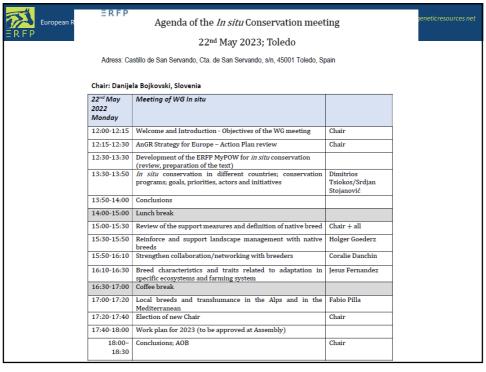


			_
Members o	of the WG	In situ conse	rvation
Albania	Kristag	KUME	
Austria	Beate	BERGER	
Croatia	Ante	IVANKOVIĆ	
Estonia	Sirje	JALAKAS	
Finland	Juha	KANTANEN	
France	Coralie	DANCHIN-BURGE	
Georgia	Tornike	ZHGENTI	
Germany	Holger	GÖDERZ	Nomination of experts into
Greece	Dimitrios	TSIOKOS	the WG can only be done by
Hungary	Рарр	DOROTTYA	
Iceland	Birna K.	BALDURSDÓTTIR	NC NC
Italy	Fabio	PILLA	NCs are invited to nominate
Latvia	Anna	ZELTKOVSKA	NCS are invited to nominate
Lithuania	Ruta	ŠVEISTIENĖ	experts before and soon after
Montenegro	Milan	MARKOVIC	-
Nordgen	Mervi	HONKATUKIA	the GA
Norway	Peer	BERG	If expert is not able to attend,
Poland	Agnieszka	CHEŁMIŃSKA	· · · · · · · · · · · · · · · · · · ·
Portugal	Pedro	VIEIRA	NC can nominate replacment
ProSpecieRara	Philippe	AMMANN	jsut for the specific meeting
Rare Breeds International		VINCENTE	Jac for the specific meeting
Serbia	Srdjan	STOJANOVIĆ	
Slovakia	Jan	TOMKA	
Slovenia	Danijela	BOJKOVSKI	
Spain	Jesus	FERNANDEZ MARTIN	
Sweden	Anna-Karin	GIDLUND	
The Netherlands	Jack	WINDIG	
United Kingdom	Marcus	BATES	





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Activities/tasks of WG In situ conservation

- Activities of the WG from the last Assembly mainly focused on the AnGR action plan development, preparation of the meeting and jump start activities 2023.
- Preparation of joint meeting with the other ERFP WGs.
- Most important: finalize Action Plan from AnGR strategy; provide input for the ERFP MyPOW, finally jump start activities which we planned.



Activities/tasks of WG In situ according to work plan

- Task within WG How is in situ conservation understood in different countries??? Do countries have specific conservation programs? What are conservation goals, priorities and main actors?
- Task within WG explore support measures, initiatives and networking activities
 for in situ conservation (niche markets for products of local breeds,
 establishment of ark farms, initiatives for the management of landscapes and
 wildlife habitats, as well as touristic activities).
- Task within WG Definition of a native breed/national race in different countries
- Task within WG Strengthen and support of landscape management with local breeds
- Task within WG Strengthen cooperation / networking with breeders (workshops, Ad hoc action?, Refrence centre?)
- Support and collaboration of Ad hoc action on transboundary breed
- Task within WG Breed characteristics and features in particular adaptation to specific ecosystems and farming system......
- Local breeds and transhumance in the Alps and in the Mediterranean regions (Ad hoc action? -> Task Force?)

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MyPOW for in situ conservation - current state of the draft

6.1.-In·situ·Conservation¶

Due-to-the-importance-of-the-<u>in-situ-conservation-of-Angr.</u> within-the-GPA-and-efforts-towards-improvement-of-the-<u>in-situ-conservation-of-Angr.</u> in-Europe, the-Working-Group-<u>in-situ-conservation-and-valorisation-of-Angr.</u> was-established-in-2018.

This-Working-Group-will-take-up-the-recommendations-of-the-Angg-strategy-and-other-available-outcomes (i,e; EU-Preparatory-Actions-on-plant-and-animal-genetic-resources-in-agriculture)--to-support-countries-in-the-implementation-of-in-situ-measures-and-strategies-related-to-Angg-conservation.-Successful-in-situ-conservation-requires-a-well-designed-breeding-program-with-emphasis-on-maintaining-genetic-diversity-within-the-breed. \P

 $The \cdot collaboration \cdot with \cdot the \cdot ERC \cdot will \cdot be \cdot \underline{crutial} \cdot and \cdot necessary \cdot to \cdot implement \cdot some \cdot activities \cdot such \cdot as the : \P$

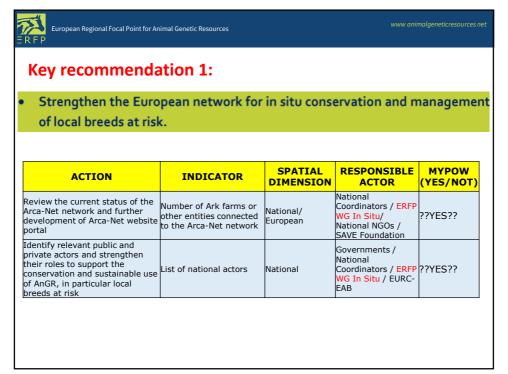
-Review-of- the definitions, frameworks and In situ- conservation programs to explore support-measures and initiatives related to niche markets, ark farms, management of landscapes and wildlife habitats, touristic activities and ecosystem services.

-Networking activities to identify, coordinate the main actors involved and strengthen cooperation and valorisation of Angg and their products with steps for <u>an</u> European network of in situ conservation in specific ecosystems

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	Number	Recommendation of AnGR Strategy	Chapter of AnGR Strategy	Action	Related Actions	Indicator	Spatial dimension	Responsible actors
Action Plan is developed and	2.1.1.1	Improve the quality and frequency of updating DRAGS through close collaboration between National Coordinators, breeding organizations and gene banks.	Monitoring / Characterisation	Regular updating and storage of breed related data in EFABIS/DAD-IS according to the FAIR principles		Annual updates of EFABIS and data completeness / EFABIS is fully compliant with FAIR principles	National/ European	National Coordinator/ ERF WG Docu
final approval is need from your side!!	2.1.2.1	Increase the proportion of inventioned Artist that are characteristic and evaluated using genomic and phenotypic techniques, and — if appropriate – make characteristics data publicly evaluates.	Monitoring / Characterisation	Initiate scientific research and collaboration, that contributes to better characterization of genetic resources in Europe	2.1.2.2 & 2.1.5.1	Number of national/ EU funded research projects that include characterization of AnGR	National/ European	Governments/ National Coordinators/ Science/ EC
Ad hoc group	2.1.2.2	Encrease the proportion of inventoried AnGR that are characterized and evaluated using genomia and phonologic exchanges, and — if appropriate — reades characterization data publicly evaluate.	Monitoring / Characterisation	Promote genomic and phenotypic characterization, genetic evaluation, data exchange and facilitate stakeholder access	2.1.2.1 & 2.1.5.1	Validated methods and guidelines / Proportion of inventoried AnGR that are characterized and evaluated / Weblinks publicly accessible data	National/ European	EURC-EAB / Interbull/ Governments/ National Coordinators/ ERFP WG Docu/ Science
collect any comments,	2.1.3.1	Further develop and implement indicators to monitor the status of, trends in and threats to the conservation and sustainable use of AnGR.	Monitoring / Characterisation	Implement SDG indicators 2.5.1 and 2.5.2		FAO indicators 2.5.1 and 2.5.2	National/ European/ Global	Governments/ National Coordinators/ ERFP WG Docu /
proposals today and 1 week after	2.1.3.2	Further develop and implement indicators to monitor the status of, trends in and threads to the conservation and sustainable use of AnGR.	Monitoring / Characterisation	Review existing indicators, harmonise and implement relevant breed risk status indicators at European level		Report on relevant indicators to assess breed status, trends and threats	National/ European	EURC-EAB/ ERFF WG Docu/ National Coordinators/ Governments
the end of this meeting!!	2.1.4.1	Emprove inter-operability of population and gene bank data with other minuselt databases.	Monitoring / Characterisation	Assess needs, user perspectives, and develop API's for data exchange		Report on needs and perspectives to improve interoperability	National/ European	ERFP WG Docu/ ERFP WG In Situ ERFP WG Ex Situ FAO
	2.1.5.1	Promotes the number of shaded trials to strougher the physician of heating production and physician medic partial by both backs, in their production systems their production systems to their production systems to their production systems.	Monitoring / Characterisation	Gather relevant information on breed characteristics through interaction with breeders, and initiate scientific research to increase phenotyping efforts of traits less commonly assessed (adaptation, resilience, robustness).	2.1.2.1 & 2.1.2.2	Number of traits and completeness/quality of data collected from breeders / Published results of research on breed specific traits	National/ European	ERFP WG Docu/ ERFP WG In Situ, Governments/ Science
	2.2.1.1	Boost the development and implementation of usatraleable breeding programs, including packages and performance microdring, gentific evaluation and maintenance of within-breed genetic varieties for both transboundery and local breeds.	Sustainable use and genetic improvement	Define sustainable breeding programs and propose methods and indicators for assessing breeding programs	2.2.1.2 & 2.3.4.2	Indicators and guidelines for implementing and assessing breeding programs	National /European	EURC-EAB/ Governments/ National Coordinators/ ERFP WG In Situ, ERFP WG Docu / Interbull / EFFAB







 Support breeders' associations and farmers to implement breeding programs for local breeds at risk.

ACTION	INDICATOR	SPATIAL DIMENSIO N	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
Define sustainable breeding programs and propose methods and indicators for assessing breeding programs of local breeds at risk.		National/	EURC-EAB / ERFP WG In Situ/ ERFP WG Ex Situ	??YES??
conservation and breeding programmes, to promote the integration of in situ and ex situ conservation, for local breeds at	Number of local breeds at risk that receive subsidies for their conservation and breeding programme, and information about the subsidies provided	National	Governments	??NO??

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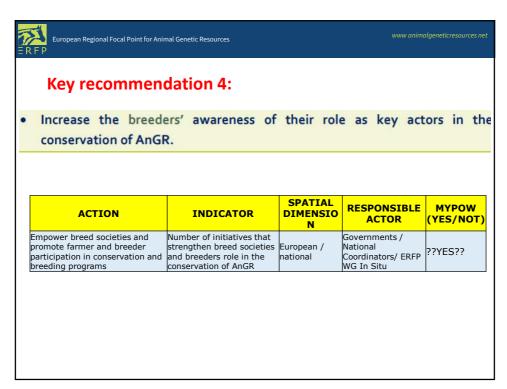
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Key recommendation 3:

 Strengthen and promote the valorisation of AnGR-related ecosystem services (e.g. landscape conservation) and livestock products.

ACTION	INDICATOR	SPATIAL DIMENSIO N	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
services and cross-links between	Number of initiatives (projects, common actions, papers)	national	ERFP WG In Situ/ Governments / ECPGR / EUFORGEN	??YES??
extensive, traditional production	Number of labels or quality schemes linked to specific breeds	national	ERFP WG In Situ/ National Coordinators/ Gover nments	??YES??



Key recommendation 5:

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 Develop research towards better understanding of breed characteristics and features, in particular adaptation to specific ecosystems and farming systems.

ACTION	INDICATOR	SPATIAL DIMENSIO N	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
research projects and other		European / national	Governments / National Coordinators/ Science/ ERFP	??YES??



Key recommendation 1 for integrated in situ and ex situ:

 Develop and implement national strategies and action plans for integrated and complementary in situ and ex situ long term conservation strategies for AnGR, engaging all relevant public and private stakeholders in the process.

ACTION	INDICATOR	SPATIA L DIMENS ION	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
Design and implement conservation and breeding programmes with the integration of in situ and ex situ activities.	Númber of conservation and breeding programmes approved with both in situ and ex situ conservation activities	National	Governments/ National Coordinators/ National actors/ ERFP WG In Situ/ ERFP WG Ex Situ/ EURC-EAB	??YES??
concervation strategies for the	Guidelines for national strategies and action plans		National Coordinators/ ERFP WG In Situ / ERFP WG Ex Situ	??YES??
Design and implement conservation and breeding programmes with the integration of in situ and ex situ activities.	Númber of conservation and breeding programmes approved with both in situ and ex situ conservation activities	National	Governments/ National Coordinators/ National actors/ ERFP WG In Situ/ ERFP WG Ex Situ/ EURC-EAB	??YES??

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Key recommendation 2 for integrated *in situ* and *ex situ*:

 Promote and support initiatives and collaboration for in situ and ex situ conservation of transboundary breeds.

ACTION	INDICATOR	SPATIAL DIMENSIO N	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
actors to strengthen the conservation and breeding programs for transboundary		National/ European	ERFP WG In Situ/ ERFP WG Ex Situ/ ERFP WG Docu/ National Coordinators/ EURC-EAB/ National actors	??YES??
collaborative conservation and breeding programmes for each		National/ Transboundary	ERFP WG In Situ/ ERFP WG Ex Situ/ ERFP WG Docu/ National Coordinators/ EURC-EAB/ National actors	??YES??



Key recommendation 1 for sustainable use and genetic improvement:

 Boost the development and implementation of sustainable breeding programs, including pedigree and performance recording, genetic evaluation and maintenance of within-breed genetic variation for both transboundary and local breeds.

ACTION	INDICATOR	SPATIAL DIMENSION	RESPONSIBLE ACTOR	MYPOW (YES/NOT)
breeding programs and propose methods and indicators for assessing breeding	Indicators and guidelines for implementing and assessing breeding programs	National /European	EURC-EAB/ Governments/ National Coordinators/ ERFP WG In Situ/ ERFP WG Docu/ Interbull / EFFAB/EX SITU?	¿YES?
of all breeding programs (local and transboundary	Number of officially recognized breeding programs assessed.	National / European	EURC-EAB/ Governments/ ERFP WG In Situ/ ERFP WG Docu Info/ Interbull/ EFFAB/EX SITU?	¿YES?

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Activities/tasks of WG In situ conservation (1)

Task: How is in situ conservation understood in different countries??? Do countries have specific conservation programs? What are conservation goals, priorities and main actors?

Leader: Srdjan Stojanovič (support Danijela Bojkovski)

- Problem: what is meaning of the in situ conservation? How countries are dealing with in situ? What does that mean and which animals are included in the in situ?
- Questionnaire prepared in May 2023
- Review of the questionnaire at the spot
- Next steps:
 - 1 week to send comments
 - Collected response in June
 - Analysis and report at the Assembly



Activities/tasks of WG In situ conservation (2)

Task: Explore support measures initiatives and networking activities for in situ conservation (niche markets for products of local breeds, establishment of ark farms, initiatives for the management of landscapes and wildlife habitats, as well as touristic activities).

Leader: Danijela Bojkovski (support: Tina Flisar)

- Problem: at the last Q countries were in the process of new CAP period; transition from previous period to the new. Some information were still sensitive.
- Review Questions
- Discussion and collection of data from each country (online?)
- Next steps:
 - Updated Q
 - Step by step collection of reponses and data
 - Report at the Assembly

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Activities/tasks of WG In situ conservation (3)

Task: Breed definition and recognition of new breed

- Goal: review what is the term used in countries for a native breed and what is definition of native breed; inquires if countries recently recognized any new native breed and what is the procedure
- Questionnaire prepared in May 2022, review 2023
- Results collected and compared = do we need update? Will the task be done by Reference Centre?
- Next steps:
 - Call to the countries not responded?
 - New separated Task?



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Activities/tasks of WG In situ conservation (4)

Task: Strengthen and support of landscape management with local breeds

Leader: Holger Goederz

Goal:

- strengthen the use of domestic livestock breeds in landscape management
- address it to the responsible associations and municipalities
- raise awareness for the importance of the conservation and sustainable use of AnGR
- show possible synergies between nature protection and agriculture

Next steps:

- Statement?
- Conservation of Genetic Resources at Landscape Level through
 Demonstration Cases

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Activities/tasks of WG In situ conservation (5)

Task: Breed characteristics and features in particular adaptation to specific ecosystems and farming system

Leader: Jesus Fernandez

Statements:

- original distribution is driven by environmental factors, which is in agreement with the classical claim that local breeds are better adapted to natural conditions; the most influential factor is different for each species.
- domestic animals diversity runs in parallel with wild animal diversity. Thus, local breeds are not in conflict with nature and joint actions can be proposed for the conservation of both terms of biodiversity.
- human activities and changes in the land use are somehow 'decoupling' breeds distribution and environment.

Next steps:

- ? excellent opportunity for further development of the EU project



Activities/tasks of WG In situ conservation (6)

Task: Local breed and transhumance in the Alps and in the Mediterranean regions (task leader: Fabio Pilla, IT)

- Ad hoc action excellent opportunity for further development of the EU project?
- Goal:
 - Joint monitoring and promotion of
 - Collection of valuable information on the current status, constrains and possible valorization opportunities
- Next steps:
 - WG will support the work of the Ad Hoc action

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Work plan 2023-2024

To be approved by the ERFP Assembly