## Supporting the documentation of European breeds

10 years of activities of Documentation and Information ERFP working group

Chair : Enrico Sturaro Italy (since 2017)

29 members

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### Aims of the WG

- The documentation of AnGR is one of the main targets of the GPA and an important basis for informed decision-making by countries, at European region (ERFP) level and at global level (FAO). Countries are supported by the ERFP Working Group Documentation and Information in the establishment of their national inventories for AnGR

- Both monitoring and assessment as well as user needs might require further functionalities of EFABIS which should be identified and further developed by the ERFP Working Group Documentation and Information.
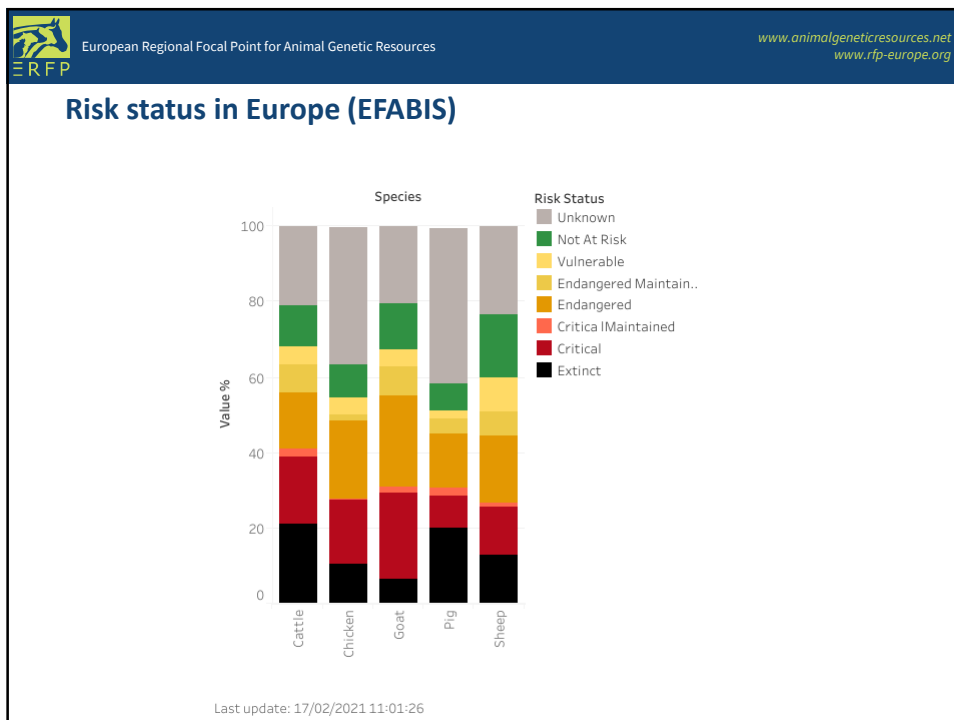
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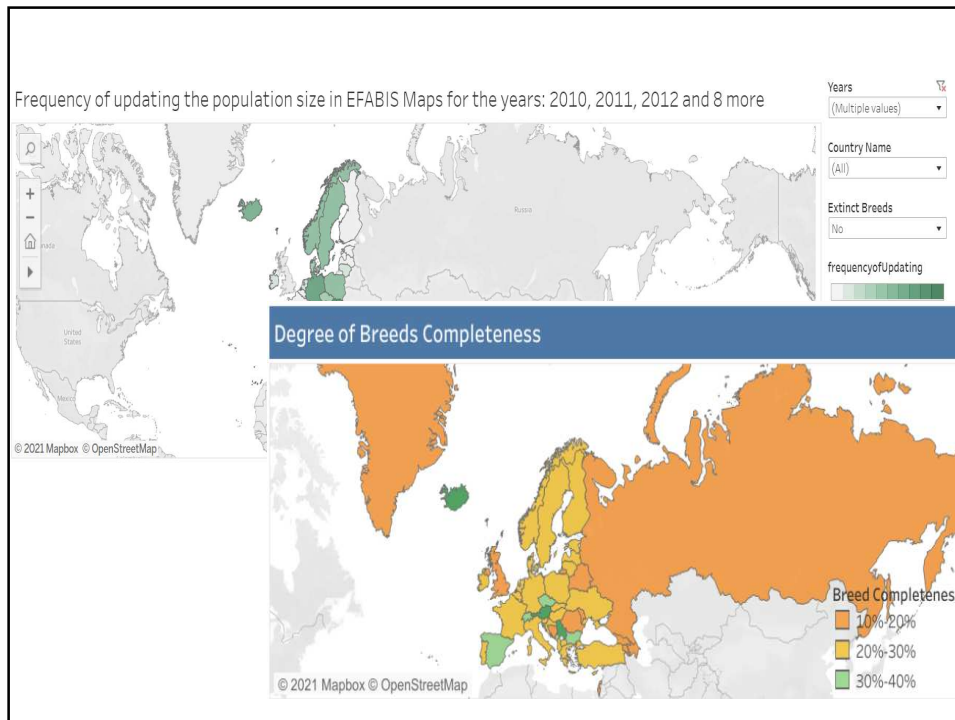*www.rfp-europe.org*

### Brief history of the WG Documentation and Information

- April 2011 – kick off meeting in Bonn – Election of C. Ligda as chair
- Regular WG meeting each year: the reports are available on ERFP website: https://www.animalgeneticresources.net/index.php/about-erfp/events/working-group-meetings/
- Regular activities (in collaboration wit FAO) to favor data quality and completeness in EFABIS/DAD-IS

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### Risk status in Europe (EFABIS)



Last update: 17/02/2021 11:01:26

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**Data quality and completeness in EFABIS – critical points**

- Frequency of updating and the degree of completeness (average value around 30%) are very heterogeneous between countries
- Countries with degree of breeds data completeness less than 20% also do not provide population data
- Need to improve the interoperability with other databases (in particular within domain)
- Further capacity building needed on national level to establish sustainable and reliable data providers

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## Collaboration with **GENRESBRIDGE** project
http://www.genresbridge.eu/

### Task 4.1 Enhancing the central GenRes information systems

Aim:  T4.1 will enhance the amount and improve quality of data in the central information systems (IS; EURISCO, EUFGIS, EFABIS) managed by the three domains' networks with the aim of enhancing access of users to information.

Training sessions (scheduled online for the autumn 2021):
- to improve data quality and completeness (within network approach)
- To contribute to develop integrated GenRes strategy ("Bridge approach")

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### Brief history of the WG Documentation and Information

- **Development of Ad hoc actions:**
  - Development of models assessing the breeds risk status by utilization of population and relevant georeferenced data (2010)
  - Socio-economic and environmental parameters and their applicability into a tool to evaluate risks and trends (2014)
  - Indicators for monitoring status and trend of honeybees and pollination ecosystem service (2016)
  - Transboundary breeds in Europe: promote concerted action between Countries (2020 - joint with WG In-situ and ex situ)

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

Table 1. Criteria for classification of breeds' risk status (*In vivo conservation guidelines*, FAO 2013)

|  | Vulnerable | Endangered | Critical |
|---|---|---|---|
| Numerical (e.g. poultry/pigs)* | 2000 | 1000 | 100 |
| (cattle/sheep/goats/horses)** | 6000 | 3000 | 300 |
| Geographical (75% of the population within) | 50 km | 25 km | 12,5 km |
| ΔF | 0,5% - 1% | 1%-3% | >3% |

*high-reproductive species

** low-reproductive species

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

**Rendena cattle**



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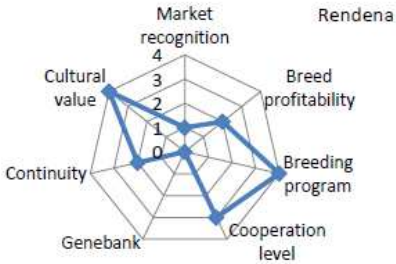
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### Socio-economic and environmental parameters and their applicability into a tool to evaluate risks and trends

Rendena cattle, Italy

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Slide 12:

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### Indicators for monitoring status and trend of honeybees and pollination ecosystem service

Domestic Animal Diversity Information System (DAD-IS)

Data | In Focus | Publications | National Coordinators | Regional/National Nodes

Bee Diversity Tool

Diversity of Bees

Diversity of bees | Distribution of bee subspecies

Bees Diversity Map

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### How to move forward?

- Activities: how to promote the use of the results obtained in the last years?
  - EFABIS/DAD-IS: contribute to the development of tools to favour implementation of FAIR data; training of NC; Support to NC for providing data
  - Uniformity in frequency of data updating: how to favour a more regular update? Ex: SDG indicators should be updated at least once each 3 years
  - State of the world questionnaire: ad hoc WG → support to the countries
  - Interaction with EU reference centre: to be defined; inventory, contribution to the identification and the harmonization of metadata
  - Use of data: support policy makers; research papers → promote efficient communication , i.e. papers

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### How to move forward?

- Participation: what kind of motivation/expectation do you have from the WG?
  - Pros and cons of being active
  - Analysis of problems (at country level) in providing data → workshop/ad hoc action?

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## How to move forward?

- Activities: how to promote the use of the results obtained in the last years?
- Participation: what kind of motivation/expectation do you have from the WG?
  - Pros and cons of being active

- New chair :
  - 2011-2017 C. Ligda
  - 2017-2023 E. Sturaro
  - 2023-? ….

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