



Biodiversity as Protection Goal in Environmental Risk Assessment for EU agro-ecosystems

Objectives of the Colloquium

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Why this Colloquium?

EFSA is responsible for environmental risk assessment (ERA) of regulated products and invasive species related to the food/feed chain

- Plant protection products (PPR Panel)
- Non-endemic plant pests (PLH Panel)
- Genetically modified organisms (GMO Panel)
- Feed additives (FEED Panel)
- Biological hazards (BIOHAZ Panel)
- Overarching issues (Scientific Committee)



Why this Colloquium?

EFSA performs the ERA tasks in accordance with
sectorial EU legislations

- Protection goals (PGs) are described in general
terms only

- High level of environmental protection
- No unacceptable effect on non-target populations and biodiversity

- General PGs need to be translated in specific
protection goals (SPGs) to make ERA schemes
operational in daily practice



Why this Colloquium?

For developing RA schemes, we need to know:

- **What** do we want to protect?
- **Where** do we want to protect it?
- Over what **time period** do we want to protect it?



We may not always be able to protect everything everywhere – there is a trade off between economic activities and biodiversity

Dialogue required between risk managers and risk assessors

Why this Colloquium?

Should SPGs be harmonised or differentiated dependent on the regulated product/species?

- Risk assessment aspect: ERA schemes should be consistent irrespective of the type of technology

- The same agro-ecosystem may be subject to different regulated products/species

- Risk management aspect: Costs and benefits may differ for different regulated products/species

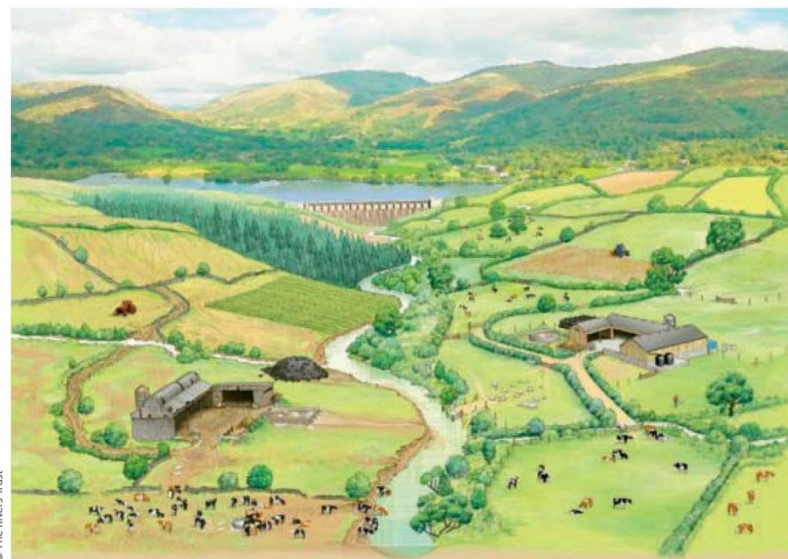


Why this Colloquium?

Internal mandate for Scientific Committee of EFSA

For different regulated products/species, and with reference to biodiversity in agro-ecosystems, is there scope in ERA schemes for:

- The use of the ecosystem services concept to define SPGs ?
- Harmonization of SPGs ?
- Ecological recovery of target populations ?
- The protection of species ?



Objectives of the Colloquium



Bring together international experts from different sectors

Facilitate an open scientific debate on:

- The possibility to harmonise SPGs underlying ERA for different regulated products/species
- How to make these SPGs operational

Structure of the Scientific Colloquium

Setting the scene with four interesting lectures

1. Introduction to protection goals, ecosystem services and roles of RM and RA (*Lorraine Maltby*)
2. Making protection goals operational for use in ERA: an applicant's perspective (*Monica Garcia-Alonso*)
3. The role of key-factor analysis and population dynamics in ERA for protecting biodiversity (*Michael Bonsall*)
4. The role of population modelling in the assessment of recovery in ERA for protecting biodiversity (*Paul Jepson*)

Structure of the Scientific Colloquium

Hands-on work in discussion groups

1. Translating protection goals into measurable endpoints for use in ERA of regulated products and species
2. Protecting biodiversity in agro-ecosystems
3. Endangered species
4. Ecological recovery

Final plenary session





Thank you !