

AEGIS

(achievements/planning)

Outcome 1 - AEGIS is operational. Accessions in AEGIS are characterized and evaluated

Outputs:

- 1.1 - Membership agreements signed: 2.0 s
- 1.2 - AEGIS collections established: 1.5
- 1.3 - AQUAS quality system developed & operational: 1.3 s
- 1.4 - Funds mobilized to help AMs to implement AQUAS: 0.5 s
- 1.5 – Other capacity building schemes for AMs operational: 0.9

Outcome 1- AEGIS is operational. Accessions in AEGIS are characterized and evaluated



2010 (25 countries)
19 Associate Member
Agreements



2012 (32 countries)
46 AM Agreements



2014 (34 countries)
57 AM Agreements



May 2016 (34 countries)
58 AM Agreements
in 27 countries

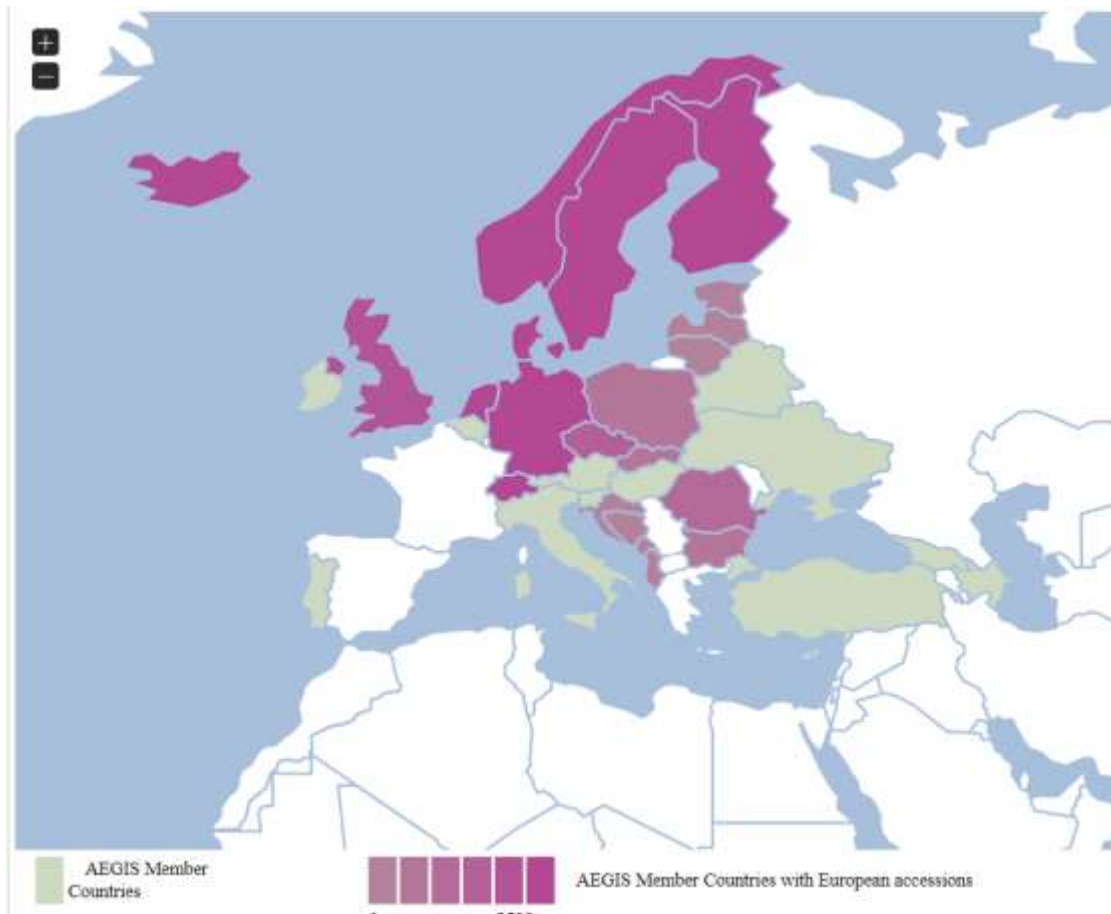


May 2018 (34 countries)
66 AM Agreements
in 31 countries

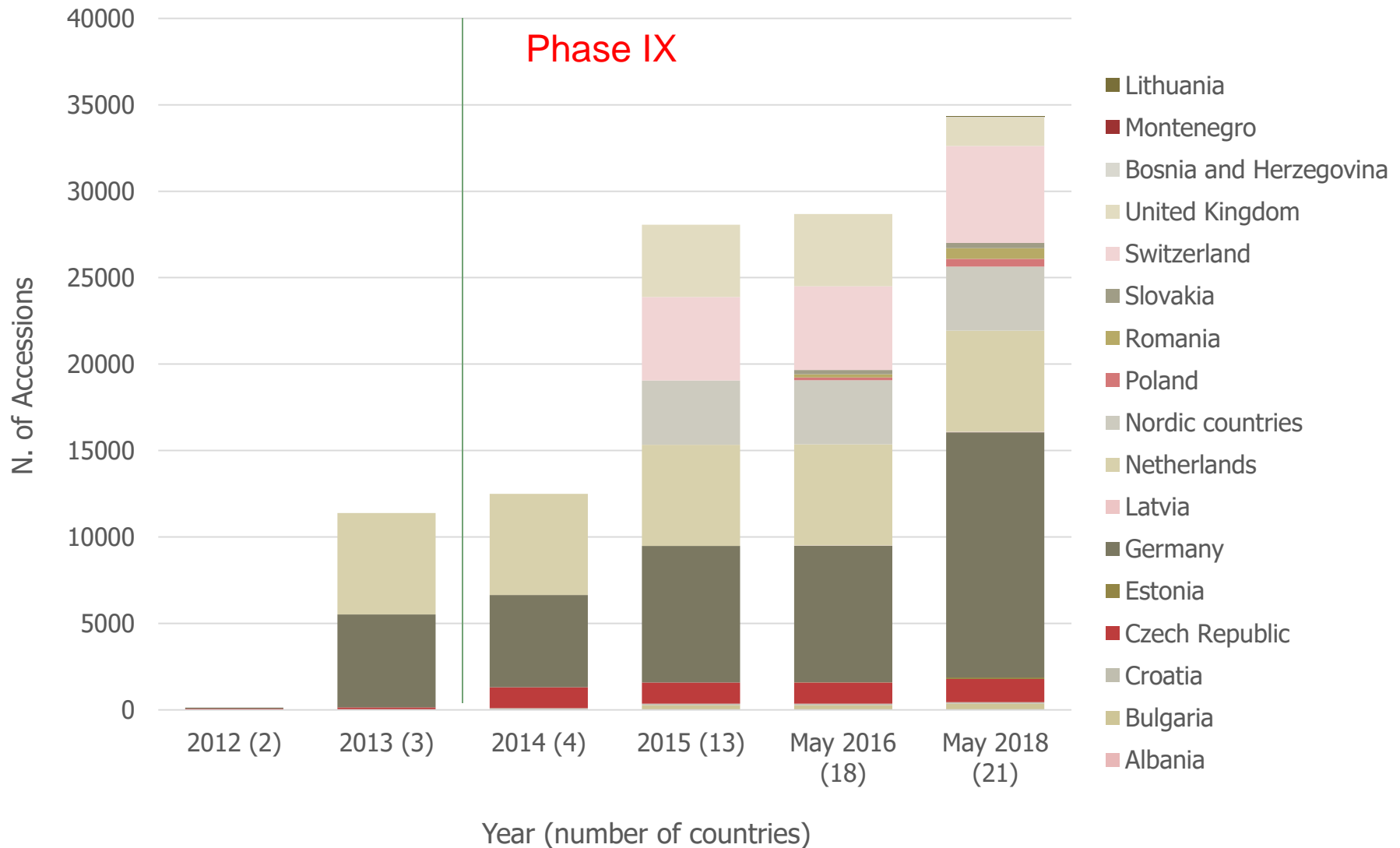
The European Collection

Total number of European Accessions: **34 364** (May 2018)

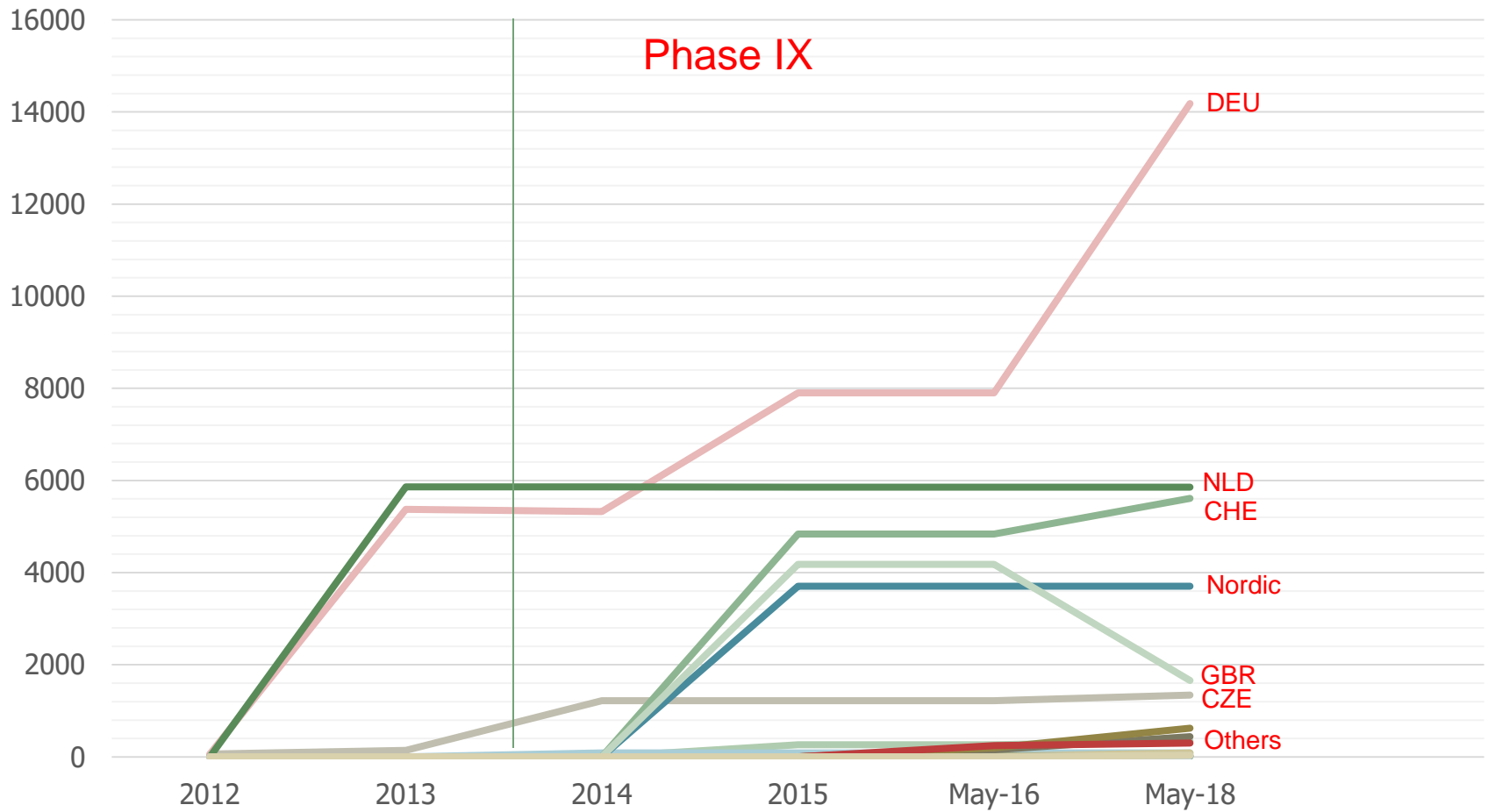
Phase IX increase: **+23.000** accessions



European Accessions



European Accessions



European Collection – statistics

Associate Member institutions: 62 (+3) (CZE005, POL003, MNE001)

- Contributing to EURISCO: 43 (66%)
- Contributing to AEGIS: 19 (29%)

AEGIS AMs (65):

- hold 645 318 accessions
 - = 50% of total EURISCO (excl. *Arabidopsis*)
 - = 68% of respective National Inventories
- offer to AEGIS 34 364 accessions
 - = 5% of own accessions
 - = 2.5% of EURISCO

AEGIS Quality System (AQUAS)

- Operational genebank manual completed by 8 Associate Member institutions from 5 countries (12%)
- Crop-specific standards completed by 9 WGs (50%)
- Safety duplication policy endorsed (Feb. 2013) (78%)
- Distribution guidelines published (Dec. 2013)
- Record keeping, reporting and monitoring policy document endorsed by the Steering Committee (Jan. 2016) – NOT in operation yet
 - peer/mentorship review proposed by CGN

Grant Scheme: impact on Outcome 1

Accessions included into AEGIS:

- Forages: 10 500 accessions (Forages 2020; Forage Data Access)
- Wheat: + 6500 in Phase IX (TRISECA)
- Barley: + 1800 (HordEva)

More were suggested for inclusion:

15 000 barley, 350 rye, 300 MAPs, 85 plums

In preparation: alliums, beans, wild carrot, sweet cherry, pear

AEGIS: issues -1

- Missing membership: France, Greece, FYR Macedonia, Serbia, Spain
- 13 AEGIS member countries did not include accessions: Austria, Azerbaijan, Belarus, Belgium, Cyprus, Georgia, Hungary, Ireland, Italy, Portugal, Slovenia, Turkey
- Target number of accessions? If 35% of EURISCO → 455 000 (now 34 000)
- European Collection is growing slowly. Reasons for limited success: funds for germination tests & regeneration? Lack of coordination? Low priority at national level? Other?

AEGIS: issues - 2

- Working Groups recommend lists of accessions and these are not easily implemented / followed up
- Implementation of AQUAS & Monitoring system requires: commitment; consensus; capacity building
- Is AEGIS making an impact? Visibility, Use → indicators in revised objectives
- Unsuccessful experience with Horizon 2020/EC. EC will not support AEGIS outside of competitive projects, unless member countries lobby at high level (Council of Ministers)

New objectives - Phase X

12 AEGIS outputs

1. New agreements (countries and institutions)
2. Representative European Collection
 - Indicator on % of national collection analysed for inclusion into AEGIS
3. European collection properly maintained
 - N. of accessions multiplied/safety-duplicated - % properly maintained
4. Phytosanitary issues explored and addressed
 - Survey of issues → publish results and recommendations for solutions

New objectives - Phase X

12 AEGIS outputs/2

5. Options for cryopreservation explored

Meeting → recommendations published, framework defined, accessions cryopreserved

6. AQUAS operational

- transparency, standards, peer/mentorship review

7. Capacity building operational

- identify needs, train AMs

8. Funds mobilized

- ECPGR-mediated characterization, evaluation, regeneration, safety-duplication

New objectives - Phase X

12 AEGIS outputs/3

9. Visibility of AEGIS improved

- Indicators: accessions provided to users / accessions used in R&D

10. AEGIS evaluated

- feedback from users: questionnaire + recommendations

11. Peer/mentorship review established and functioning

- Indicators: principles agreed and published / genebanks reviewed

12. Options for *in situ* / on-farm explored – AEGIS used for *in situ* / on-farm

- Indicators: discussion and recommendations published