

OBJECTIVES OF ECPGR FOR PHASE IX (2014-2018)

(v2, April 2015 – outcome 3 on-farm component to be finalized)

LONG-TERM GOAL

National, Sub-regional and Regional Programmes in Europe collaboratively, rationally and effectively conserve *ex situ* and *in situ* PGRFA, provide access and increase utilization.

OUTCOMES

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1	AEGIS is operational. Accessions in AEGIS are characterized and evaluated.
2	Quantity and quality of data in EURISCO, including <i>in situ</i> and on-farm data, have been increased. Functionality of EURISCO meets users' expectations.
3	<i>In situ</i> and on-farm conservation and management of priority crop wild relative (CWR) and landrace (LR) populations are implemented throughout Europe. Mechanisms are in place for more effective utilization of the conserved germplasm.
4	Commitment and regular resources of national governments are sustained or increased, and commitments and resources of the European Commission (EC) as well as of other potential donors towards ECPGR are increased.
5	Relations with users of germplasm are strengthened.
6	Organizational structure and secretarial support are adequate to effectively sustain the operations of ECPGR.

OUTCOME 1**AEGIS is operational.
Accessions in AEGIS are characterized and evaluated.**

Outputs	Activities	Responsibility	Indicators	Assumptions
1.1 Membership agreements signed	1.1.1 Discussions with ECPGR members on AEGIS membership and associate membership continued	1.1.1 Executive Committee (ExCo) with support of Secretariat	1.1.1.1 Number of Membership Agreements 1.1.1.2 Number of Associate Membership Agreements	- Funds for conservation and the promotion of utilization, and qualified personnel are available at the national level
	1.1.2 Establishment of proper documentation of AEGIS accessions	1.1.2 Associate Members (AMs)	1.1.2.1 AEGIS accessions flagged in EURISCO and national documentation systems	
	1.1.3 Establishment of a monitoring and reporting plan	1.1.3 Secretariat	1.1.3.1 Plan approved by Steering Committee (SC) and available	
1.2 AEGIS collections established	1.2.1 Identification of eligible accessions to be proposed for registration as AEGIS accessions	1.2.1 AMs and National Coordinators (NCs)	1.2.1.1 Number of proposed AEGIS accessions	

Outputs	Activities	Responsibility	Indicators	Assumptions
	1.2.2 Verification of the proposed AEGIS accessions	1.2.2 Respective Crop Working Groups and NCs	1.2.2.1 Number of designated and registered AEGIS accessions	
	1.2.3 Monitoring of the management of AEGIS accessions by the AMs in accordance with the principles of AEGIS	1.2.3 Respective Crop Working Groups and NCs	1.2.3.1 AMs having adopted AEGIS principles	
1.3 AQUAS quality system developed and operationalized	1.3.1 Development of crop-specific management system, including procedures and protocols for all crops	1.3.1 Steering Committee, with support of AEGIS Advisory Committee and Secretariat	1.3.1.1 AQUAS quality system adopted and implemented 1.3.1.2 Number of crops or crop groups for which procedures and protocols have been established 1.3.1.3 Number of AQUAS-certified collections	- Majority of Associate Members (AMs) will be able to adopt the standards - Some AMs have capacity to support other Associate Members

Outputs	Activities	Responsibility	Indicators	Assumptions
	<p>1.3.2 Trainings for AMs in the development and implementation of a quality system undertaken</p> <p>1.3.3 AEGIS record-keeping, reporting and monitoring system developed and adopted</p>	<p>1.3.2 AM staff to undergo training; institutions to offer support (facilitate logistics) identified by Secretariat</p> <p>1.3.3 Steering Committee, with support of AEGIS Advisory Committee and Secretariat</p>	<p>1.3.2.1 Number of trainings realized</p> <p>1.3.2.2 Number of trainees trained</p> <p>1.3.3.1 Number of AMs having participated in the record-keeping, reporting and monitoring system</p>	
<p>1.4 Funds mobilized to help Associate Members to implement AQUAS</p>	<p>1.4.1 Fundraising among potential national and regional donors for establishing and implementing AM quality systems undertaken</p>	<p>1.4.1 ExCo</p>	<p>1.4.1.1 Volume of dedicated grants available for capacity development of AMs</p>	
<p>1.5 Other capacity building schemes for Associate Members operational</p>	<p>1.5.1 Capacity building needs of AMs identified (continuing activity)</p> <p>1.5.2 Training opportunities identified (continuing activity)</p>	<p>1.5.1 National Coordinators; WGs; Secretariat</p> <p>1.5.2 National Coordinators; WGs; Secretariat</p>	<p>1.5.1.1 Number of AMs supported by capacity development</p>	<p>- Some AMs have capacity to support other AMs</p>

Outputs	Activities	Responsibility	Indicators	Assumptions
	1.5.3 Services for characterization, evaluation and/or phenotyping of AEGIS accessions provided to AMs	1.5.3 AMs providing and needing capacity development		
	1.5.4 Regeneration capacity for AEGIS accessions offered to AMs	1.5.4 AMs providing and needing capacity development	1.5.4.1 Number of accessions regenerated by other AMs	
	1.5.5 Safety duplication facilities for AEGIS accessions offered to AMs	1.5.5 AMs providing and needing capacity development	1.5.5.1 Number of accessions safety duplicated by other AMs	

OUTCOME 2

Quantity and quality of data in EURISCO, including *in situ* and on-farm data, have been increased. Functionality of EURISCO meets users' expectations.

Outputs	Activities	Responsibility	Indicators	Assumptions
2.1 All National Focal Points (NFPs) update national inventories effectively and timely	2.1.1 Identification of National Inventory (NI) (all public <i>ex situ</i> plant genetic resources for food and agriculture (PGRFA) collections to be included in EURISCO)	2.1.1 NFPs, in consultation with ECPGR members	2.1.1.1 Number of yearly updates of national inventories in EURISCO	- ECPGR member countries are able to invest in the establishment and/or improvement of data repositories, including for high-quality C&E data
	2.1.2 Collaboration between NFPs and collection-holding institutes strengthened	2.1.2 NFPs and AMs		- ECPGR member countries are prepared to share their data
	2.1.3 Training of NFPs (how to compile, maintain, update and upload NI) realized	2.1.3 NFPs and Doc&Info WG	2.1.3.1 Number of NFPs trained	- Structure of EURISCO is expanded for inclusion of <i>in situ</i> /on-farm data

Outputs	Activities	Responsibility	Indicators	Assumptions
2.2 C&E data in EURISCO included, with high quality and wide coverage	2.2.1 Development of a mechanism to upload C&E data	2.2.1 Doc&Info WG	2.2.1.1 Number of European accessions with C&E data in EURISCO 2.2.1.2 Number of updates of C&E data sets in EURISCO per year	
	2.2.2 Training of NFPs in gathering and uploading C&E data	2.2.2 Doc&Info WG	2.2.2.1 Number of NFPs trained on uploading C&E data	
2.3 Inclusion of relevant <i>in situ</i> /on-farm data in EURISCO realized	2.3.1 Identification of PGRFA <i>in situ</i> /on-farm qualifying for inclusion in EURISCO in each country	2.3.1 NFPs, in consultation with ECPGR members		
	2.3.2 Development of a standard for exchange of <i>in situ</i> and on-farm data	2.3.2 Doc&Info WG, in consultation with <i>In situ</i> /on-farm WG	2.3.2.1 Formats to document <i>in situ</i> /on-farm data in EURISCO available	

Outputs	Activities	Responsibility	Indicators	Assumptions
	2.3.3 Agreement on standards between ECPGR, Bioversity International and the Food and Agriculture Organization of the United Nations (FAO)	2.3.3 Doc&Info WG	2.3.3.1 Number of NIs for <i>in situ</i> /on-farm PGRFA	
	2.3.4 Extension and adaptation of the EURISCO database structure to allow inclusion of <i>in situ</i> /on-farm data	2.3.4 Doc&Info WG; EURISCO hosting institution	2.3.3.2 Number and categories of <i>in situ</i> data sets (crop x trait) in EURISCO	
	2.3.5 Development of a transfer mechanism for <i>in situ</i> /on-farm data from NIs to EURISCO	2.3.5 Doc&Info WG		
	2.3.6 Provision of capacity building and training where necessary	2.3.6 Doc&Info WG	2.3.6.1 Number of trainings offered	
2.4 Users' expectations explored and functionalities of EURISCO increased	2.4.1 Users survey performed	2.4.1 Doc&Info WG with support from NFPs	2.4.1.1 Number of respondents to survey	

Outputs	Activities	Responsibility	Indicators	Assumptions
	2.4.2 Database functions adapted or added	2.4.2 Doc&Info WG; EURISCO hosting institution	2.4.2.1 Number of adaptations realized	

OUTCOME 3

***In situ* conservation of priority crop wild relative (CWR) and landrace (LR) populations are implemented throughout Europe.
Mechanisms are in place for more effective utilization of the conserved germplasm.**

(The contents of this objective 3, and its corresponding outputs and activities are limited to CWR; final plans for the on-farm activities depend on the future decisions of the SC on the Concept for on-farm management and conservation of PGRFA).

Outputs	Activities	Responsibility	Indicators	Assumptions <i>Note: the “assumptions” listed apply to the whole set of items</i>
3.1 National CWR conservation strategies produced	3.1.1 Generation of national CWR checklists 3.1.2 Prioritization of CWR checklists 3.1.3 Production of national CWR inventories 3.1.4 Diversity and gap analysis of national priority CWR taxa	3.1.1 – 3.1.6 National <i>In Situ</i> WG members with other national conservation stakeholders	3.1.1.1 Number of national CWR checklists produced 3.1.3.1 Number of national CWR inventories produced	<ul style="list-style-type: none"> - Funds for European level <i>in situ</i> activities are available - Funds for national <i>in situ</i> conservation management of PGR are available - Collaboration between <i>In Situ</i> Conservation WG members and other national stakeholders (government agencies responsible for PGR conservation, genebanks, local administrators,) is viable and all partners are willing to share data

Outputs	Activities	Responsibility	Indicators	Assumptions
	3.1.5 Definition of national CWR conservation actions			- There is no restriction on sustainable exploitation of <i>in situ</i> conserved CWR germplasm located in genetic reserves
	3.1.6 Production of national CWR conservation action plans		3.1.6.1 Number of national CWR conservation action plans produced	- European policy is developed to support the establishment and operation of the integrated European strategy for CWR conservation
3.2 Regional (European) CWR conservation strategies produced	3.2.1 Generation of regional (European) CWR checklists	3.2.1–3.2.6 Regional <i>In Situ</i> Conservation WG members with other national conservation stakeholders		- The European Commission facilitates the long-term monitoring of the integrated European strategy for CWR conservation
	3.2.2 Prioritization of regional (European) CWR checklists			- The European Commission facilitates the long-term monitoring of the integrated European strategy for CWR conservation
	3.2.3 Production of regional (European) CWR inventories		3.2.3.1 Regional (European) CWR inventories produced and endorsed by <i>In Situ</i> Conservation WG members	- Barriers to accessing CWR germplasm by user communities are removed and the use of CWR germplasm promoted, encouraged and facilitated

Outputs	Activities	Responsibility	Indicators	Assumptions
	<p>3.2.4 Diversity and gap analysis of regional (European) priority CWR taxa</p> <p>3.2.5 Definition of regional (European) CWR conservation actions</p> <p>3.2.6 Production of regional (European) CWR conservation action plans</p>		<p>3.2.6.1 Regional (European) CWR conservation action plans produced and endorsed by <i>In Situ</i> Conservation WG members</p>	<p>Assumptions</p> <p><i>Note: the “assumptions” listed apply to the whole set of items</i></p> <ul style="list-style-type: none"> - Cooperation between the conservation and user communities is improved - Coordination between <i>in situ</i> and <i>ex situ</i> conservation managers is effective
<p>3.3 Integrated European strategy for CWR conservation produced</p>	<p>3.3.1 Drafting of integrated European strategy for CWR conservation</p>	<p>3.3.1 Wild Species Conservation in Genetic Reserves WG</p>	<p>3.3.1.1 Integrated European strategy for CWR conservation published</p>	

Outputs	Activities	Responsibility	Indicators	Assumptions <i>Note: the “assumptions” listed apply to the whole set of items</i>
	3.3.2 Agreement on regional (European) and national MAWPs (Most Appropriate crop Wild relative Population) to form European <i>in situ</i> network	3.3.2 National government agencies responsible for PGR conservation in association with ECPGR National Coordinators and members of the Wild Species Conservation in Genetic Reserves WG	3.3.2.1 List of agreed regional (European) and national MAWPs for inclusion in the <i>in situ</i> network published	
3.4 European MAWP network established	3.4.1 Official designation of national and regional (European) MAWPs at national level	3.4.1 National government agencies responsible for PGR conservation and utilization	3.4.1.1 List of officially designated national and regional (European) MAWPs published	

Outputs	Activities	Responsibility	Indicators	Assumptions <i>Note: the “assumptions” listed apply to the whole set of items</i>
<p>3.5 Integrated regional (European) CWR conservation strategies operational</p>	<p>3.5.1 Active conservation management of national and regional (European) MAWPs</p>	<p>3.5.1 <i>In situ</i> conservation agencies in association with local administrators and landowners</p>	<p>3.5.1.1 Periodic reports submitted to European Topic Centre for Biodiversity indicating national and regional (European) MAWP conservation status and conservation management actions</p> <p>3.5.1.2 Adherence to minimum quality standards for genetic reserve conservation of CWR</p>	
<p>3.6 MAWP network germplasm effectively utilized</p>	<p>3.6.1 Germplasm samples collected and actively managed <i>ex situ</i></p> <p>3.6.2 MAWP germplasm characterized</p>	<p>3.6.1 National PGR genebanks</p> <p>3.6.2 National PGR genebanks and plant breeding research institutes</p>	<p>3.6.1.1 Number of germplasm samples of MAWPs collected and actively managed <i>ex situ</i></p> <p>3.6.2.1 Number of MAWP germplasm samples characterized</p>	

Outputs	Activities	Responsibility	Indicators	Assumptions
	3.6.3 Access to MAWP germplasm facilitated	3.6.3 National government agencies responsible for PGR conservation and utilization	3.6.3.1 Number of MAWP germplasm samples provided to users	<i>Note: the “assumptions” listed apply to the whole set of items</i>
	3.6.4 MAWP germplasm evaluated	3.6.4 National plant breeding research institutes and public and private plant breeding companies	3.6.4.1 Number of MAWP germplasm samples evaluated	
	3.6.5 MAWP germplasm utilized in crop improvement programmes	3.6.5 Public and private plant breeding companies	3.6.5.1 Number of MAWP utilized in crop improvement programmes 3.6.5.2 Number of MAWP utilized successfully for crop improvement	

OUTCOME 4

Commitment and regular resources of national governments are sustained or increased, and commitments and resources of the European Commission (EC) as well as of other potential donors towards ECPGR are increased.

Outputs	Activities	Responsibility	Indicators	Assumptions
4.1 Relationship between ECPGR and EC/EU and responsible national ministries strengthened and sustainable funding of ECPGR secured	4.1.1 Development and implementation of a strategy to improve relationships with the EC/EU and secure sustainable funding levels	4.1.1 ExCo and SC	4.1.1.1 Number of countries renewing ECPGR membership each Phase 4.1.1.2 Regular payment of ECPGR membership contributions 4.1.1.3 Level of regular EU contributions to ECPGR	- ECPGR recognized by EU as formal regional instrument of cooperation
4.2 Increased awareness of the value of PGRFA amongst policy-makers at national and regional level	4.2.1 Regular communication with policy-makers within relevant national ministries and European Commission (see also 4.1.1)	4.2.1 NCs and ExCo	4.2.1.1 Number of contacts (meetings, workshops) realized	

Outputs	Activities	Responsibility	Indicators	Assumptions
<p>4.3 Increased collaboration between ECPGR and the International Treaty for Plant Genetic Resources for Food and Agriculture (ITPGRFA) and the FAO Commission on Genetic Resources for Food and Agriculture (CGRFA)</p>	<p>4.3.1 Reporting of ECPGR activities to the Governing Body of the ITPGRFA and the CGRFA, including requests for feedback</p>	<p>4.3.1 ExCo, with support from Secretariat</p>	<p>4.3.1.1 Memorandum of Understanding (MoU) with Secretariats of ITPGRFA and CGRFA about regional role of ECPGR and direct collaboration</p>	
<p>4.4 Increased awareness of the value of PGRFA amongst users and the wider public</p>	<p>4.4.1 Development and implementation of a communication and public relations strategy</p>	<p>4.4.1 ExCo and SC</p>	<p>4.4.1.1 Number of publications and other communication events (radio, TV, etc.) realized</p>	

OUTCOME 5**Relations with users of germplasm are strengthened.**

Outputs	Activities	Responsibility	Indicators	Assumptions
5.1 Good knowledge of which C&E data are of high relevance to potential users	5.1.1 Survey of user needs performed and results analysed	5.1.1 NCs and AMs	5.1.1.1 Needs analysis available	
5.2 Expectations of users regarding genebank services known and answered	5.2.1 Effective services to users are established	5.2.1 NCs and AMs	5.2.1.1 Overview of types and numbers of services across ECPGR available	
5.3 Enhanced use of CWRs realized	5.3.1 Closer links with conservationists and breeders realized	5.3.1 NCs and AMs	5.3.1.1 Numbers of CWRs distributed by AMs	
5.4 Improved collaboration with users in public and private sector	5.4.1 Research partnerships established between genebanks and researchers, including through EU projects	5.4.1 NCs and AMs	5.4.1.1 Number of partnerships established over given time frame	

OUTCOME 6**Organizational structure and secretarial support are adequate to effectively sustain the operations of ECPGR.**

Outputs	Activities	Responsibility	Indicators	Assumptions
6.1 New structure for the operations of WGs implemented and operational	6.1.1 Definition of Terms of Reference (ToRs) of WG Chairs	6.1.1 ExCo and Secretariat	6.1.1.1 ToRs of WG Chairs published online	- Availability of funds in the budget sufficient to launch calls for proposals - ECPGR members fulfil their duties in a timely manner as per the ECPGR membership agreement
	6.1.2 Definition of rules for Phase IX, including country quota system and criteria for fields of expertise	6.1.2 Secretariat and ExCo, for approval by SC	6.1.2.1 Country quota system implemented online. Criteria published online	
	6.1.3 Formation of Working Groups as pools of experts and nomination of a Chair	6.1.3 Secretariat, following inputs from NCs	6.1.3.1 WGs established with pools of experts listed on the ECPGR website	
	6.1.4 Development of procedures for WGs to submit expressions of interest and proposals for activities	6.1.4 Secretariat, for approval by SC	6.1.4.1 Number of calls and proposals for activities	

Outputs	Activities	Responsibility	Indicators	Assumptions
	6.1.5 Establishment of procedure to select proposals and grant projects	6.1.5 Secretariat, for approval by ExCo	6.1.5.1 Number of projects approved	
6.2 Effective operation of ExCo and SC	6.2.1 ExCo selects a new member each year	6.2.1 ExCo and SC	6.2.1.1 Updated composition of ExCo on the web each year	
	6.2.2 ExCo interacts via email and meets when necessary	6.2.2 ExCo with Secretarial support	6.2.2.1 Number of ExCo meetings held and minutes of meetings published on the web	
	6.2.3 ExCo reports its activities to the SC meetings	6.2.3 ExCo	6.2.3.1 ExCo reports provided to the SC	
	6.2.4 SC approves the budget for Phase IX	6.2.4 SC	6.2.4.1 Budget for Phase IX approved	
	6.2.5 SC meets at least every two years and a half	6.2.5 SC and ExCo, with Secretarial support	6.2.5.1 Number of SC meetings held and reports published online	

Outputs	Activities	Responsibility	Indicators	Assumptions
6.3 Synergies with external partners are realized (i.e. Botanic Gardens Conservation International (BGCI), Community Plant Variety Office (CPVO), European Commission (EC), European Seed Association (ESA), European Technology Platform (ETP) “Plants for the Future”, European Association for Research on Plant Breeding (EUCARPIA), FAO, South East European Development Network on Plant Genetic Resources (SEEDNet), etc.)	6.3.1 Opportunities for synergies are sought for	6.3.1 ExCo, with Secretarial support	6.3.1.1 Number of effective interactions with external partners	
6.4 Fundraising is undertaken	6.4.1 Monitoring of the disbursement of agreed contributions by ECPGR members	6.4.1 Secretariat and ExCo	6.4.1.1 Total annual contributions received	
	6.4.2 Scouting opportunities for additional funding	6.4.2 ExCo, with Secretarial support	6.4.2.1 Number of potential opportunities identified	

Outputs	Activities	Responsibility	Indicators	Assumptions
	6.4.3 Submit fund applications	6.4.3 ExCo, with Secretarial support	6.4.3.1 Number of applications 6.4.3.2 Total funds raised	
6.5 Effective operation of the Secretariat	6.5.1 All activities in the framework of the Programme coordinated	6.5.1 Secretariat, in close collaboration with ExCo and SC	6.5.1.1 Number of Programme's activities coordinated 6.5.1.2 Number of Programme's activities reported	
	6.5.2 Phase and annual budgets prepared and financial management ensured	6.5.2 Secretariat, in close collaboration with ExCo and SC	6.5.2.1 Budget tables approved by SC 6.5.2.2 Reports on annual and end-of-Phase balance of ECPGR finances	
	6.5.3 Technical and financial reports provided annually	6.5.3 Secretariat	6.5.3.1 Technical and financial reports	

Outputs	Activities	Responsibility	Indicators	Assumptions
	6.5.4 Support provided to the WGs, including planning activities, implementing workplans and projects, organization of meetings and reporting	6.5.4 Secretariat	6.5.4.1 Number of interactions facilitating the WG activities 6.5.4.2 Number of endorsed workplans 6.5.4.3 Number of meetings facilitated by the Secretariat 6.5.4.4 Number of WG reports processed by the Secretariat	
	6.5.5 Information gathered and distributed to ECPGR community	6.5.5 Secretariat	6.5.5.1 Number of messages sent to list server 6.5.5.2 Number of news and events published on the ECPGR website	
6.6 ECPGR Secretariat adequately staffed	6.6.1 ECPGR Secretary identified by Steering Committee and appointed by Hosting Institution	6.6.1 Hosting Institution, based on instruction by ExCo	6.6.1.1 Number of Secretariat staff members appointed (persons per month)	- Adequate budget made available for functioning of Secretariat

Outputs	Activities	Responsibility	Indicators	Assumptions
	6.6.2 Secretariat staff appointed by Hosting Institution upon recommendation of ECPGR Secretary	6.6.2 Hosting Institution, based on recommendation by ECPGR Secretary		
6.7 ECPGR Secretariat effectively hosted by Hosting Institution	6.7.1 Memorandum of Understanding (MoU) with Hosting Institution signed by minimum number of member countries (i.e. representing at least 75% of the budgetary contributions for Phase IX)	6.7.1 Hosting Institution, SC, member countries	6.7.1.1 Number of signed MoUs archived by Secretariat	- Terms of the agreement between Hosting Institution and member countries are accepted by the SC