

European Regional Focal Point for  
Animal Genetic Resources


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## Task Force Transboundary Breeds in Europe

General Assembly, 23rd of August 2025  
Eléonore Charvolin-Lemaire



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## Beginning of the story of TF

- What is the situation of Transboundary breeds in Europe?
- How improve collaboration for their management?
- Interest for data point of view, and in and ex situ management > building a Task Force with member from the 3 WGs.
- **E. Charvolin Lemaire**, E. Sturaro, D. Bojkovski, **C. Ligda**, **D. Tsiokos**, E. Sosin, G. Polak, S. Stojanovic, F. Tejerina + G. Leroy (FAO)



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## Huge work to describe European TB

- **Meetings with everybody to enlight the tasks and** After previous discussions in the past we organised the work in 3 phases :
- Phase I : analyse of the data
- Phase II : Case studies
- Phase III : Propose a classification that will highlight the specific needs of each transboundary population, taking into account the new questions



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## Phase I – Data on TB in Europe

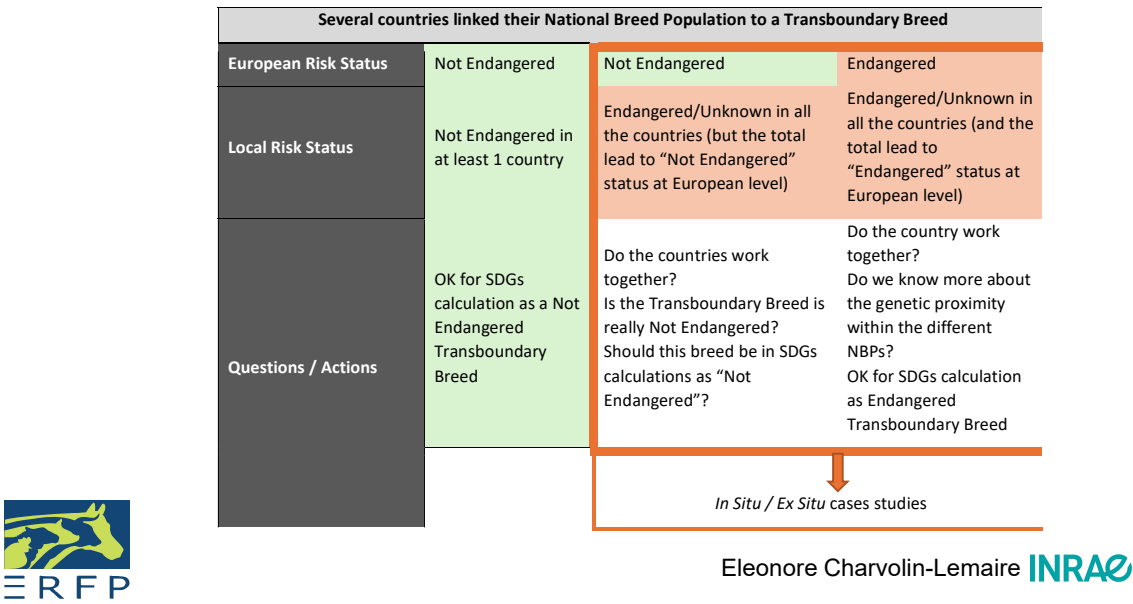
- Work for 2 full year + 1 year to write the paper
- Submission on the paper January 2025 to GenRes Journal
- Modifications requested
- New version accepted July 2025
- Waiting for Edition



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## Classification of the question and actions / situation




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## Table merging all the Transboundary breeds by Risk status situation (regional and local)

414 **Supplemental Table**  
415 Distribution of European Transboundary breeds and their Risk Status  
416 (in red TBs Endangered or Unknown at European level;  
417 in blue TBs not Endangered at European level but Endangered or Unknown in all the countries; the  
418 remaining are not endangered at European level, and in at least one country)

Specie	By 1 country	By more 2 or 3 countries	By 4 and more countries
Cattle	Azerbaijan Zebu (AZ)	Armoricain (FR, UK)	Angeln (BE, LT, UA, UK)
	Buša (AL)	Belgian Blue mixte (NL, BE)	Bazadais (BE, FR, IE, UK)
	Dahomey (NL)	Breton Black Pied (FR, UK)	Danish Red (DK, LV, LT, RO, UK)
	Fries Hollands (BE)	Caucasian (GE, RU, TR)	
	Glan Donnersberg (NL)	Caucasian Brown (AZ, GE)	
	Jutland cattle (NL)	Estonian Red (AL, AZ)	
	Möltaler (AT)	Fighting Bull (PT, ES)	
	Murboden (AT)	Greater Caucasus (AM, RU)	
	Simford (IL)	Groningen White-Headed (NL, UK)	
	Vache Maraichine (NL)	Heck cattle (NL, FR)	
		Hinterwald (DE, CH)	
		Kostroma (BY, RU)	
		Lebedin (AZ, UA)	
		Podolian (IT, RS)	
		Polish Red (PL, UA)	
		Russian Brown (BY, RU)	
		Whitebacked Cattle (LT, UA)	



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## Results from data analyses

Inconsistencies, (i.e. TBs linked to only one NBP) open the discussion on the **definitions of TBs** and the applied **criteria to link a NBP to a TB**.

Under which conditions, would be feasible to establish unified criteria, including historical data and genetic information?

Working group / TF

~~NEW-TASK~~

Gaps in data / problems : different names? Same names? are they all linked to “transboundary breed list name”?

Country expert/NCs

Environmental context: How many populations have a geographical description/adaptability to specific environment in DAD IS? In one or each country?

Working group / TF

~~NEW-TASK~~

Advances in genomics and the progress of relevant research could further enrich existing knowledge on Transboundary Breeds and support their sustainable management

Pushing for developping scientific knowledge

TBs cannot be examined exclusively through demographic data and genetic information. Several **technical, social and political aspects shape the future management opportunities**.

TF


PHASE-2

in-Lemaire

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## Phase II : In Situ cases

- Meetings every month from September 2025 to April 2026 for case studies
- Using the case studies already proposed in previous meetings
- Using the table of the article to find some new case studies if needed
- Share the first results of this work during Doc and Info meeting 2026 ; using the first results to encourage countries for implementing their data on Transboundary breeds
- Considering WG propositions to continue the work and share in General Assembly 2026
- Organize already Phase III :
  - establish unified criteria, including historical data and genetic information ?
  - Geographical distribution
  - To go to guidelines



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