

**METHOD FOR
EX SITU CONSERVATION OF ANIMAL GENETIC
RESOURCES USING IN BULGARIA**

CRYO CONSERVATION OF FROZEN SEMEN

VALENTIN GEORGIEV

**EXECUTIVE AGENCY
FOR SELECTION AND REPRODUCTION IN ANIMAL BREEDIND,
BULGARIA**



**EXECUTIVE AGENCY
FOR SELECTION AND REPRODUCTION
IN ANIMAL BREEDIND
AT
MINISTRY OF AGRICULTURAL , FOOD
AND FORESTRY**

**EXECUTIVE DIRECTOR OF EXECUTIVE AGENCY
FOR SELECTION AND REPRODUCTION IN ANIMAL
BREEDIND
IS**

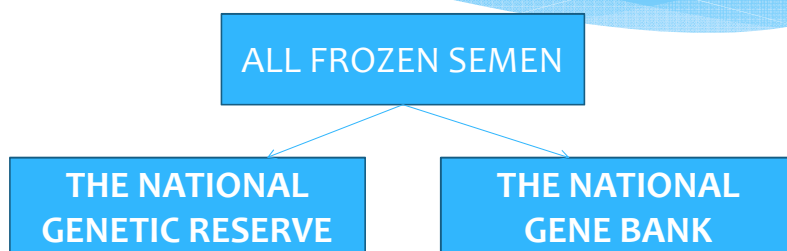
**NATIONAL COORDINATOR OF ANIMAL GENETICS
RESOURCES**

BASIC FUNCTIONS OF EXECUTIVE AGENCY FOR SELECTION AND REPRODUCTION IN ANIMAL BREEDING

1. assists the Minister to provide the state policy in the field of animal breeding, management and conservation of An GR;
2. manages the National gene bank;
3. manages state AI stations;
4. manages state milk laboratory;
5. manages the National Reference DNA laboratory;
6. is a competent authority for carrying out official controls in accordance with REGULATION (EU) 2016/1012.



THE NATIONAL GENETIC RESERVE AND THE NATIONAL GENETIC RESERVE



THE NATIONAL GENETIC RESERVE FROM FROZEN SEMEN OF BULGARIA

SECTION IN SOFIA



SECTION IN SLIVEN



THE NATIONAL GENETIC RESERVE OF BULGARIA IN CATTLE BREEDING

	Breeds	Number of bulls	Number of semen doses
1	Holstein Friesian	35	23 428
2	Holstein red	9	5 780
3	Bulgarian black and white cattle	152	145 668
4	Brown cattle	45	39 091
5	Bulgarian brown cattle	17	17 390
6	Danish red	5	4 630
7	Angler	3	30
8	Montbeliard	3	3 000
9	Simmental	18	15 176
10	Bulgarian Rhopope cattle	28	24 508
11	Ayrshire cattle	5	1 284
12	Jersey cattle	6	622
13	Bulgarian red cattle	7	7 271
14	Bulgarian gray cattle	6	5 201
15	Bulgarian Simental	4	2 108
16	Rhodope shorthorn cattle	6	6 005
17	Salers cattle	2	1 072
18	Limousin	21	10 100
19	Hereford /traditional/	2	523
20	Hereford /polled/	2	1 000
21	Charolais	7	3 500
22	Blonde d'Aquitaine	8	4 000
23	Gascon cattle	1	1 000
24	Kazakh Whiteheaded	2	1 000
25	Chianina	1	500
26	Marchigiana cattle	1	500
27	Romagnola	1	500
28	Aberdeen angus /black/	6	1 523
29	Aberdeen angus /red/	3	691
TOTAL:		406	327,101



THE NATIONAL GENETIC RESERVE OF BULGARIA IN BUFFALO BREEDING

	Breeds	Number of bulls	Number of semen doses
1	Bulgarian Murrah	23	19 663
2	Murrah	3	2 987
3	Nili-ravi	1	567
4	Jafarabadi	1	1 000
TOTAL:		28	24 217



THE NATIONAL GENETIC RESERVE OF BULGARIA IN HORSE BREEDING

	Breeds	Number of stallions	Number of semen doses
1	Purebred Arabian horse	2	645
2	Anglo-arab	1	500
3	Thoroughbred horse	1	458
4	Gidran	2	662
5	Pleven horse	2	761
6	Bulgarian heavy draft horse	1	1 000
7	East bulgarian horse	1	86
TOTAL:		10	4 112



THE NATIONAL GENETIC RESERVE OF BULGARIA IN SHEEP BREEDING

	Breeds	Number of rams	Number of semen doses
1	Karakachan sheep	3	795
2	Copper-red Shumen sheep	2	778
3	Local Karnobat sheep	1	185
4	Replyan sheep	4	1 058
5	Central Stara planina sheep	4	365
6	Duben sheep	1	379
7	Sakar sheep	4	1 878
8	Sofia sheep	1	606
9	West Walkan mountains sheep	4	1 088
10	Breznik sheep	1	392
11	Kotel sheep	1	100
12	Pleven blackhead sheep	3	150
13	Assaf	3	150
14	Ile-de-France	1	100
15	Australian Merino	12	15 619
16	New Zealand Merino	2	245
17	Booroola	1	9
18	Perendale Sheep	3	100
19	Corriedale sheep	1	2
TOTAL:		52	23,909



THE NATIONAL GENETIC RESERVE OF BULGARIA IN GOATH BREEDING

	Breed	Number of bucks	Number of semen doses
1	Saanen	3	300
TOTAL:		3	300



THE NATIONAL GENE BANK FROM FROZEN SEMEN OF BULGARIA

SECTION IN **SO**FOIA



SECTION IN **SL**IVEN



THE NATIONAL GENE BANK OF BULGARIA IN CATTLE BREEDING

	Breeds	Number of bulls	Number of semen doses
1	Holstein Friesian	15	111 092
2	Holstein red	3	23 650
3	Bulgarian black and white cattle	120	1 255 758
4	Brown cattle	29	105 879
5	Bulgarian brown cattle	11	140 316
6	Montbeliard	3	9 489
7	Simmental	13	40 238
8	Bulgarian Rhopope cattle	21	44 720
9	Jersey cattle	1	1 785
10	Bulgarian red cattle	1	2 355
11	Bulgarian gray cattle	6	7 472
12	Rhodope shorthorn cattle	6	6 112
13	Limousin	18	48 908
14	Charolais	7	39 195
15	Blonde d'Aquitaine	8	27 229
16	Gascon cattle	1	975
17	Chianina	1	1 230
18	Marchigiana cattle	1	1 300
19	Romagnola	1	1 270
20	Aberdeen angus /black/	3	730
	TOTAL	269	1 869 703



THE NATIONAL GENE BANK OF BULGARIA IN BUFFALO BREEDING

	Breeds	Number of bulls	Number of semen doses
1	Bulgarian Murrah	18	38 518
2	Murrah	2	6 866
2	Jafarabadi	1	361
TOTAL:		21	45 745



PROPOSALS IN THE NATIONAL LEGISLATION FROM NC AnGR

1. Determination of AnGR of Bulgaria;
2. Agency maintains a National Livestock Diversity Information System as part of the EFAB-IS;
3. Agency maintains the National Genetic Reserve;
4. Determination of a rules on the use of genetic resources.

