

# BARLEY WG REPORT (2024–2025)

In preparation for the 18th Steering Committee Meeting, Tbilisi, Georgia, 2-4 June 2026

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## 1. CONTRIBUTION TO ECPGR OBJECTIVES

### 1.1. Achievements and success stories

- To efficiently conserve and provide access to unique germplasm in Europe through AEGIS and the European Collection  
130.341 accessions of *Hordeum* are registered in EURISCO  
16.667 accessions in the AEGIS collection for “*Hordeum*”  
Of the EURISCO *Hordeum* accessions:
  - 30,547 accessions with C&E data
  - 766,761 C&E datapoints
  - 309 traits
  - 648 experiments
- To provide passport and phenotypic information of actively conserved European PGRFA diversity *ex situ* and *in situ* through the EURISCO catalogue  
Passport data is available in EURISCO on 130.341 accessions.
- To improve *in situ* conservation and use of crop wild relatives  
Fifty *Hordeum* accessions assigned as “In situ wild population” in EURISCO.
- To promote on-farm conservation and management of European PGRFA diversity  
N/a
- To promote use of PGRFA  
N/a

### 1.2. Gaps or constraints identified

N/a

## 2. GRANT SCHEME ACTIVITIES, WG MEETINGS AND EVA ACTIVITIES

- Grant Scheme proposals (submitted:0; approved:0)
- Total number of partners involved in Grant Scheme: n/a

- **Meetings held**
  - EVA Wheat and Barley network meeting, 25-26 January 2024, Fiorenzuola d'Arda, Italy.
- **Total number of partners involved in WG Meeting: n/a**
- **Reports and related data**
  - [Summary report of the 2024 Annual meeting of the European Evaluation Network \(EVA\) for Wheat and Barley EVA Wheat and Barley](#)
- **Funds mobilized: n/a**

### **3. OTHER ACTIVITIES (CROSS-WORKING GROUP ACTIVITIES, LINKS WITH OTHER NETWORKS, PROJECTS AND INITIATIVES)**

- **Cross-Working Group activities:**
- **Others:**

Breeding organic Avena Sativa L. (Oat) with high nutritional value (AVENUE). Novo Nordisk Foundation 2025-2027.  
-200 NordGen oats evaluated in field (multilocation) and for quality characteristics

CResWheat- Pre-breeding for Nordic climate-resilient spring wheat II. 2024-2026. The Nordic Public-Private Partnership (PPP) for Pre-breeding. Diverse spring wheat panel from European genebanks, Poland, Bulgaria, Germany, The Netherlands and Nordic countries Panel screened for resistance to gout fly.

Robustness of Oats for the Nordic Region (RobOat), 2024-2026. The Nordic Public-Private Partnership (PPP) for Pre-breeding. NordGen oat diversity panel screened for drought, waterlogging and disease resistance.

NordGen winter wheat collection. Internally funded project between NordGen and Agricultural University of Iceland. Field evaluation of a thousand NordGen winter wheats in Sweden and Iceland 2024-2025.

### **4. WORKING GROUP DOCUMENTS AND PUBLICATIONS**

- None

### **5. EXPECTED ADDITIONAL ACHIEVEMENTS AND FUTURE ACTIVITIES**

New barley working group chair (Nils Stein) has applied for the recent Grant Scheme Activities together with the Wheat Working Group. "Multi-environment validation, mapping, and marker development for resistance to fungal diseases in barley and wheat".

Barley-specific conservation standards are in preparation by the WG.

Future work includes a revised version of the seminal work: “An ecogeographical study of the genus *Hordeum*” by von Bothmer and colleagues, led by Roland and Niels Jacobsen.