

AEGIS progress: forages

Gene bank country/region	Total in EURISCO (Impotant forage genera)	AEGIS accessions 1/11 2015	AEGIS accessions 7/3 2017	Change
Germany	13 844	2 203	2 207	+ 4
Nordic countries	4 428	1 303	1 303	0
Czech Rep.	3 925	236	291	+ 55
Estonia	161	0	53	+ 53
Netherlands	1 032	851	851	0
UK	17 115	2 431	0*	- 2431
SUM		7 024	4 705	



Questionnaire: Why are not more accessions flagged as AEGIS?

- Sent out January 2017 to
 - all ECPGR Forage Working Group members
 - the National Coordinators
- Single question "In your opinion, why are not more accessions from your collection flagged for inclusion in the European forage collection (AEGIS)?"
- Nine different factors suggested (possibility to give other reasons)
- We received 15 answers representing19 countries





Question: In your opinion, why are not more accessions from your collection flagged for inclusion in the European forage collection (AEGIS)?

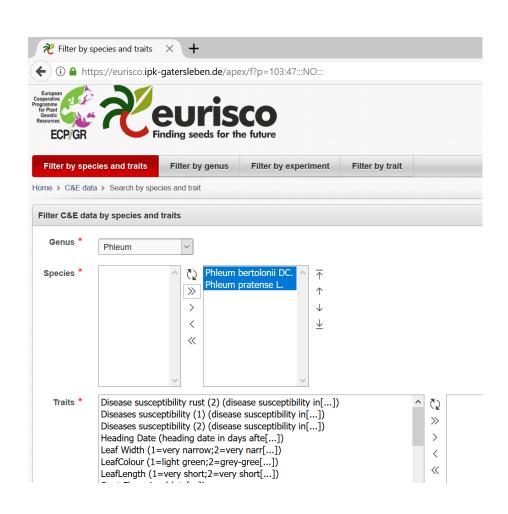
Factor	This factor has an impact (Number of "yes")	How important is this factor? Average (1= most important)	How important is this factor? No. of 1
Lack of funding for regeneration	11	1,9	9
Lack of funding for germination testing	7	3,4	4
Not implemented a system for duplicate storage	4	3,5	3
Uncertainty about funding during the coming years (cannot assure long-term conservation)	6	2,1	5
The institute leaders do not want to prioritize the process to select AEGIS accessions (other tasks are considered more important)	6	2,1	4
The strict rule for unflagging accessions make me hesitate to flag accessions	6	2,6	2
The instructions about how to select and flag AEGIS accessions are unclear	1	4,2	1
The process for flagging AEGIS accessions is complicate	4	2,9	2
There are too many criteria to define an AEGIS candidate	5	2,7	1

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EURISCO

- The forage WG has provided C&E data that has been used as test cases in EURISCO. Use-cases as well as feedback were provided in order to improve the EURISCO web interface.
 - The first C&E data for forages has now been uploaded into EURISCO and data on Agrostis, Lolium, Phleum, Poa and Trifolium are now available online via the EURISCO homepage.
- Identification of errors and duplicates in forage accessions in EURISCO (genus, species, crop name, variety names, latitude and longitude)
- Comparison between the forage ECCDBs and EURISCO
 - about 45% of the accessions listed in the ECCDBs are missing from EURISCO (candidates for further efforts on including all relevant accessions into EURISCO)





Recommendations

(from the Forage Barley workshop, Malmö 2017)

- Introduce the term "AEGIS candidate"
- ECPGR should work towards strengthening the basis for funding for gene banks in Europe
 - Exploring options for AEGIS to gain ERIC (European Research Infrastructure Consortium) status
- Introduce a gene bank mentorship system to stimulate collection holders to flag AEGIS accessions.
- Actions should be initiated to encourage upload of C&E data into EURISCO on a larger scale.

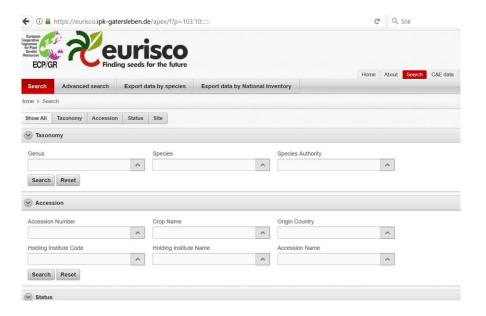




Recommendations

(from the Forage Barley workshop, Malmö 2017)

- Development of a EURISCO feature for downloading of C&E data at experiment level
- Evaluate the possibility to include C&E data from accessions that are currently not documented in EURISCO
- Establishment of a quality check system in EURISCO, for example regarding taxonomy and geographic coordinates





Recommendations: enhance use of GR

(partly from the Forage Barley workshop, Malmö 2017)

- improve the visibility of the genetic resources in the European gene banks, for example via Crop Portals and communication targeted to breeders
- involve the users in the selection/collection of relevant genetic resources to be stored in the gene banks
- PPP pre-breeding projects





