



ERP



EUGENA

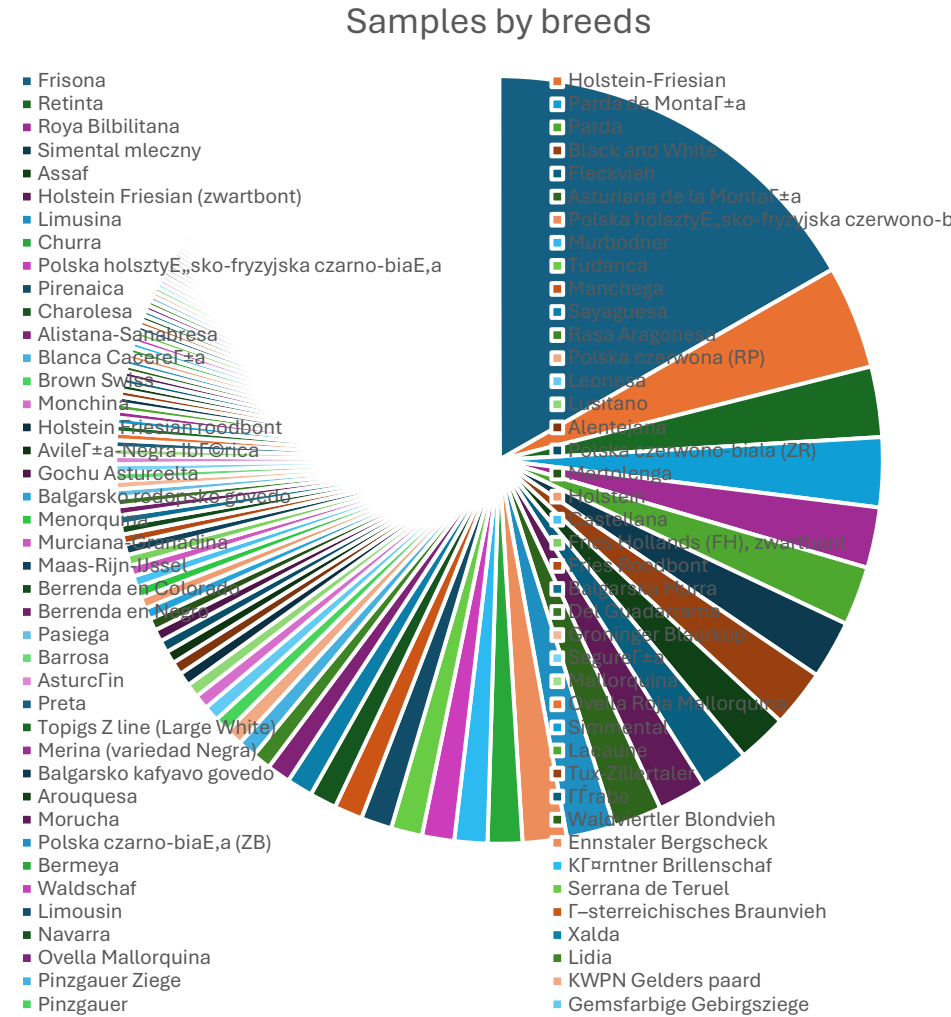
# EuGena updates, recent activities and plans

**Ewa Sosin**

National Research Institute of Animal Production, Balice, Poland

Department of Farm Animal Biodiversity Conservation and Horse Breeding

National Bank of Biological Material



# New Gene Banks in EuGena

April 2025

14 Countries  
26 Gene Banks  
4878656 Samples



May 2026

15 Countries  
30 Gene Banks  
6063859 Samples



**+ 1 country (Bulgaria)**

4 gene banks (1 Spain, **1 Bulgaria,**

**1 Slovenia, 1 Italy)**

**+ 1 185 203 new samples**

# 2025/2026 new gene banks

## Laboratorio Central de Veterinaria

🇪🇸 ESP Member of EUGENA since 2025

[SHOW GENE BANK CONTACT DETAILS](#)

Distribution of samples per material type



● Blood



BANK STORAGE

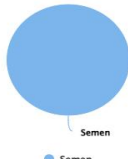
Leaflet | © Comtechsys

## Executive Agency for Selection and Reproduction in Animal Breeding

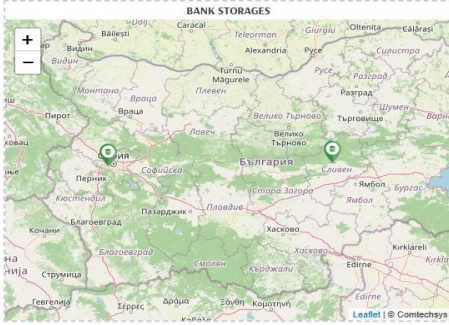
🇷🇺 BGR Member of EUGENA since 2025

[SHOW GENE BANK CONTACT DETAILS](#)

Distribution of samples per material type



● Semen



BANK STORAGE

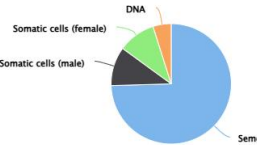
Leaflet | © Comtechsys

## Public service for Animal Genetic Resources, University of Ljubljana, Biotechnical Faculty, Department of Animal Science

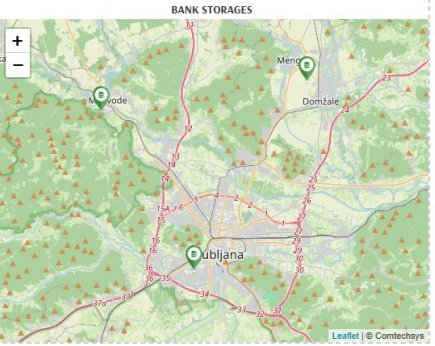
🇸🇻 SVN Member of EUGENA since 2016

[SHOW GENE BANK CONTACT DETAILS](#)

Distribution of samples per material type



● Semen ● Somatic cells (male) ● Somatic cells (female) ● DNA



BANK STORAGE


Leaflet | © Comtechsys

## IBBA-CNR Animal Germplasm Cryobank


🇮🇹 ITA Member of EUGENA since 2026

[SHOW GENE BANK CONTACT DETAILS](#)

Distribution of samples per material type



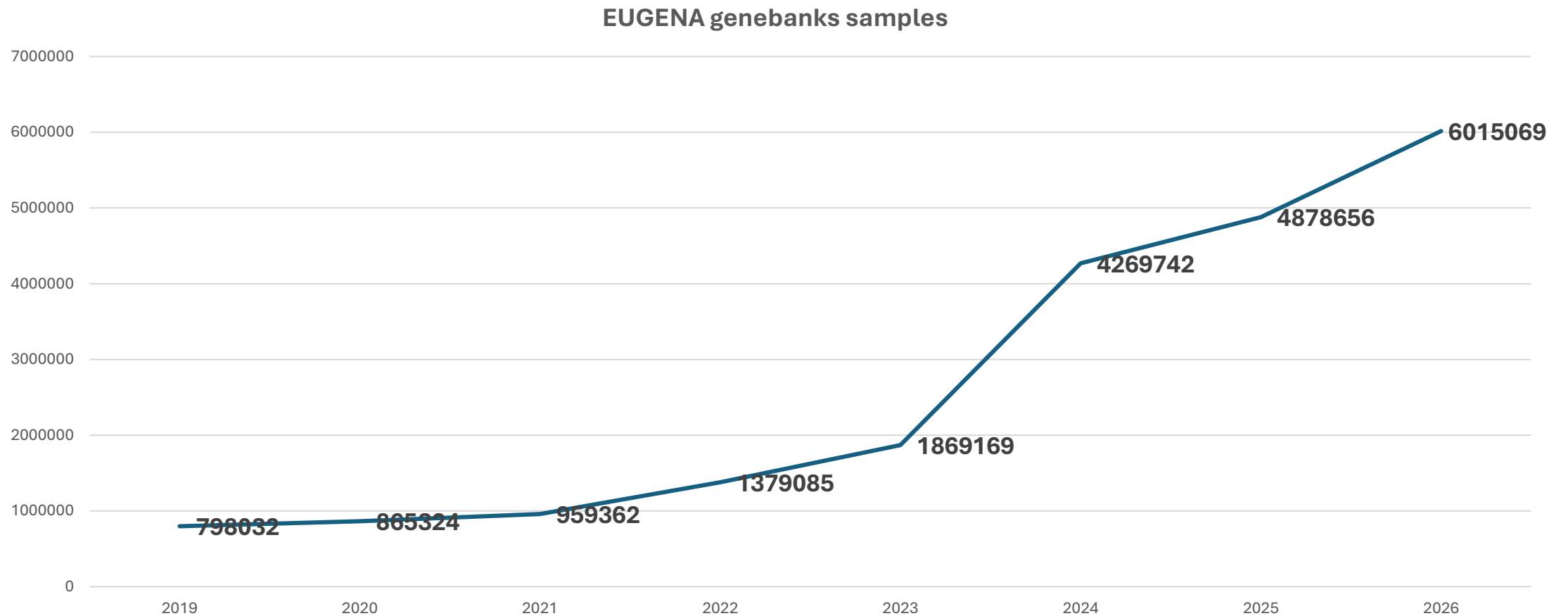
● Semen ● Blood ● Hair



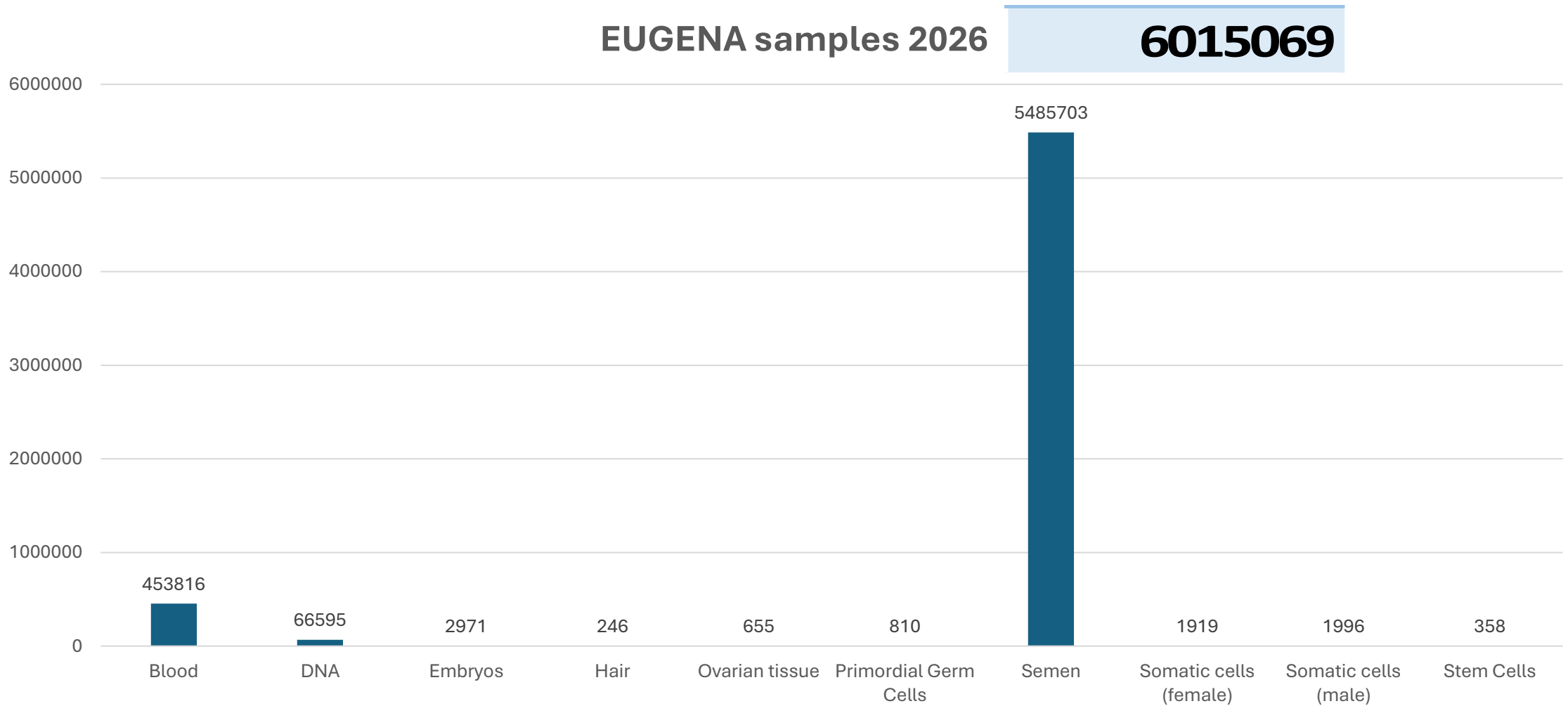
BANK STORAGE

Leaflet | © Comtechsys

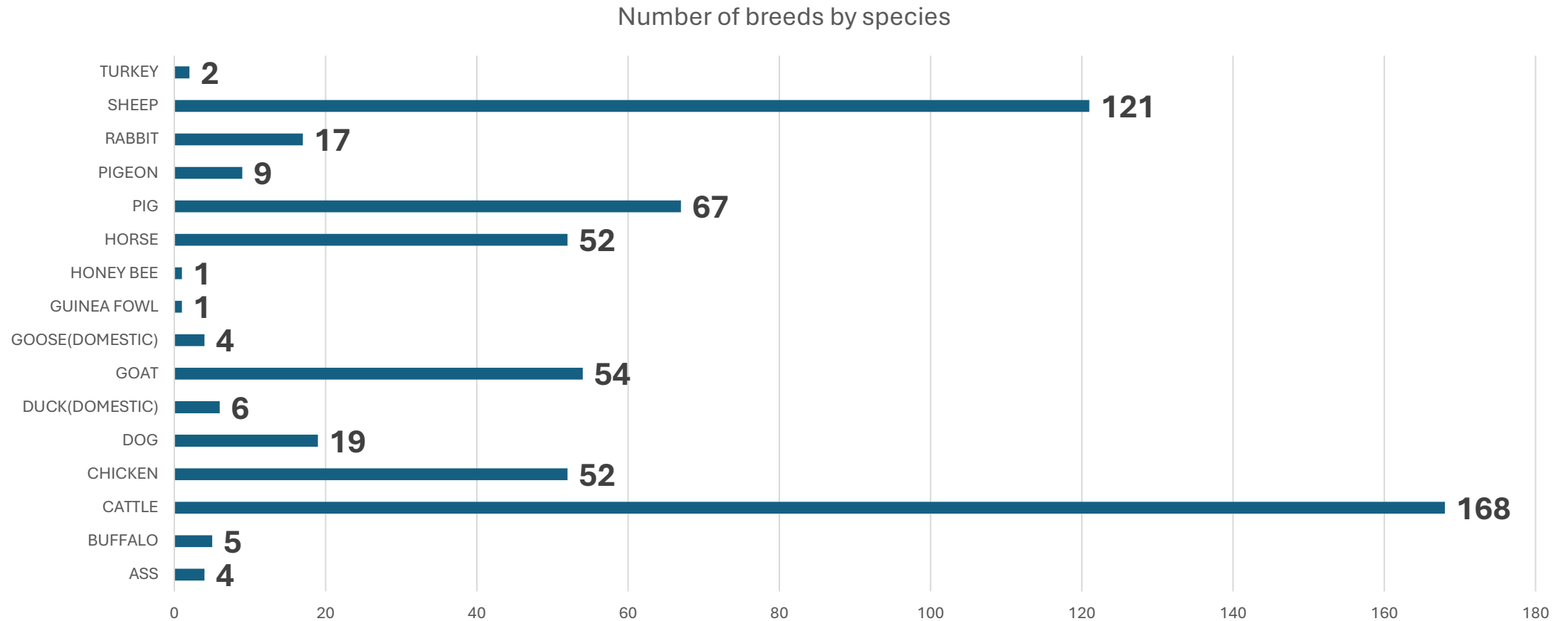
# EUGENA's genebanks samples per year



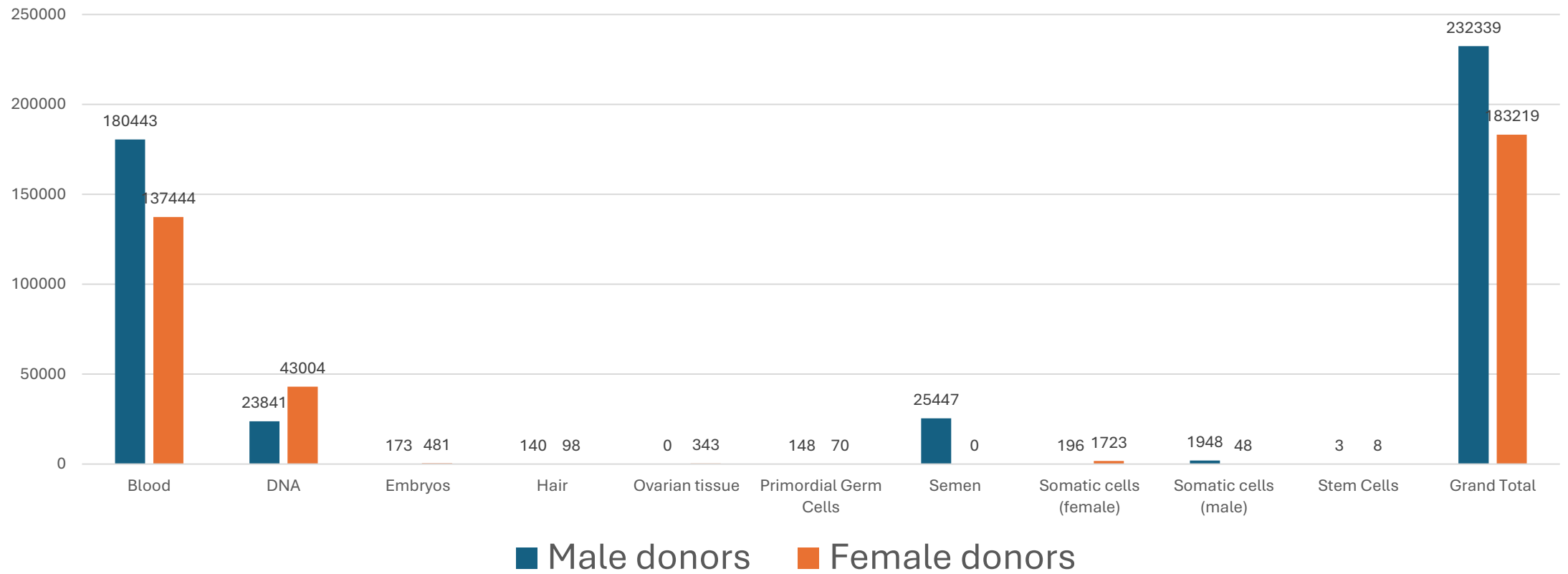
# EUGENA samples –type of material



# Material by species



# Material by sex



# Collaboration

- EuroFAANG (<https://eurofaang.eu/>) is a collaborative initiative that brings together several Horizon 2020 projects: GEroNIMO, AQUA-FAANG, BovReg, GENE-SWitCH, Rumigen, and HoloRuminant.
- March, 2025 – Letter of support to GenoPhenix which now includes the whole EuroFAANG consortium and its objectives.

Biobanking services: EUGENA gene banks could acting as mirror sites for EuroFAANG biobanks

- Sharing protocols, particularly to improve cell viability of cryoconserved germplasm or in relation with the legal status of the material in the collections
- Training activities for data and metadata standards
- Phenotyping local breeds
- Communicating on each other: one improves the notoriety of the other
- Joining different users' communities across a large number of countries
- Sharing expertise in the development and operation of databases for genebanks.

# 3rd EuGena Steering Board Meeting – Olsztyn 2025, Poland

## 61st Meeting of the Society for Low Temperature Biology

Institute of Animal Reproduction and Food Research  
of the Polish Academy of Sciences



EUGENA



# 3rd SB EUGENA Meeting 10-13 September 2025, Olsztyn, Poland



## Agenda of the EUGENA Steering Board meeting

11<sup>th</sup>-13<sup>th</sup> September 2025, Olsztyn, Poland.



Host: National Research Institute of Animal Production, Institute of Animal Reproduction and Food Research, Polish Academy of Science

Chair: Ewa Sosin, Poland

11th Sept	DAY 1 – EUGENA visits Popielno, ex situ in vivo	
8:30	Registration to SLTB conference	
9:00-10:30	Olsztyn -Popielno	Research Station in Popielno
10:30-11:00	Coffee break	
11:00-11:30	Welcome in Popielno Research Station – Host	Mamadou Moussa Bah
11:30-11:45	Welcome and Introduction	Chair
11:45-12:00	Round of introductions and news from countries and genebanks	All together
12:00-12:30	Lunch	
12:30-14:30	Visit in Popielno -facilities - Konik Polski horses, Polish Black and White, Polish Red cattle The Popielno Museum	<u>Mamadou Moussa Bah</u>
14:30-14:50	Ex situ WG news and updating of the EUGENA status	Chair
14:50-15:30	Discussion of the incorporation of ex situ – in vivo facilities to EUGENA	Chair, All together
15:30-17:00	Popielno-Olsztyn	
18:00	Olsztyn Sightseeing	

Updating the status of EUGENA

Information about new tools

News from EUGENA genebanks

Genebank management and quality development tool to discuss the possibility of usage

Dissusion of in vivo genebank incorporation

aqua and avian cryoconservation

## 2. People:

- **Coordination:** Ewa Sosin (Poland)
- **Members of EUGENA SB:** Peter Chrenek (Slovakia), Annemieke Rattink (Nederlands), Krisztina Liptoi (Hungary), Srdjan Stojanovic (Serbia), Zhivko Duchevev (Bulgaria), Fernando Tejerina (Spain, on line participation), Nuno Carolino (Portugal, on line participation).
- **Observers:** Jaroslav Vasicek (Slovakia), Barbara Vega (Hungary), Agnieszka Chetmińska,



# 4. Key points from EUGENA SB meeting Olsztyn Poland

- Integration of ex situ in vivo facilities into EUGENA – the Steering Board endorsed the AHA framework and supported further work on its implementation
- Development of guidelines for national animal health regulations for gene bank material – the Steering Board took note of the newly developed guidelines and encouraged their further implementation and development.
- • Implementation of new tools and Quality Management Systems (QMS) – the Steering Board approved the outcomes of the AHA activities and agreed to conduct an evaluation of quality management in EUGENA gene banks, on a voluntary and anonymous basis.
- • Strengthening dissemination and visibility of EUGENA activities – the Steering Board approved the initiative to share gene bank information and visual materials
- • Reinforcing collaboration with SLTB and European partners – the Steering Board reaffirmed the importance of continued cooperation

# Next SB EUGENA meeting – Nitra, Slovakia

10-11 June, Nitra, Slovakia - hybrid form



Host: Peter Chrenek, Slovakia

Chair: Ewa Sosin, Poland

10 <sup>th</sup> June		
	<b>SB Members Arrival</b>	
19:00	<b>Dinner</b>	
11 <sup>th</sup> June	<b>EUGENA STEERING BOARD MEETING</b>	
9:00-9:05	Welcome and Introduction	Chair and Host
9:05- 9:20	Round of introductions	All together
9:20-9:35	Slovakian Genebank	Peter Chrenek
9:35-10:00	Using stem cells for AnGR conservation in Slovakia	Jaroslav Vasicek
10:00-10:20	Updating of the EUGENA status	Chair
10:20-10:50	New genebanks-presentation	Zhivko Ducheve - IASRJ (EASRAB) Tina Flisar - JSGBŽ Federica Turri- IBBA
10:50-11:00	Genomic Databases for Genebanks	AnneMieke Ratink
11:00-11:20	<b>Coffee Break</b>	
11:20-12:00	Visit to Laboratories, Genebanks: in vitro and in vivo	
12:00-12:40	Genebank Quality Questionnaire Results and Discussion	Chair + All together
12:40-13:30	Ex situ in vivo definition and work on new – "Terms of EUGENA"	Zhivko Ducheve
13:30-15:00	<b>Lunch</b>	
15:00	Visit to AI Center	
16:00	Departure of participants	

Updating the status of EUGENA

Ex situ in vivo genebanks in EUGENA – Terms of Reference

News from EUGENA genebanks and presentation of new genebanks

Another step for better harmonisation of genebanks standards and procedures – result of Quality management questionnaire

# Next:

- Developing EUGENA - new countries and genebanks
- Developing EUGENA – ex situ in vivo facilities
- Projects- discussion about the possibilities (in Nitra next month)
- Evaluation of EUGENA genebanks management – IMAGE tool

**Thank you for your attention!**