and for the used technologies
- Genomic furnishes new perspectives for sustainable animal breeding
- Genetic improvement can enhance feeding efficiency, animal health and welfare



Definitions

- Genetic improvement contributes to create a better management of the relations between animals and environment
- World leadership for European Animal farmers?



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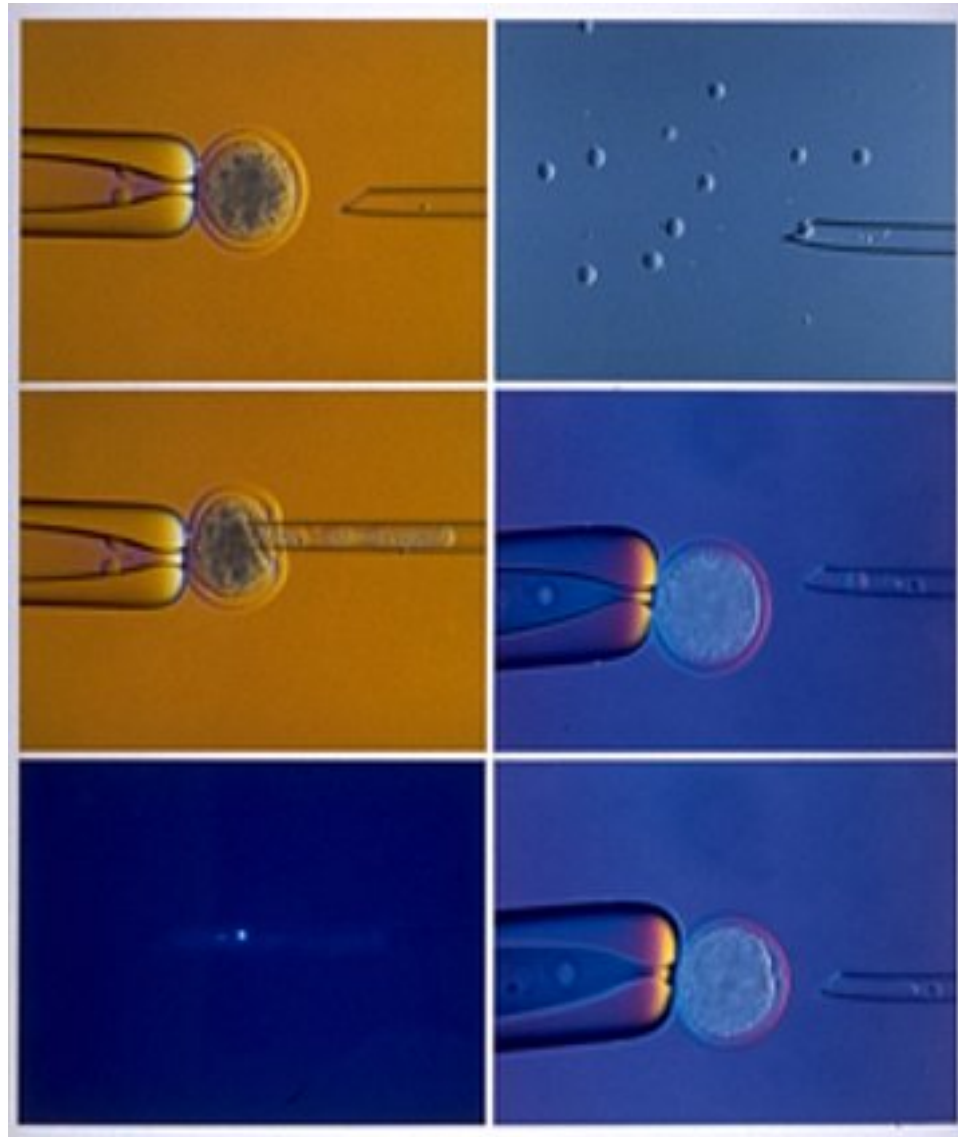
Objectives

- To produce quality and healthy food of animal origin
- Improve co-operation between several branches of animal industry
- To consider environmental sustainability and economic efficiency of animal farming



Objectives

- Consider the new technologies applied to livestock farming
- Improve the efficiency and competitiveness of European animal farming and the related industry



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Industries

- Large international companies, above all on swine and poultry sectors and in aquaculture
- Family farms organized in a co-operative form
- Animal feed industry, pharmaceutical sector, A.I industry



Research Sector

- Research Institutes of Animal Science
- Laboratories of large private enterprises
- Research institutes of animal breeders
- Research Associations
- *Patenting*



Governmental Bodies

- FAO and other international governmental agencies
- Agriculture Ministries
- Veterinarians Services



Civil Society

- Consumer associations
- Environmentalists
- Farmers associations
- Animal protection organizations
- ...

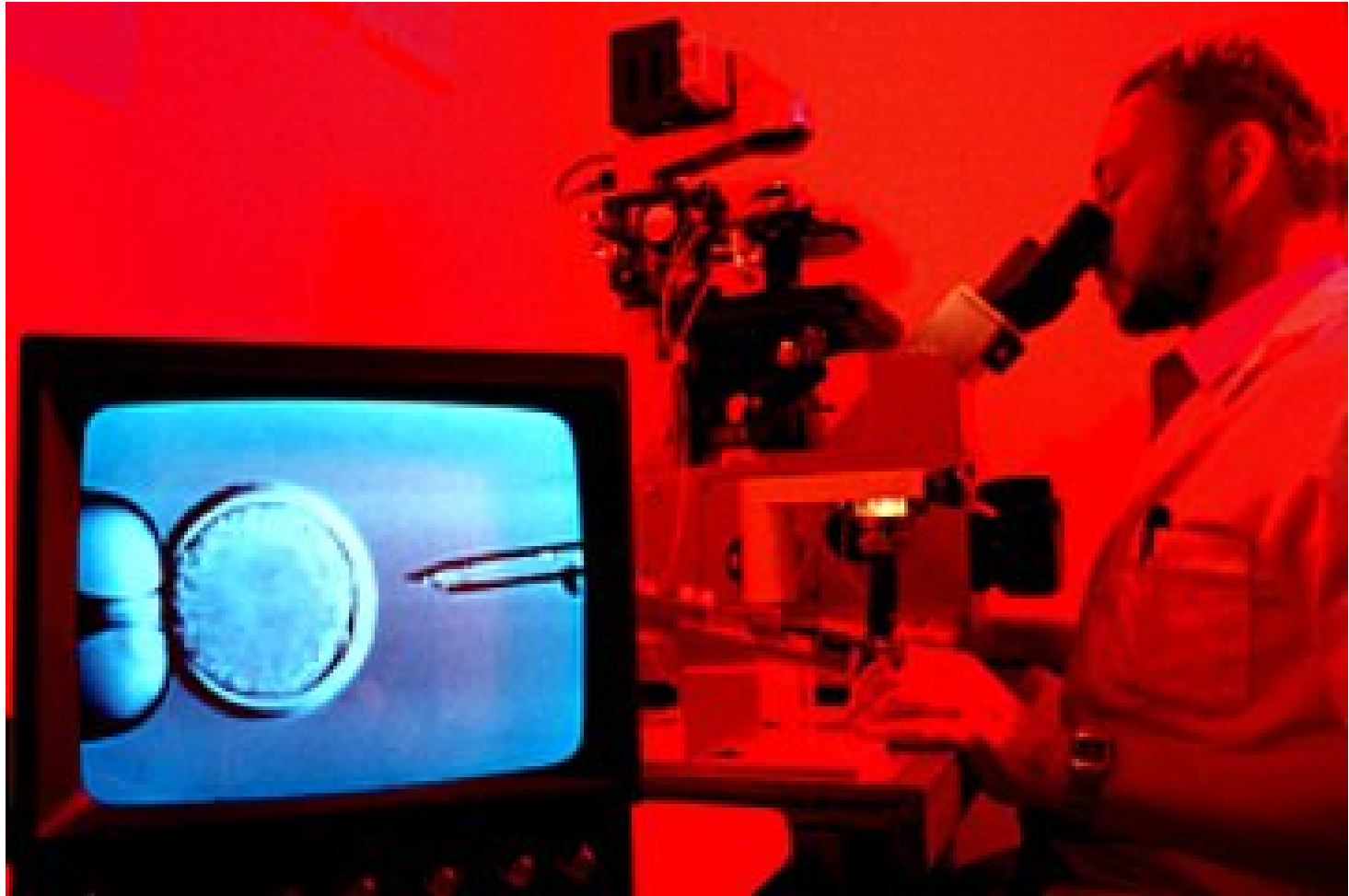


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Existing Situations

- Enlargement of food of animal origin
- Use of advanced technologies
- Organization structure for genetic improvement
 - Poultry, swine and aquaculture
 - Cattle, sheep and goats
- Contacts with local traditions



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Perspective for a sustainable improvement

- Healthy food production
- Healthy and robust animals, adapted to new environments
- Well planned improvement and consideration about biodiversity
- Accurate management of environments



For a competitive Europe

- Relevance of animal genetic activity
- Expertise of European researchers
- Utilization of rural areas
- Regional products
- Social and cultural aspects
- Animal products diversity (companion animals, sport, fiber, biotechnology)



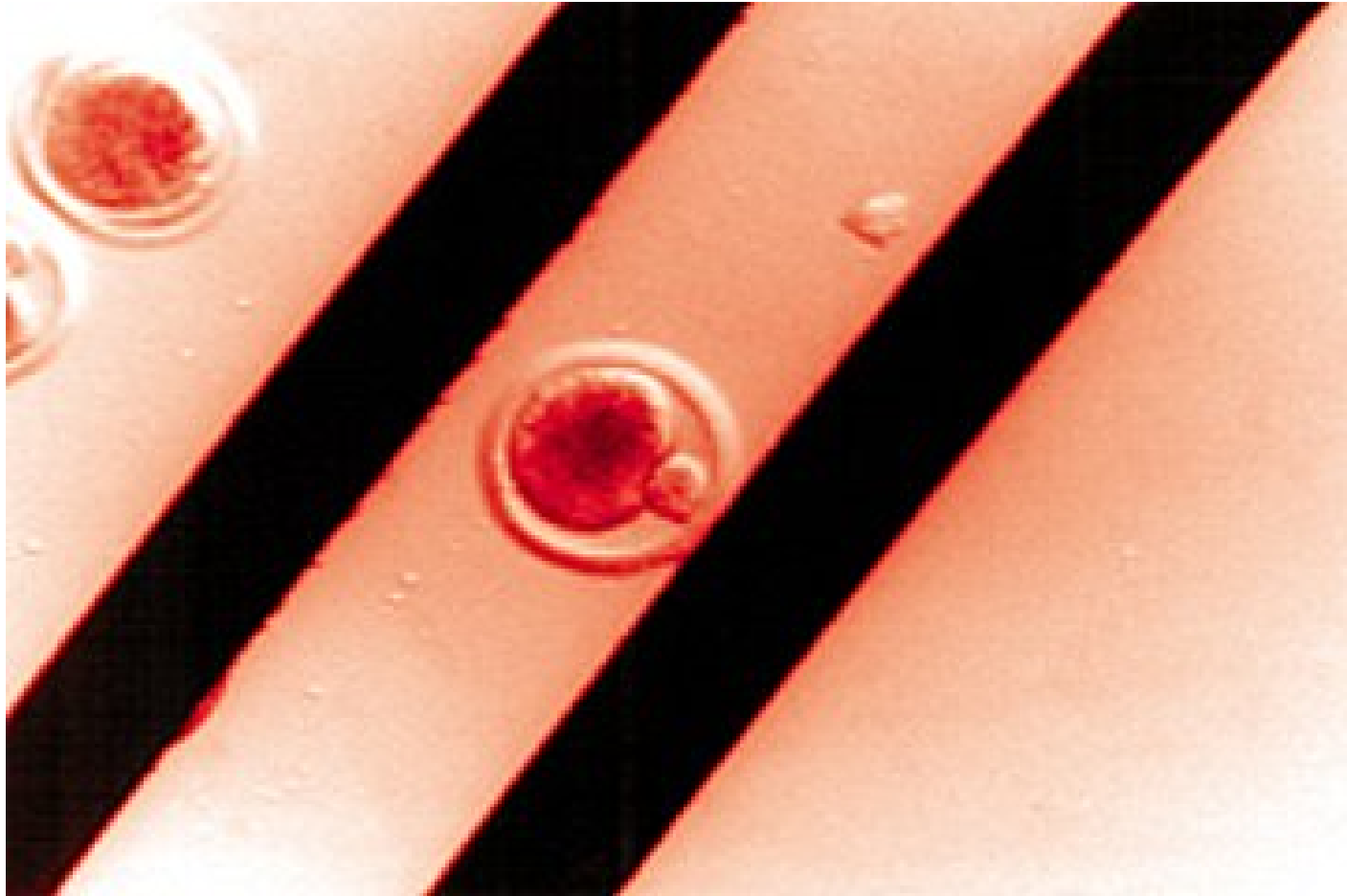
Agenda for research and technologic application

- Quantitative genetic: production data and herd book information
- Identification and traceability technologies
- Genomics
- Statistical and information technology applications
- System biology



Agenda for research and technologic application

- Relation between animal biology and environment
- Population biology
- Reproduction technology
- Disease resistance
- Technological application



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Steering Group

- Jan Merks (NL), chair
- Jim Flanagan (IRL)
- Margareta Haard (S)
- Pierrick Haffray (F)
- Josef Kucera (CZ)
- Ken Laughlin (UK)
- Alain Malafosse (F)
- Johan Van Arendonk (NL)



Working Group

- Anne-Marie Neeteson (NL), coordinator
- Chris Warkup (UK)
- Chris Haley (UK)
- Jarmo Juga (SF)
- Pieter Knap (D)
- Philippe Monget (F)
- Ashie Norris (IRL)
- Andrea Rosati (I)
- Volker Schulze (D)
- Jean Stoll (LUX)



TP Activities

- 31 August 2005
 - First working group meeting
- August 2005 – January 2006
 - Telephone conference of WG and SC
 - Meetings connected to other events
 - Writing of the *Vision Paper*
- February 2006
 - First draft of the *Strategic Research Agenda*
- 2 March 2006
 - Presentation in Paris of *Vision Paper*
- April 2006
 - Presentation of a SSA for the activity of the TP

Thanks for your Attention!

