

1

- Short introduction on the TF (background, scope)
- The work that has been done (on line meetings, data used data analysis)
- Some findings. This will be the main part of the presentation.
- Main figures
- · Other points that we have discussed



INRAe

#### Background

- Transboundary breeds: breeds that occur in more than one country.
- DAD-IS (EFABIS) includes this information
- · ERFP (WG Doc and Info) work for
- Transboundary breeds in Europe, could be an example for the cooperation between countries on the efficient conservation breeds improve data quality and utilisation of EFABIS through better monitoring of breeds' population
- Final Goal: Make the link between data and in situ situations



INRAe

3

#### Aim of the paper on TB in database

- to describe the current situation in Europe concerning the monitoring of transboundary breeds,
- analyse the different categories and understand the driving forces and the obstacles for the development of common breeding (and conservation) programs, focusing on the endangered transboundary breeds.
- Furthermore, the role that ERFP could play in this direction is also discussed

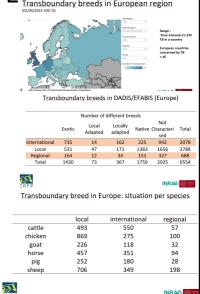


INRAe

## Paper 1 (Genres Journal): Transboundary breeds in DAD IS/EFARIS

#### Part 1 : Draw a picture

- How many TB in Europe? Regional and international breeds and focus on regional one > Pay attention to "small" populations that have been exported and reported in another region.
- Do we have countries without any TB breed?
- Nb of countries reporting these breeds (per breed -> Build a graph (Nb of breeds declared by 2 countries, 3, 4, more) Could show the importance of only 2 or 3 countries for these breeds.
- Repartition of TB breeds / risk status (SDG 2.5.2), build some categories (breeds
  endangered in all countries, breeds not endangered in one country but in the
  other one they are)
- Is there conservation programmes, in and ex situ?
- How many of these breeds are native for 0, 1, 2 or more countries? > Responsibility
- How many TB are native/locally adapted? = TB but with some importance for the country



\_

# Paper 1: Transboundary breeds in DAD IS/EFABIS

#### Part 2: Show the gaps/problems

- Analyse of the lack of datas, problems : different names? Same names? are they all linked to "transboundary breed list name"?
- Environmental context > How many populations have a geographical description/adaptability to specific environment in DAD IS? In one or each country?

#### Different approaches:

- AS Europe is a large provider of breeds around the world, some breeds could be International but not with a big population size. Check if it is relevant to take only European breeds or international with small population should be taken.
- In any case, we will exclude breeds that are not "Native" or "Locally adapted" in at least one country in European region.
- We are focusing on Regional Transboundary breeds. A specific part could be developed around small populations that are International but Native/Locally adapted from a European country.





#### Work of the TF - 2022/2023

- 10 on line meetings
- Exchanges during WG meeting in Toledo
- Data analyses / DAD IS > Dimitrios + Gregoire
- Draft in progress
  - number of transboundary and regional breeds in Europe
  - Do we have countries without any TB breed
  - Do we have some countries some countries with a major part of Regional TB? > Use the indicator developed for EEA
  - number of breeds with different names in a country linked with the same transboundary breed
  - number of transboundary breeds per country (all species) and a second table restricted to cattle, sheep, goats, horses, pigs
  - Transboundary breeds classified as native / locally adapted / exotic

  - Transboundary breeds risk status— show examples with different risk status in different countries (breeds endangered in all countries, breeds not endangered in one country but in the other one they are)

    Show examples of countries where different breeds are linked with the same TB -provide comments / explanations / open for discussion (one example with discussed with Dimitris is the case of Serbia where Yugoslav Zackel is linked with several breeds in the country (Karakachan (this breed exists also in Greece (reported in EFABIS), Bulgaria (not reported), North Macedonia (reported), but not linked to a transboundary breed name. Topic for the article (case studies) discussion on definitions
  - Other examples (Slovenia Italy Austria / France Spain/ France Italy/ Poland Germany) (not necessarily all, only for the ones that we have the time at this stage



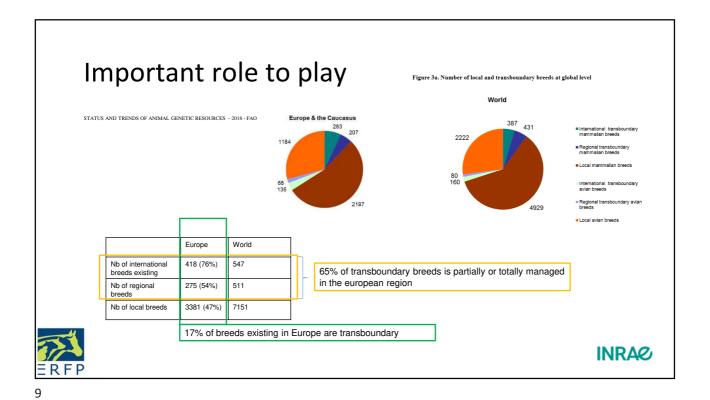
INRAe

#### Material and methods

- Members of the ERFP Task Force team are members of the three ERFP WGs and breeding societies experts (which are familiar with the issue of transboundary breeds)
- online meetings to work at two levels:
  - Analysis of available data for transboundary breeds on DAD-IS/EFABIS, identification of gaps and common errors of classification
  - Identification of cases: different species and different geographical areas discussed in order to highlight different AnGR management that would require sharing of knowledge between different countries, but also highlighting actions that could be undertaken by a set of countries.



INRAe



total number of transboundary breeds in Europe, and then present only the regional transboundary breeds Category Local mammalian breeds % du total total\_breeds dans Category total breeds In the world, 0.598598599 4 784 13% of the breeds Regional transboundary mammalian 0,053303303 426 are transboundary International transboundary mammalian breeds 0.050425425 403 Local avian breeds 0,266141141 2 127 Regional transboundary avian breeds 0,011636637 93 In Europe, 17% of the breeds are % du total total\_breeds dans Category Category Local mammalian breeds total\_breeds transboundary, 2 022 0,533931872 and 6% are only in Europe Regional transboundary mammalian 0,050699762 International transboundary 0,072880908 7,7% of Mammalian breeds mammalian breeds Local avian breeds 0,291259572 existing in Europe are 0,017428043 Regional breeds (192 International transboundary avian 0,033799842 breeds) INRAe From DAD IS 08/08/2023 (breed diversity tool)

### Countries without any TB breed

- In the world, only few countries without any TB declared
- In Europe, TB breeds in each country



INRAe

11

## Risk Status of Transboundary breeds in

Europe

281 breeds are transboundary and still existing only in Europe

			At least		
			one		Report
			NBP	100%	ed only
	Total		not at	unkno	once in
	number	Extinct	risk	wn	Europe
Regional breeds	286	5	35	93	94
National breed populations linked to regional					
breeds	672	33	39	301	
Gregoire Leroy, FAO, 08/2023					

Only 35 breeds are « Not at risk » in at least 1 country

- > 88% of European Transboundary breeds are declared as « At Risk » or « Unknown » everywhere in Europe
- > 38% are completly « Unkown » = Without any population data



> 32% are reported only by one country

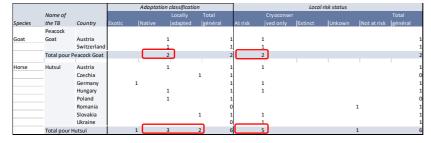


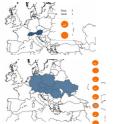
Are they TB? Clean your data,

Alert on a existing population in another country to improve the quality of data, and improve the management of population by communications Alert One Alert



## Adaptation classification and Local risk status Some examples



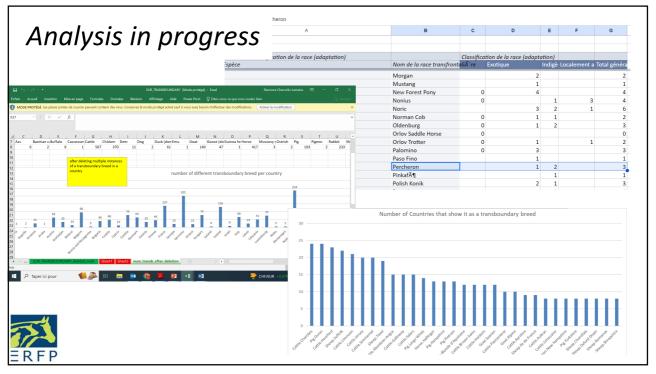


- · Native/Locally adapted in main countries
- At risk (or unknown) everywhere
- How many breeds in this case?
- Links between countries?
- > Description of the different situations



Publication of the European watch list on TB Exchanges with in situ WG and Ex Situ WG

INRAe



## Workplan

- End of 2023 > 1st paper
- End 2023 2024 > work with in situ cases/ comparison between reality and data



**INRA**