

GER-MAIS: Germplasm of Piedmontese corn varieties



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The safeguarding of genetic resources passes through the implementation of knowledge on the various aspects concerning local varieties at risk of genetic erosion, descriptive, agronomic and legislative aspects.

Goals

- Preparation of fields aimed at the production of seed of 7 Piedmontese genetic resources of polenta corn and at the conservative selection, also implemented in a participatory form;
- Characterization of three ecotypes found in the area and named "Pignoletto nero", "Ottofile nero" and "Cinquantina torinese";
- Improvement of the production technique of Piedmontese maize genetic resources;
- Organization of a local supply chain for the production of seed from conservation maize varieties.

Activities

- Creation of parcels for the characterization of three ecotypes of free pollinated corn called "Pignoletto nero", "Ottofile nero" and "Cinquantina torinese";
- Cultivation of 7 Piedmontese maize genetic resources, monitoring and genetic characterization of the fields for seed conservation and production;
- Organization of a local supply chain for the seed production of 7 Piedmontese varieties of conservation corn;
- Organization and implementation of meetings in order to favor and encourage the exchange of knowledge on genetic resources and in particular on the correct production of certified seed.

PROJECT DURATION: 10 months
(March 2023 to December 2023)

Expected results

Homogeneous seed lots of the seven ecotypes
Certified seed production protocol
Development of the K-seq technique for the maize genome
Starting a seed production chain

Partner

UNISG, capofila
UNITO - DISAFA - Genetica vegetale (Torino, Italia)
Associazione Produttori Antichi Mais Piemontesi



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