Development of models assessing the breeds risk status by utilization of population and relevant georeferenced data

ERFP project (Call 2009-2010)

16th ERFP Annual Workshop, 21 August 2010, Crete, Greece
Participating countries

- Greece
- France
- Germany
- Ireland
- Latvia
- Netherlands
- Norway
- Poland
- Slovenia
- Turkey
- UK
- others…
The idea

• First strategic priority of the GPA
  – Characterisation of AnGR, the monitoring of trends and risks and the establishment of country based early warning and response systems.

• Geographical Information Systems provide the means to a better understanding of the situation in and between the countries
  – transboundary breeds
  – development of proper tools for early response to coming threats.
Aim

- A common base on the information that should be collected
  - their format including the spatial dimension of the data,
- Develop models that will weigh the different threatening factors to an index appropriate to classify the breeds according to their degree of endangerment.
- Tool to make decisions relevant with the management of animal genetic resources having a better tool to analyse breed distribution and utilisation.
Expected outputs

• Identify the available data
  – Assessment of the threats of the breeds, (population trends, political, social and environmental factors) and also the values and the specific contribution of the breeds
• Identify the kind of information that should be collected at farm level, breeding region or country level
• Develop a mechanism of permanent collection and enter the data in a Geographical Information System
• Develop models combining the available data to an index assessing the threats.
• Visualisation of the results using GIS tools
• Develop a system that can be used as an early warning tool
• Propose possible ways to incorporate this procedure into existing databases or how to link the existing databases with GIS.
Material available

- ERFP project: Development of a common methodology to evaluate and monitor the population-genetic status of farm animal breeds in Europe
  - Report (Eleonore)
- Breeds at Risk seminar
  - Report on the primary indicators
- GenRes Projects:
  - Heritage Sheep
    - Database with information on political, social, environmental, disease factors
  - Eureca project
    - Data collected on the sustainability of the cattle farms
- Other??

16th ERFP Annual Workshop, 21 August 2010, Crete, Greece
Timetable

• Crete, August 2010 (ERFP Workshop)
  – Presentation of the aims / Workplan / Discussion
• Prepare and send out a working document (deadline: mid November)
• Contributions from all participants (by January)
• Prepare the WG meeting
  – February – March 2011
  – Exact date and location to be defined

• Final report – Stavanger (17th ERFP Workshop)

16th ERFP Annual Workshop, 21 August 2010, Crete, Greece
• Suggestions / ideas?