

# **ERFP WG “documentation and information”**

## **Annual Report**

ERFP Assembly, Nantes, 24.08.13

*Christina Ligda, Chair of the WG*

# WG Annual Meeting in Padova

- WG meeting: 4-5 July 2013, Rome
  - The revision of the transboundary breeds list (in collaboration with the ad hoc action )
  - Other issues related with EFABIS (new reports)

# Agenda of the meeting

- Presentation of the ERFP ad hoc action
- Presentation of the web tool , including statistics of the results
- New outputs for cryo conserved material
- EFABIS issues : New outputs /Population data upload format / PEDs
- Improving data quality in DAD-IS/EFABISnet: the transboundary breed list (FAO)
- Preparation of the 2nd report on the SoW's animal genetic resources for food and agriculture (FAO)

# General overview

- 39 new transboundary names proposed by 5 countries (one empty name)
- 348 breeds from 15 countries updated
- 221 deleted entries in int\_name
- 90 updated breeds linked to 70 existing names
- 37 updated breeds linked to 27 new names
- 12 breeds 'auto-linked' to 12 new names
- 1 new transboundary name not linked at all

# New names proposed (using the webtool until 01-07)

- Czech Republic – 7
- Hungary – 1
- Netherlands -24
- Montenegro -1
- Turkey - 7

# Outcomes -1

- Review the transboundary breeds list
- Discussion focusing on transboundary breeds that were not linked to any breeds, or linked only once
- Proposals, either as new names to replace existing ones, or new names for breeds not included in the list
- Export of an xls file with specific remarks
- Diffusion of the list to NCs asking for remarks and suggestions
- Review the comments and send the agreed list to FAO with specific remarks

# Agreed proposals

breed name	species	action	Breed name
Buša	Cattle	Delete	replaced by Busha
Busha	Cattle	Add/Replace	Buša
Dutch Friesian	Cattle	Add/Replace	Fries Holland
Fries Hollands	Cattle	Delete	
Glan	Cattle	Replace	Glan Donnersberg
Glan Donnersberg	Cattle	Delete	
Hungarian Grey Cattle	Cattle	Add/Replace	Hungarian steppe
Hungarian Steppe	Cattle	Delete	
Jutland cattle	Cattle	Add	
La Maraichine	Cattle	Add	
Maas-Rijn-Ijssel	Cattle	Delete	
Meuse-Rhine-Yssel	Cattle	Add/Replace	Maas-Rijn-Ijssel
Piedmont	Cattle	Delete	
Piemontese	Cattle	Add/Replace	Piedmont
Podolian	Cattle	Replace	Yugoslav Steppe
Yugoslav Steppe	Cattle	Delete	
Sweedish red	Cattle	Add	
Polish Whitebacked Cattle	Cattle	Add/Replace	Whitebacked Cattle
Whitebacked Cattle	Cattle	Delete	

<b>breed name</b>	<b>species</b>	<b>action</b>	<b>Breed name</b>
Booted Bandam	Chicken	Add	
Breda	Chicken	Add	
Dutch Bantam	Chicken	Add	
La poule de Herve	Chicken	Add	
Naked Neck	Chicken	Add	
Owl-bearded	Chicken	Add	
Polands	Chicken	Add	
Miniature Crested	Duck (domestic)	Add	
North Holland White Bibbed Duck	Duck (domestic)	Add	
Balkan goat	Goat	Add	
Chamois coloured	Goat	Add/Replace	Chamois coloured
Coloured Chamois Goat	Goat	Delete	
Dutch landrace goat	Goat	Delete	
Dutch White Goat	Goat	Delete	
Ottoman	Goat	Add	
Landaise	Goose (domestic)	Add/Replace	Oie des Landes
Oie des Landes	Goose (domestic)	Delete	



<b>breed name</b>	<b>species</b>	<b>action</b>	<b>Breed name</b>
Czech Pony	Horse	Add	
French Trotter	Horse	Add	
Gelderland	Horse	Add	
Groningen	Horse	Add	
Kladruby	Horse	Delete	
Old Kladruby Horse	Horse	Add/Replace	Kladruby horse
Bunte Bentheimer	Pig	Add	
Imane Landrace	Pig	Add	
Old Dutch Turbit	Pigeon	Add	
Show Homer	Pigeon	Add	
Dutch Dwarf	Rabbit	Add	
Blauer Wiener	Rabbit	Delete	
Vienesse Blue	Rabbit	Add/Replace	Blauer Wiener
Schwarze Wiener	Rabbit	Delete	
Vienesse Black	Rabbit	Add/Replace	Schwarze Wiener
Graue Wiener	Rabbit	Delete	
Vienesse Grey	Rabbit	Add/Replace	Graue Wiener

<b>breed name</b>	<b>species</b>	<b>action</b>	<b>Breed name</b>
Badger faced Welsh Mountain	Sheep	Add	
Black blazed sheep	Sheep	Add	
Finnisch Landrace	Sheep	Add	
Hamdani	Sheep	Add	
Improved Valachian	Sheep	Add	
Karakachan	Sheep	Add	
Merino	Sheep	Replace	Merino Longwool
Merino Longwool	Sheep	Delete	
Mutton Merino	Sheep	Add	
Norwegian spelsau	Sheep	Add/Replace	spélsau
Olkusz	Sheep	Add	
Spélsau	Sheep	Delete	
Sumavska	Sheep	Add	
Tushin	Sheep	Add	
Yugoslav Zackel	Sheep	Delete	
Zackel	Sheep	Add/Replace	Yugoslav Zackel

# Outcomes -2

- New outputs for cryo conserved material (ad hoc action: European Register of Cryomaterial from Transboundary Breeds on the Basis of National CryoWEB Genebank Databases)
- New reports for population data (ad hoc action: New annual reports in EFABIS)
- Population data upload (Document describing the structure of the population data file )
  
- Report to Management Committee on the changes (European specificities)

## Population data upload in EFABIS

1. About this document
  1. Introduction

The purpose of the document is to describe a protocol for mass uploading of populations statistics data in the European Farm Animal Biodiversity Information System (EFABIS)
  2. What is included in the document

The document describes the data input file containing populations statistics and the steps to be taken to load these statistics in EFABIS. It also deals with the data checks and the procedures for error handling.
  3. What is not included in the document

The document describes the population data input file for EFABIS, but does not provide any assistance with the creation of this file. The preparation of the input file is responsibility of the respective National Coordinator.
  4. Target audience

The document is aimed at National Coordinator (NC) who will prefer to upload all the population statistics data using file and not the web interface of EFABIS. These include inter alia NCs from countries having non-EFABIS national databases for monitoring of their farm animal genetic resources.

## 2. Terminology

EFABIS – European regional node of the FABISnet network

NC – National Coordinator for management of animal genetic resources

## 3. Data format

The population data must be provided via pipe separated ('|' character is used as a field delimiter ) text file. The file name can be any file name in the operating system of the user and is ignored on upload. The file content must be encoded in utf-8 character encoding. Each line in the file contains population data for a single year for one breed. There must be only one line in the file per breed per year. In case there are several lines containing population data for the same breed and year, all lines will be processed, but the lines which occurs later in the file will overwrite the changes from the previous ones. Each line must be complete, i. e. it must contain 21 positions, however some of them could be empty.

The order of the breeds and the years is irrelevant, the file is processed line by line. The file does not have a header, data starts from the first line. Each line has the following structure:

Pos	Field	Type	Description	Rules	Example
1	Most common name	String	The most common name for the breed in the country as registered in EFABIS	1. Cannot be empty	Brown Swiss
2	Species	String	The species name as registered in EFABIS	1. Cannot be empty	Cattle
3	Country name	String	The English name of the country as registered in EFABIS	1. Cannot be empty	Bulgaria
4	Year	Date	Year to which data on population size and structure refers.	1. Cannot be empty 2. A 4 digits year	2006
5	Population size (lower value)	Integer number	The total population size should include all animals in the population structure including young animals and cross-breeds. If the exact population size is known enter it both as lower and upper value. If the exact population size is not known please provide a reasonable guess. In this case provide a range and state that the total population is between the lower and the upper value of the range. For the year of extinction please enter 0 as lower range of the total population size.	1. Cannot be empty 2. Less than or equal to Population size (upper value) 3. Between 0 and 100000000	1000
6	Population size (upper value)	Integer	The total population size should include all animals in the population structure including young animals and cross-breeds. If the exact population size is known enter it both as lower and upper value. If the exact population size is not known please provide a reasonable guess. In this case provide a range and state that the total population is between the lower and the upper value of the range. For the year of extinction please enter 0 as upper range of the total population size.	1. Cannot be empty 2. Greater than or equal to Population size (lower value) 3. Between 0 and 100000000	6300
7	Population figures based on	String	The source of information of population size	Allowed values: census at species level census at breed level survey at species level survey at breed level	census at breed level

Pos	Field	Type	Description	Rules	Example
8	Trend	String	The trend of the total population size in the respective year	Allowed values: increasing stable decreasing unknown	stable
9	Trend females	String	The trend in the number of breeding females. This field is specific for EFABIS	Allowed values: increasing stable decreasing	decreasing
10	Trend no of breeding herds	String	The trend in the number of herds or flocks. This field is specific for EFABIS	Allowed values: increasing stable decreasing	increasing
11	Breeding males (no)	Integer number	Number of breeding males of reproductive age, not necessarily used for breeding.	1. Less than or equal to Population size (lower value) 2. Between 0 and 100000000	200
12	Breeding females (no)	Integer number	Number of breeding females in age of reproduction, not necessarily used for breeding.	1. Less than or equal to Population size (lower value) 2. Between 0 and 100000000	5000
13	Females registered in herdbooks (no)	Integer number	The number of females used for breeding and registered in herd book, studbook or similar registry.	1. Less than or equal to Population size (lower value) 2. Less than or equal to Breeding females (no) 3. Between 0 and 100000000	2434

Pos	Field	Type	Description	Rules	Example
14	Females bred pure (%)	Integer number	Percentage of females that are used for breeding and mated to sires of the same breed population.	1. Between 0 and 100	75
15	Herds (no)	Integer number	The number of all herds/flocks.		256
16	Herd Size (avg)	Integer number	The average number of animals per herd/flock.	1. Between 0 and 100000	85
17	AI used	String	Indicate whether Artificial Insemination (AI) is used	Allowed values: Yes No	Yes
18	Males in AI	Integer number	Enter the number of males used in artificial insemination.		45
19	Males in natural service	Integer number	Enter the number of males used in natural service.		123
20	Conservation programme	String	Is a conservation programme implemented for this breed population?	Allowed values: Yes No	Yes
21	Reliability	String	Indicate the reliability of the demographic data (population size, number of females, males, etc...)	Allowed values: very reliable reliable not reliable unknown	reliable



## From the Status and Trends report (Bratislava 2012)

- Rather limited degree of completeness
- Not regular updates
- Confusions on the information to be entered
- Reliability of the data?
  
- As a result → Not wide use of the tools

# Number of countries and year of last update of EFABIS (Bratislava 2012)

<b>Year of last update</b>	<b>Number of countries</b>
2012	18
2011	4
2010	2
2009	3
2008	1
2007	17

# Number of countries and year of last update of EFABIS

Year of last update	Number of countries (2013)	Number of countries (2012)
2013	7	
2012	15	18
2011	1	4
2010	2	2
2009	3	3
2008	1	1
2007	16	17

2013	7	AT	BG	DE	GR	NL	PL	UA									
2012	14	CZ	IE	IT	MD	ME	NO	PT	RS	SK	SI	ES	SE	CH	TR		
2011	1	FI															
2010	2	IS	RO														
2009	3	EE	GE	UK													
2008	1	CY															
2007	16	AL	AM	AZ	BY	BE	BA	DK	FR	MK	HU	IS	LU	LT	LU	MT	RU

With no EFABIS account:

Armenia, Belarus, Bosnia and Herzegovina, Israel, Latvia, Lithuania, Luxembourg, Malta, The Former Yugoslav Republic of Macedonia

# Points for discussion - 1

- Review and correct old data (both population and description)
- Review the list of the transboundary breeds and correct / update the data in EFABIS
- Propose amendments to existing reports / or new reports specific for the European node

# Points for discussion – 2

## Reports

- Possible new reports:
  - *Degree of completeness of EFABIS and number of breeds per country*
  - *Number of breeds with population data compared with total number of breeds*
  - *Frequency of updating the population size in EFABIS (for a specific period of years)*
  - *Degree of completeness of EFABIS based on PDI (for a specific period of years)*
  - *Trends of population size by species*
  - *Population trends over the years overall species or by species for a given period of years*

## Points for discussion – 3

- Establish a regular update of population data in EFABIS by the NCs
- Develop a way to facilitate data transfer (import / export) to EFABIS, at least for the population data

# Workplan 2013-14

- Role of the WG for the preparation of the 2<sup>nd</sup> SOW report
  - Update national data by April 2014
  - Follow up status of reporting ?
    - December
    - February
    - March
    - April
- New reports (in connection with the ad hoc action)
- New breed classification / PEDs
  
- WG meeting – (or Workshop?)
  - Possible dates: 30 October to 2 November / 26-29 November / February – March 2014
  - Possible location: Thessaloniki