



EUROPEAN
COMMISSION

Community research

The EU Seventh Framework Programme (2007-2013)

SP Cooperation, Theme 2, Activity 1

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European Commission
Research Directorate-General
Directorate E.3 - Safety of food production systems

FP7 2007 – 2013

4 Specific Programmes

Cooperation – Collaborative research

Ideas – Frontier Research (ERC)

People – Human Potential

Capacities – Research Capacity

+

JRC (non-nuclear)

JRC (nuclear)

Euratom

Specific Programme “Cooperation”

9 Themes

1. Health

2. Food, Agriculture and Biotechnology

3. Information and Communication Technologies

4. Nanosciences, Nanotechnologies, Materials ...

5. Energy

6. Environment (including Climate Change)

7. Transport (including Aeronautics)

8. Socio-economic, Sciences and Humanities

9. Security and Space



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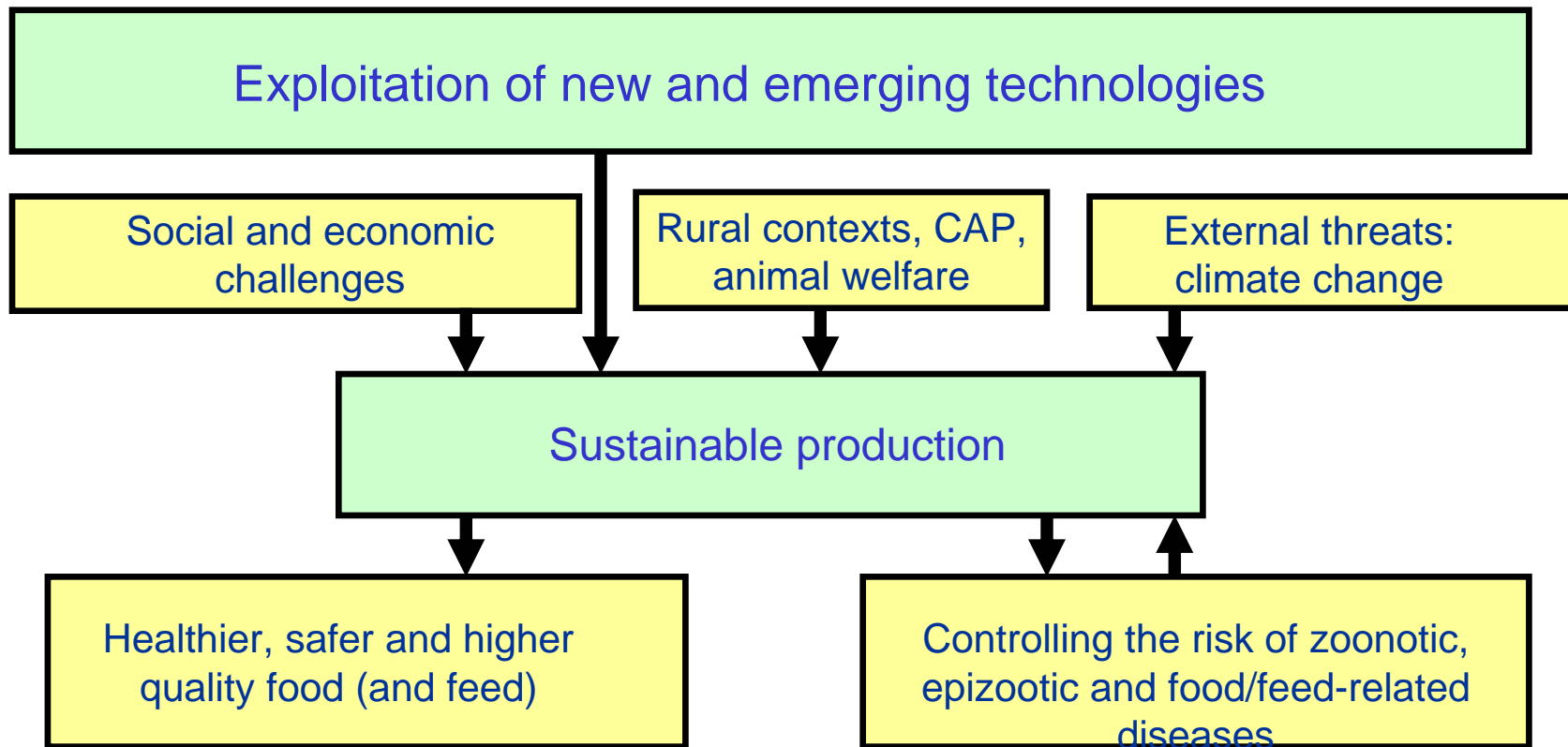
Theme 2: Food, Agriculture and Biotechnology

Activity 1 - Sustainable production and management of biological resources from land, forest, and aquatic environments

Activity 2 - “Fork to farm”: Food, health and well being

Activity 3 - Life sciences and biotechnology for sustainable non-food products and processes

Activity 1: Sustainable production and management of biological resources from land, forest and aquatic environments: **GENERAL OBJECTIVES**





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Activity 1: **Sustainable production and management of biological resources from land, forest, and aquatic environments:** **MAIN ACTIVITIES**

- Enabling research
- Improved crop production
- Sustainable farming systems
- Forestry
- Animal production and welfare
- Animal diseases
- Fisheries and aquaculture
- Research in support to policy



Activity 1: Sustainable production and management of biological resources from land, forest and aquatic environments: **ACTIVITIES (1/4)**

“Enabling” research

Genomics, metabolomics and proteomics technologies; bioinformatics; systems biology; tools and converging technologies for micro-organisms, plants and animals; sustainable exploitation of biodiversity





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Activity 1: Sustainable production and management of biological resources from land, forest and aquatic environments: **ACTIVITIES (2/4)**

Sustainable production

Agriculture (all production systems); open-field and protected horticulture; improved crops; environmentally friendly plant health, pest and disease control; coping with climate change; monitoring of GM crops; forestry; sustainable management of fisheries; aquaculture; fish breeding and welfare





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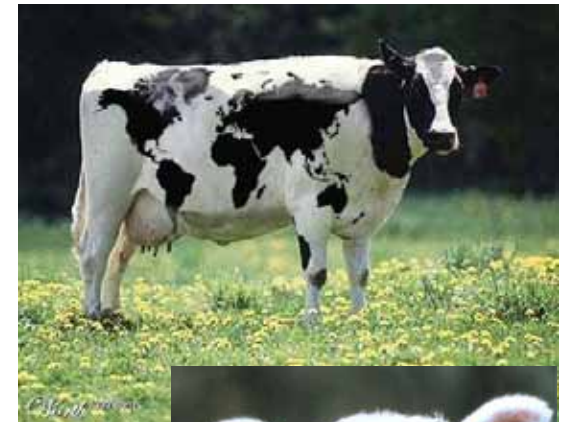
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Activity 1: Sustainable production and management of biological resources from land, forest and aquatic environments: ACTIVITIES (3/4)

Optimised animal health, production and welfare

Exploitation of genetics knowledge; breeding, physiology, behavioural studies; safer feed and improved nutrition

Epidemiology and control of infectious diseases; epizootics, zoonoses; sustainable management of by-products and safe disposal of animal waste;





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Activity 1: Sustainable production and management of biological resources from land, forest and aquatic environments: ACTIVITIES (4/4)

Research in support to policy

Tools for policy makers in agriculture, fisheries, forestry and environment;
Research in support to sustainable rural and coastal development; Socio-economics, ethical issues and cost-benefits analyses of new research pathways and production systems; landscape management and multi-functional agriculture





Activity 1

European Technology Platforms

