


NATIONAL INVENTORY BULGARIA

Nikolaya Velcheva, PhD

National Focal Point for Documentation

 Institute of Plant Genetic Resources „*K. Malkov*”

EURISCO Training Workshop
Tirana, Albania
19 – 21 May 2015

Institute of Plant Genetic Resources „K. Malkov” - Sadovo



- ***Institute of Plant Genetic Resources*** is situated in a small town Sadovo in the South Bulgaria near the city of Plovdiv.
- ***The institute*** is a heritage from the first experimental station which is created in 1902 from Bulgarian scientist Konstantin Malkov.
- ***IPGR*** has a rich history and traditions in the agricultural science.



- ***IPGR*** is a National Coordinator of all activities related to Plant Genetic Resources in Bulgaria.
- ***IPGR*** works under a National Program on Plant Genetic Resources, which is a part of the National Strategy for Biodiversity Conservation.

<http://www.ipgrbg.com/>

The main research topics at the IPGR are aimed at:

- Collection, study, storage and suitable use of plant genetic resources.
- Implementation of breeding programs for major crops in the country and creation of high-quality varieties of wheat, triticale, oats, rye, peanuts, sesame, peas, chickpeas, tomatoes, peppers, eggplant, lettuce, etc.
- Application of modern biotechnological methods in plant breeding programs and genetic resources utilization.



National Genbank

Bulgarian NI is maintained by National Genebank, which is a part from the IPGRs facilities, under controlled conditions by standards of FAO in three types of storage:



Base Collection for long-term storage of seed accessions at -18°C .

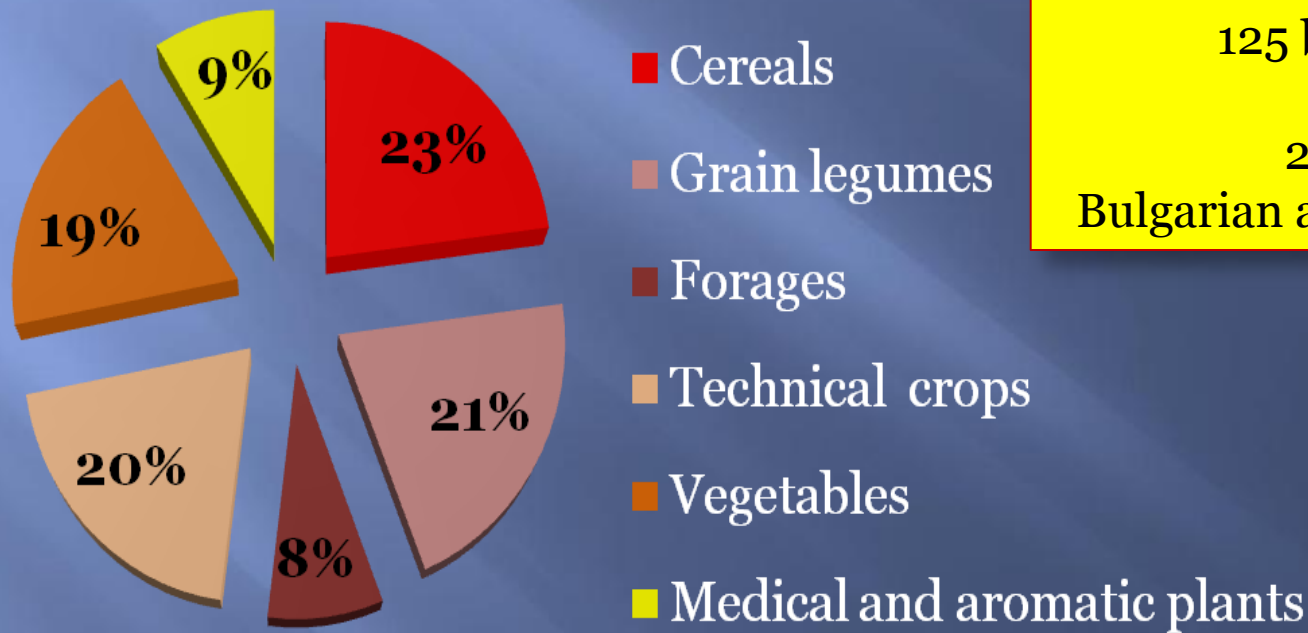
Working collection for storage of seeds from three to ten years at 6°C .

Exchange collection consists of seed accessions for free exchange with national and international partners.



Information service

➤ *IPGR* has local register *Phyto 2000* for Genebank passport documentation in MS-Access file format - Source for NI and EURISCO.



67 150 accessions
125 botanical families
325 genera
2670 plant species
Bulgarian and foreign origin

➤ The characterization and evaluation data is storage in Excel files.

- The National Inventory of plant genetic resources in Bulgaria consists of information about accessions maintained in **23 institutes**, covering field crops, vegetables, aromatic and medicinal plants, flowers and etc.
- An estimated 25% of NI consists of local accessions and wild crop relatives.





Bulgarian NI is presented on line in **EURISCO** (<http://eurisco.ipk-gatersleben.de/>)

The passport data of **63 608 accessions** from NI is accessible in the EURISCO Catalogue (*Last update 2014*)

National Inventory (NI): Bulgaria

National Inventory Code (NICODE): BGR

Three institute collections are in EURISCO from Bulgarian NI:

INSTCODE	Institution name	Accessions
BGR001	Institute of Plant Genetic Resources “K. Malkov”, Sadovo, Agricultural Academy, Ministry of Agriculture	59187
BGR005	Institute of Roses, Essential and Medical Cultures, Kazanlak, Agricultural Academy, Ministry of Agriculture	564
BGR029	Dobrujda Agricultural Institute, General Toshevo, Agricultural Academy, Ministry of Agriculture	3857
Total number:		63 608

Problems

- Not all data included in NI is uploaded in EURISCO, there are differences in the total number, genera and species, included in national collections.
- A big number of accessions (7963) which has not finished yet according to EURISCO passport descriptors.
- Characterization and evaluation data is not in systematic way.

Reason: *Different data base structures used for documentation of accessions.*

THANK YOU
FOR ATTENTION

