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DE ESPAÑA

MINISTERIO
DE AGRICULTURA, PESCA
Y ALIMENTACIÓN



Transboundary breed:

Example of Pottoka and Pottok



GS. Means of livestock production
Ministry of Agriculture, Fisheries and Food



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Summary:

- Information on Pottoka and Pottok: origin, characteristic, uses, management, some facts- evolution.
- Current situation: breeding books
- Challenges: ABR - R(EU) 2016/1012



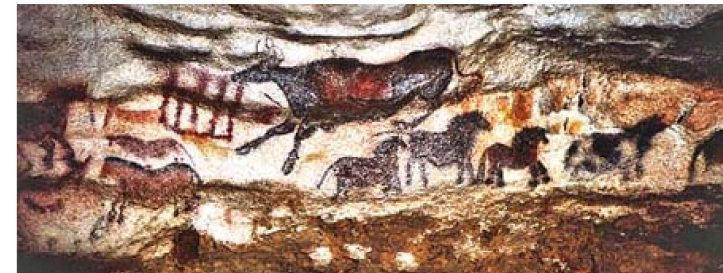
Pottoka/Pottok

- **Names:** Pottoka (ES), Pottok (FR), (Basque Pony (ES))
- **Origin:** Basque country (30.000 years ago – cave paintings)
- **Farming system:** semi-liberty, in herds
- **General description:** robustness, docility, easiness to learn
- **Traditional uses:** work (agriculture and mining), hunting, smuggling, meat, circus (piebald)...

Key role in the preservation of meadows and mountains



Ekain Caves, Guipúzcoa (ES)

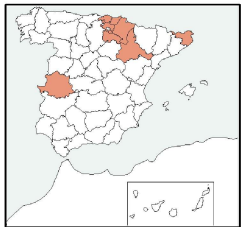


Lascaux Caves, department of Dordogne (FR)

Geographical distribution

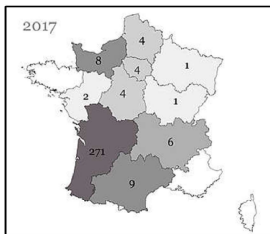
- Geographical distribution:(origin) <<**Basque country**>>

Cradle of Pottoka



□ SPAIN:

- ✓ Mainly in Basque country and Navarra (beginning)
- ✓ 2013: 6 autonomous regions (Aragón, Cataluña, Extremadura, La Rioja, Navarra and Basque country)



□ FRANCE:

- ✓ Cradle/ where breeding of Pottok was originated: French Basque country (Labourd, Lower Navarre, Soule) /BB (some regions in Atlantic Pyrenees: Anglet, Bayonne, St Jean de Luz, St Palais...among others)
- ✓ It is also located in other regions of FR (Nouvelle-Aquitaine, Occitaine, ARA, Normandy...among others)



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Threats and changes:

- ↓ Traditional uses: Mechanisation of farming...
- ↓ Reduction of the natural habitat where they could live freely
- New interests/ trends

Population decline

Horse-riding (children), competition, sport and leisure activities:
Hippotherapy, Tourism
Some of these news uses: taller, attractive colour → Crossbreeding

Breed classification: risk status

✓ Official Catalogue of Spain Livestock breeds: National system to establish the risk status of the breed - Pottoka is an autochthonous **breed in danger of extinction**.

✓ Race local: rural code / **Races menacées d'abandon pour l'agriculture**

(Local breeds in danger of being lost to farming)



POTTOK (FR)	2018
Stallions	94
Mares	955
Births	335
Renewal	386
Total	1770

Source: Ifce


POTTOKA (ES)	2018
Stallions	81
Mares	747
Births	19
Holdings	128
Total of animals	1.253

Source: ARCA



FAO classification:


- **Definition (FAO) -Transboundary breeds:**
“breeds that occur in more than one country”
- According to the information on DAD-IS: TB located in France and Spain
- Both are **native** breeds that are **at risk** in each country

Language	sp.
Transboundary breed name	Pottok
Geographical classification	Regional
Breed Classification (adaptedness)	Native
Risk level	
Local Breed Risk Level	At Risk
Transboundary Breed Risk Level	At Risk

Domestic Animal Diversity Information System (DAD-IS)

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[National Coordinators](#)
[Regional/National Nodes](#)

Transboundary breeds



Regions: (Todo)

Country: (Todo)

Species: (Todo)

Transboundary Breed: Pottok

Number of national breed populations: 1

EFABIS:

EFABIS tool – Risk and trends:
comparing breeds on population
structure development



EFABIS tool – Transboundary
breeds: Population summary



Spain / Horse / Pottoka									
Year	Population Min / Max	No. of breeding ♀ / ♂	No. of herds	No. of ♀ registered	% ♀ being bred pure	Ne	Estimated ↑ in F per year	Risk status (FAO - National level)	Risk status (EAAP - National level)
1995	570 / -	170 / 400	150	-	100	477	-	Endangered	Potentially Endangered
1999	100 / 1000	20 / 300	22	-	100	75	-	Critical	Potentially Endangered
2001	100 / 1000	15 / 300	-	300	-	57	-	Critical	Not Endangered
2013	1391 / 1391	69 / 716	274	716	0	252	-	Endangered	Not Endangered
2014	1355 / 1355	93 / 765	129	765	16	332	-	Endangered	Potentially Endangered
2015	1161 / 1161	80 / 791	112	791	9	291	-	Endangered	Potentially Endangered
2016	1140 / 1140	69 / 761	107	761	12	253	-	Endangered	Potentially Endangered
2017	1170 / 1170	67 / 748	104	748	20	246	-	Endangered	Potentially Endangered
France / Horse / Pottok									
Year	Population Min / Max	No. of breeding ♀ / ♂	No. of herds	No. of ♀ registered	% ♀ being bred pure	Ne	Estimated ↑ in F per year	Risk status (FAO - National level)	Risk status (EAAP - National level)
1983	256 / -	21 / 235	-	-	91	77	-	Critical	Potentially Endangered
1990	232 / -	27 / 205	-	205	74	95	-	Critical	Not Endangered
1993	166 / -	25 / 141	44	103	73	85	-	Critical	Potentially Endangered
1994	166 / -	25 / 141	-	103	73	85	-	Critical	Potentially Endangered
2001	2670 / -	110 / 676	-	676	98	378	-	Endangered	Not Endangered
2014	1029 / 1029	100 / 929	-	-	91	361	-	Endangered	Not Endangered

Most Common Name	Country	National Risk Status	Risk level	Population size Min	Population size Max	Breeding Female	Breeding Male	Female Bred Pure
Pottok	France	At Risk	🔴	1029	1029	929	100	91
Pottoka	Spain	At Risk	🔴	1170	1170	748	67	20



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Managing the breed: evolution and current situation



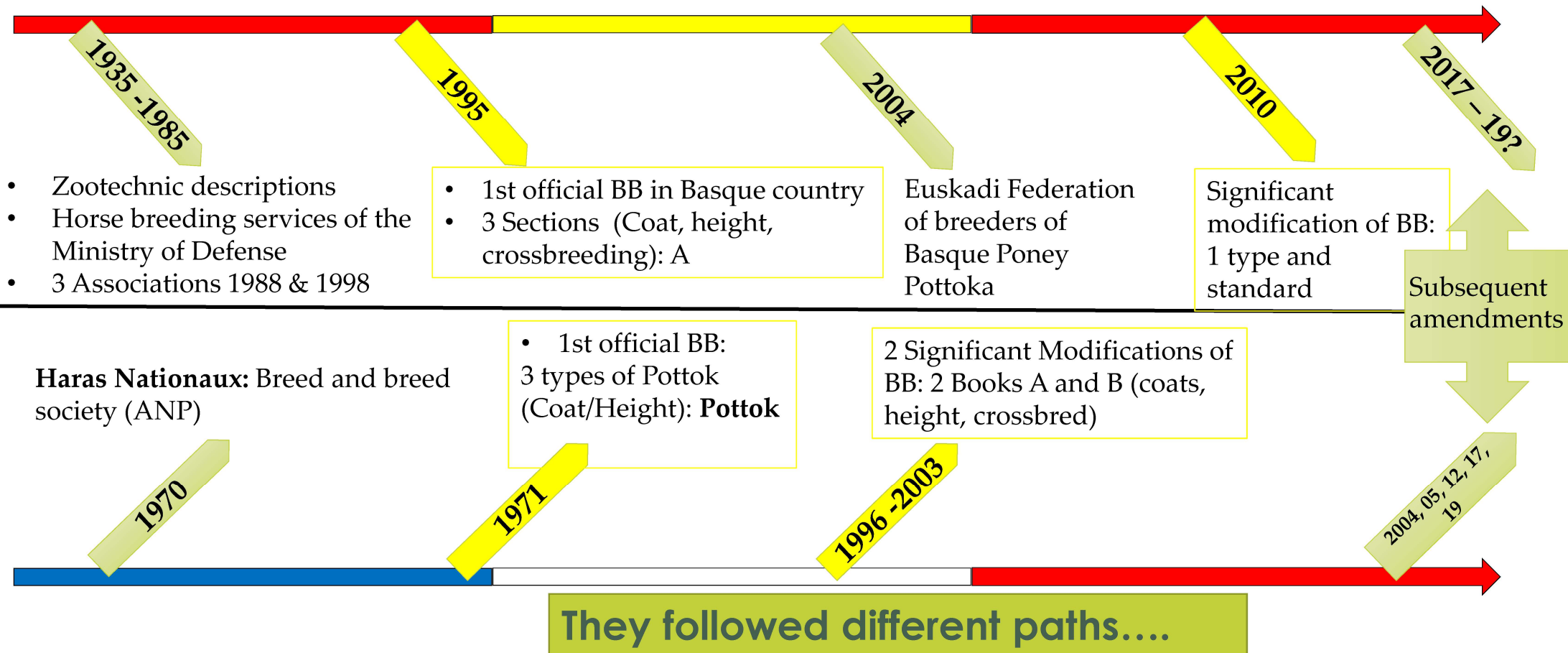


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Some chronological details:



Management of the breed:

BREED SOCIETIES:

- Officially recognised:

- ✓ **Association Nationale du Pottok** (National Association of Pottok (FR))
(Société française des équidés de travail)
- ✓ **Federación de Criadores de Poney Vasco de Raza Pottoka de Euskadi** (Euskadi Federation of breeders of Basque Poney Pottoka) (ES)
- ✓ **Schweizerischer Verband für Ponys und Kleinpferde (SVPK)** / Swiss Federation of Ponies and small horses (Switzerland)




BREEDING PROGRAMMES: BB + Conservation/improvement Activities

Breed standard - main traits:

source of disagreement between breeders and breed societies

Some of the current differences between Pottoka and Pottok:

1. Some differences in the **Standard**: i.e.
 - Coat
 - Height
 - Disqualifying traits
2. **Crossbreeding**
3. **Farming system**
4. **Structure and criteria to be registered in each breeding book/section**



POTTOKA (SPAIN)	POTTOK (FRANCE)
Dark brown and black	Bay, black, chestnut, piebald (varieties)
Average: 124,97 females 123,48 Males	1,15m to 1,32 mountain 1,15m to 1,50 meadow 1,68m Pottok factor
Coats different from black and dark brown Eye colour: different from very dark brown	Coat: Grey colour not admitted
Not admitted (Auxiliar Register: Females unknown pedigree conform to the main traits).	Book B: 50% pottok blood (Pottok factor)

Current breeding books:



POTTOKA (ES)

Division:

- Foundational register (closed)
- Annex Register (females conform to the characteristics of the breed + pedigree unknown)
- Birth and Definitive register (pedigree)



POTTOK (FR)

Division:

- Book A (Purebred + breed official standard A)
- Book B (crossbred + breed official standard B)
 - Pottok factor (more than 15 Arab, Selle Fr...)

Ways to be registered:

- ☐ initial,
- ☐ ancestry (depending on the book where the parents are registered),
- ☐ importation (foreign breeding books recognised by the ANP: **Swiss Federation of Ponies and small horses**).



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What could we do in similar situations?

- TB breeds
- At risk
- With a key role in preserving the ecosystem

Challenges: cooperation in the context of transboundary breeds

Scientific entities, EU
Institutions, FAO

Future European Rerefence centre
(preservation of endangered breeds)

ERFP

- **Guidances/Proposals/Examples** of common conservation strategies (in situ/ ex situ) and valorization of TB.
- Improvement of quantity and quality data in **EFABIS/DADIS**: tools for transboundary breeds
- **EUGENA**: to increase the efficiency of ex situ conservation and sustainable use of TB
- Cooperation between the three European genetic resources networks (forest, plants and animals): synergies (natural habitat/ecosystem: breed/agriculture/forest).

Country
A

CCAA
Government

Scientific entities

Breed societies
Breeder

1. Same or different breed?

- Definition of breed

- ABR definition (breeders)
- Scientific basis-characterization (molecular markers...)
- CCAA/Government: official recognition

2. Local or TB?

3. Considering it is the same breed: **Development of a common conservation strategy** within the framework of a **BP?**

Aim of the BP: common...

- In situ and ex situ conservation activities
- Actions for breed valorization
- Selection of traits of interest
- Innovation and research activities

Breeding book

2. BB: origin/ Filial

3. Different BB

4. Different breeds - BB

1. Extension of territory BP

Exchange of animals between BB:

A. Basic class in the main section

B. Main section: Other breeds (BP)

C. If not: Via supplementary sections.

Country
B

CCAA
Government

Scientific entities

Breed societies
Breeder



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AGENDA
2030

THANK YOU FOR YOUR ATTENTION!

