

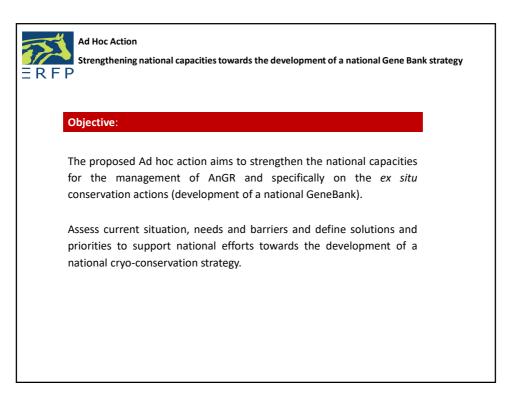


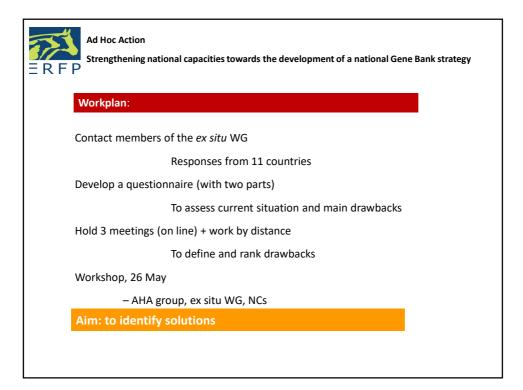
Ad Hoc Action

Strengthening national capacities towards the development of a national Gene Bank strategy

## Background:

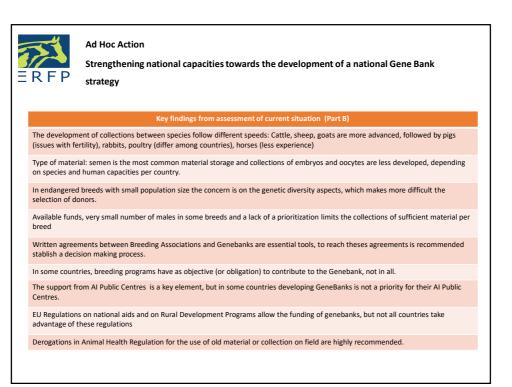
Despite the awareness raised by the GPA, the ERFP WG *ex situ*, EUGENA and the IMAGE project, and several initiatives at national level and the recognition of the urgent need to proceed with a national plan for *ex situ* conservation of AnGR complementary to the ongoing in situ conservation programs, there are still **significant drawbacks that impede this development**.

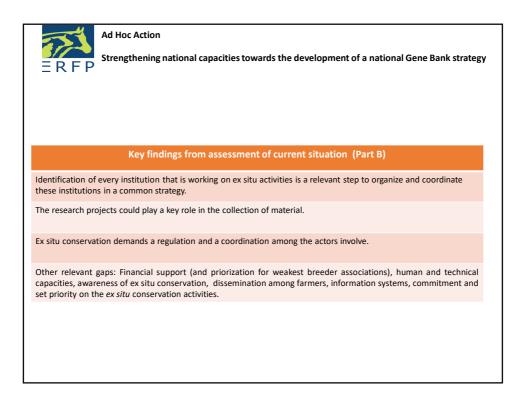


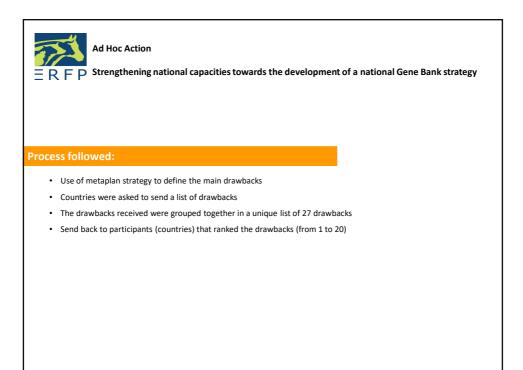


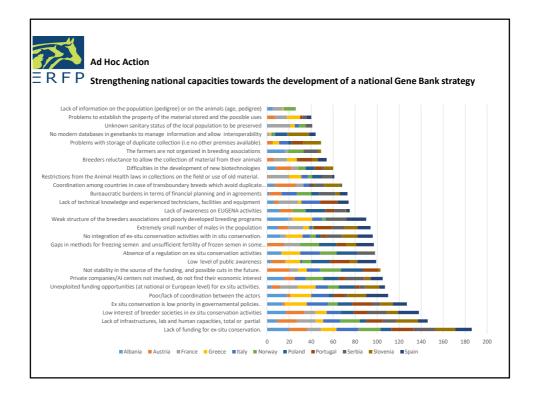
ERFP	Ad Hoc Action Strengthening national capacities towards the development of a national Gene Bank strategy
A questionnaire wa	is designed with the next structure:
Part A. GENERAL IN	IFORMATION.
-	ion in the country of the AnGR management and Ex situ conservation (National Plan of Action, Advisory Committee, is, EUGENA).
<ul> <li>Breeds with</li> </ul>	th material/enough material stored in genebanks.
Part B. ASSESSMEN	T OF CURRENT SITUATION (EX SITU CONSERVATION).
	fferent actors in the Ex situ conservation, human and technical capacities, and collections of public bodies (ministries, overnments, Al public centers, research Institutes) and private bodies (breeding societies, private companies, NGOs).
Ex situ cor	nservation in breeding programs.
<ul> <li>Legal fram</li> </ul>	nework.
<ul> <li>Organizati</li> </ul>	ional aspects of Genebank.
Technical	aspects.
<ul> <li>Funding.</li> </ul>	
11 answers from: A	Ibania, Austria, France, Greece, Italy, Norway, Poland, Portugal, Serbia, Slovenia and Spain.











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ERF	P Strengthening national capacities toward	ls th	e dev	elopı	ment	ofa	natio	nal G	iene	Bank	strate	egy
Category new	PROPOSALS OF DRAWBACKS AND OBSTACLES FOR DEVELOPMENT EX SITU CONSERVATION.	Albania	Austria	France	Greece	Italy	Norway	Poland	Portugal	Serbia	Slovenia	Spain To
Funding	Lack of funding for ex-situ conservation.											15
runung	Lack of infrastructures, lab and human capacities, total or	20	10	13	14		20	10	2	20	18	15
	partial (either depending on the species (i.e available for the											
	cattle / not for other species), or on the population size (i.e not											
Technical	available for endangered breeds))			17	. ,		18		19	12	70	9
Policy	Ex situ conservation is low priority in governamental policies.	14			20	10	9	1	19	7	11	13
,	Poor/lack of coordination between the actors (within Public								-			- 13
	bodies, and between Public / Private) involve in ex situ											
	conservation activities and lack of accurate knowledge of all											
Policy	existant collections.	18			19	16			10		17	20
	Low interest of breeder societies in ex situ conservation											
Organisation of	activities											
livestock sector		17	1:	7 10	10	13		11	12	18	10	19
	Unexploited funding opportunities (at national or European											
Policy- funding	level) for ex situ activities.	4		16	16	11	10	15	4	5	13	5
	Private companies/AI centers not involve in the ex situ											
Organisation of	conservation activities, even if they have big collections of											
livestock sector	material, because they do not find their economic interest	15	10			10	16	14		17	e	11
	Not stability in the source of the funding, and possible cuts in											
Funding	the future.		21	8	8	12	19	20	14		1	
	Low level of public awareness, in general and in the farmer's											
Policy - society	community in particular, about the conservation of AnGR.	3	1	1	13		8	1	18		7	17
	Absence of a regulation on ex situ conservation activities (i.e no											
Policy - legal	recognition an institution as a Genebank)	13			17	18	15	19		16		
	Gaps in methods for freezing semen and unsufficient fertility of											
Technical	frozen semen in some species (i.e. horse, poultry)		1	5 15			17	16	5 <u>9</u>		5	16
	No integration of ex-situ conservation activities with in situ											
Organisation of livestock sector	conservation.											
A Sector	Extremely small number of males in the population intended to	12		3	15					14	14	14
Technical	be preserved.											
- cernical	Weak structure of the breeders associations and poorly	10		14			1		1.	11	12	12
	developed breeding programs, which not allow the development											
Organisation of	of ex situ conservation activities.									10		
ALCOLO SECTOR		19		4	1 18		3			19		18

	Ad Hoc Action												
ERF	P Strengthening national capacities towa	irds th	ne de	velo	pme	nt of	a na	tiona	l Ger	ie Ba	nk sti	rategy	/
Category new	PROPOSALS OF DRAWBACKS AND OBSTACLES FOR DEVELOPMENT EX SITU CONSERVATION.	Albania	Austria	France	Greece	Italy	Norway	Poland	Portugal	Serbia	Slovenia	Spain 1	Tota
Policy - society	Lack of awareness on EUGENA activities	11	12				12	19	9	10	1	3	7
,,	Lack of technical knowledge and experienced technicians, facilities and							10		10			
	equipment in different regions of the country (incluiding specific												
Technical	problems in islands)	6	4	18	3	17			16			10	7
	Bureaucratic burdens in terms of financial planning and in agreements												
	between the government and breeders associations to develop												
Policy	genebanks.	2	11			14	13	7		15	4	7	7
	Coordination among countries in case of transboundary breeds which												
Policy	avoid duplicate efforts.	7	19	7		5		2	3	9	15	1	e
	Restrictions from the Animal Health laws in collections on the field or use												
Policy -legal	of old material.		1	19	11	6	4	9	1	8		2	6
	Difficulties in the development of new biotechnologies (ET, IVF, freezing												
Technical	of oocytes, gonad grafting, etc. ).	8	14	6			7	8	7	2	8		6
Organisation of	Breeders reluctance to allow the collection of material from their animals,												
livestock sector	afraid to loose ownership on their animals.		6	17	9			1	13		5	8	5
	The farmers are not organized in breeding associations, which are												
Organisation of livestock sector	necessary to establish herd books and for the implementation of conservation programs.												
investock sector	Problems with storage of duplicate collection (i.e no other premises	16		3		_	14			13	3		4
Technical	available).										16		
	available). No modern databases in genebanks to manage the information and allow		5		6	8		3	11		16	1 +	4
	the interoperability with other databases (i.e. breeders associations												
Technical	database to choose the donors).					4		11			40		4
· connedi	Unknown sanitary status of the local population to be preserved				- 4	1	2	11		1	19	-	4
Technical	population to be preserved	1		20		4	6			6			4
	Problems to establish the property of the material stored and the possible												_
Policy - legal	uses allowed for this material		7	11	12				2	4		4	4
	Lack of information on the population (pedigree) or on the animals (age,												_
	pedigree) intended to be preserved.	5		s	1		11						2

