

# AEGIS

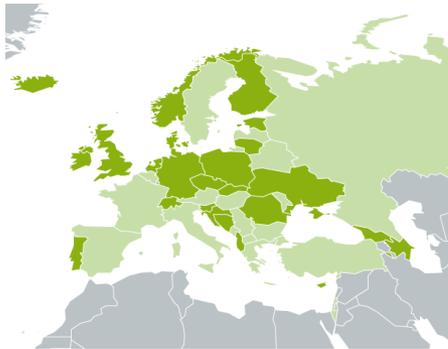
(achievements/planning)

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

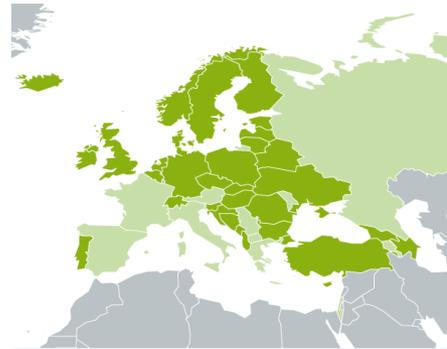
## Outputs:

- 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

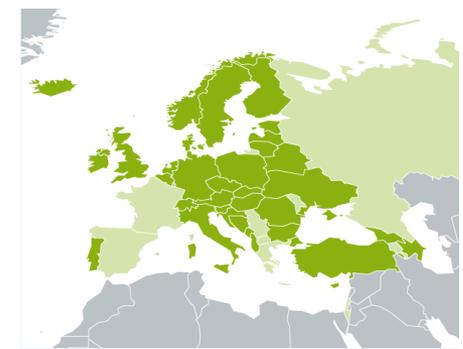
# Outcome 1- AEGIS is operational. Accessions in AEGIS are characterized and evaluated



**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

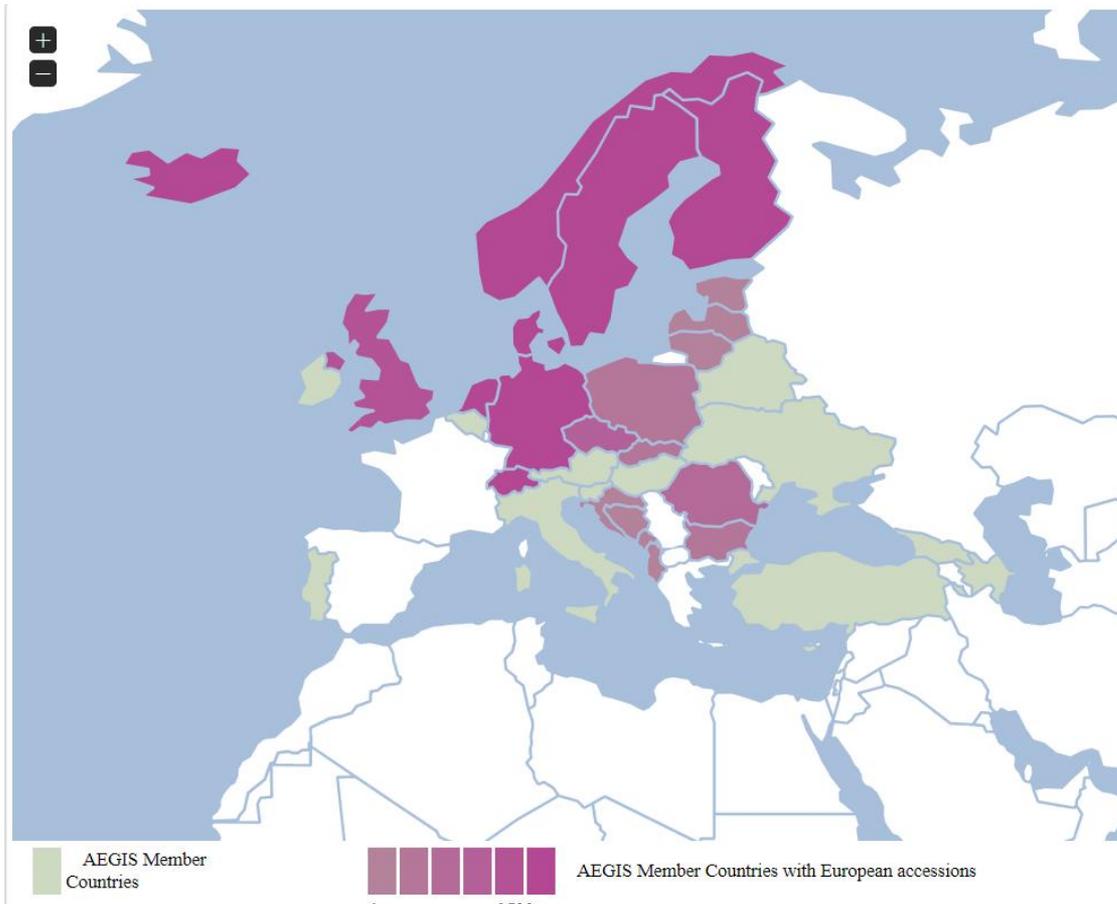


**May 2018** (34 countries)  
66 AM Agreements  
in 31 countries

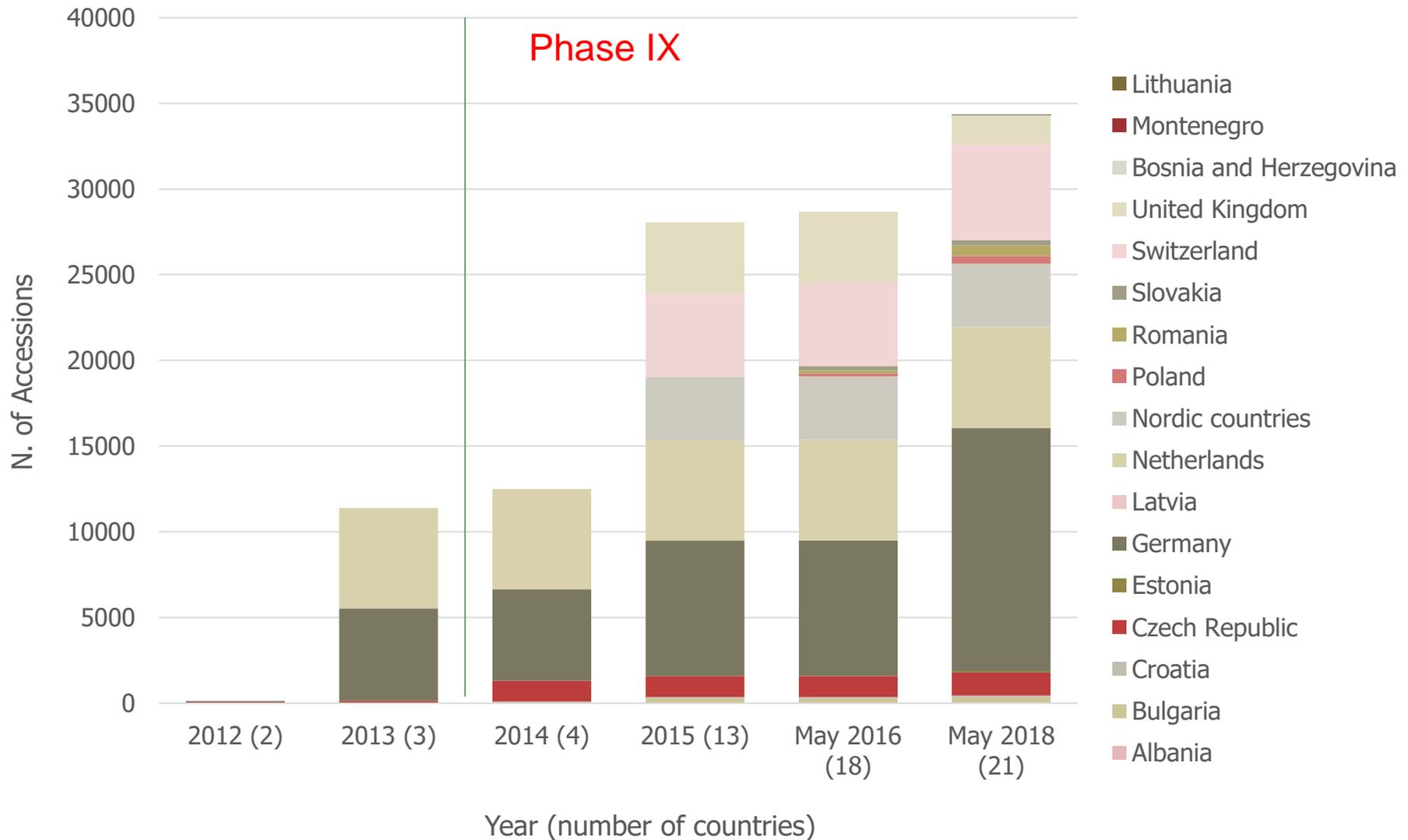
# The European Collection

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

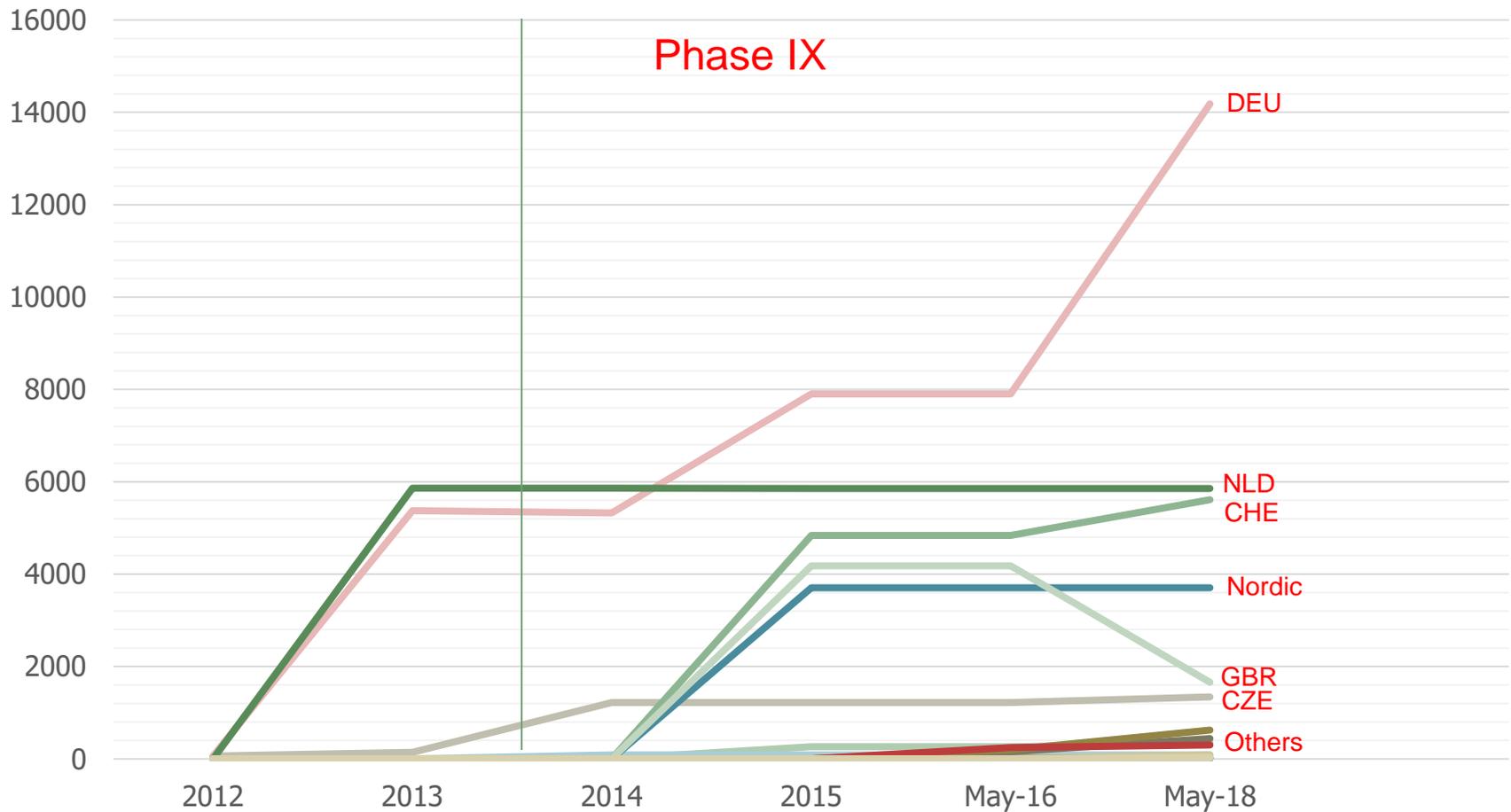
Phase IX increase: **+23.000** accessions



# 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 – WEGIS used for *in situ* / on-farm

- Indicators: discussion and recommendations published