

Verein zur Erhaltung und Rekultivierung von Nutzpflanzen e.V. (**VERN e.V.**)  
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Greiffenberg, 11.9.2022

## Minutes and remarks of the

### ***BiDifferent start-up meeting*** **14–15 July 2022, Innsbruck**

[ECPGR: Outcomes of the Fifth Call - Phase X \(cgjar.org\)](https://www.cgjar.org/)

#### Attending partners:

Dr. C. Partl, Austria  
Elisabeth ... Austria  
Clément Debiton, INRA France  
Manuel Pramsohler, Laimburg Italy  
Daniel Ortler, Laimburg Italy  
Ulla Konradl, LfL Bayern, Germany  
Rudolf Vögel, VERN/LfU Germany  
Herbert Steiner, Slow Food Germany  
Horst Buchali, VERN Germany

#### Friday, 15 July

9.30 – Guided tour by C. Partl, Volkskundemuseum, Exhibition of 100 years anniversary Tyrol alpine genebank collection ( see [100 Jahre Tiroler Genbank | Land Tirol](#) )

11.30 – Car transfer to Imst, Lunch break and agricultural site and meeting point  
( <https://www.uibk.ac.at/berglandwirtschaft/forschungsbauernhof-imst/index.html.de> )

12.00 – Lunch break

12.30 – Introduction of participants of the meeting (all)

13.00 – Explanation of the ***BiDifferent project*** and working plan, background and tasks (R. Vögel, VERN/LfU)

- Discussion of working plan, timetable and responsibilities:
  - Field trials 2022/2023 take place at five locations (Imst, Clermont-Ferrand, Ruhstorf, Laimburg, Wilmersdorf) for winter and summer grain
  - Accessions and seed delivery is offered from Austria (Saatbau Kärnten) and Bavaria (LfL), additional accessions (winter grain) from Italy (Laimburg, 1) and VERN/D (further 3 accessions)
  - Field data collection and statistics are done by C. Partl (Austria), all partners have to give raw harvest data (yield, kernel weight, ...) to C. Partl for comparison and arithmetics.
  
- Project agreed by ECPGR → a minimum of 20–23 accessions (spring and winter forms) are obligatory.
  - Additional to the field test samples (expected 15–20) there are possible further samples from genebanks (INRA: 6 winter and 6 summer '*compactum*' types – C. Debiton will test them at Clermont-Ferrand, and 5 offers from Agroscope)

Information about the first results of a pretest fingerprinting (6 accessions club wheat by SNP markers, highly distinct)

Fingerprint description of Binkel/club wheat accessions: genetic description of Binkel:

- The expected inhomogeneity of accessions needs a delivery of 1 typical/differing ear from 5 plants; 3 kernels from genebank samples (pictures of the chosen ears should be taken before they are analyzed!)
  - A possible amount of 96 single test plots are available
  - by this 20 field accessions would be analyzed with 3 replications
  - 23 samples from genebank collections,
  - 13 samples from US-club wheat and other modern cultivars (as comparison standards): sum of  $20 \cdot 3 + 23 + 13 = 96$ ;
- VERN will prepare and deliver kernels to JKI for fingerprinting (end 2022, expected results 3-4/2023)
    - Greenhouse experiments: stress and phytopathological resistance tests, done by A. Serfling at JKI Quedlinburg in 2023
    - Documentation of club wheat (*Triticum compactum* samples in AEGIS/IPK-collections: database work by IPK (offered Dr. Weise, responsible VERN), 2022
  
  - Baking tests, processing experiments and quality analysis: challenge for all, asked to LfL Bayern; done in 2023 (harvest from 2022)
  
  - Disposal to interested farmers and groups for cultivation: task to VERN and Slow Food, give information to farms and seed delivery from harvest, transformation, seed multiplying, establishing on-farm conservation
  
  - Information and public, responsible VERN, Slow Food

- Preparations for 2022/2023:
- Results will be published in different journals or newsletters in order to reach the groups of interest (farmers, bakers and others) and to facilitate and support the further cultivation of Binkel
- Next meeting: was offered from Clément Debiton and agreed by the group at INRA, Clermont-Ferrand in 2023 (expected in June ...).

After the general agreement of the working plan and acceptance of the responsibilities, a visit to the field trials was carried out and information about the challenges of alpine agriculture was provided.

Beneath the club wheat trials a lot of endangered and interesting crops, also accessions of Tyrol gene bank were cultivated at the field sites of Imst.

The meeting was closed at 18.00.

Rudolf Vögel / U. Konradl

All project partners invited with additional guests project partners (ECPGR-members and associated):

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