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PRO ZEMĚDĚLSKOU  
BIODIVERZITU



Crop Research  
Institute



NÁRODNÍHO  
PROGRAMU ROSTLIN

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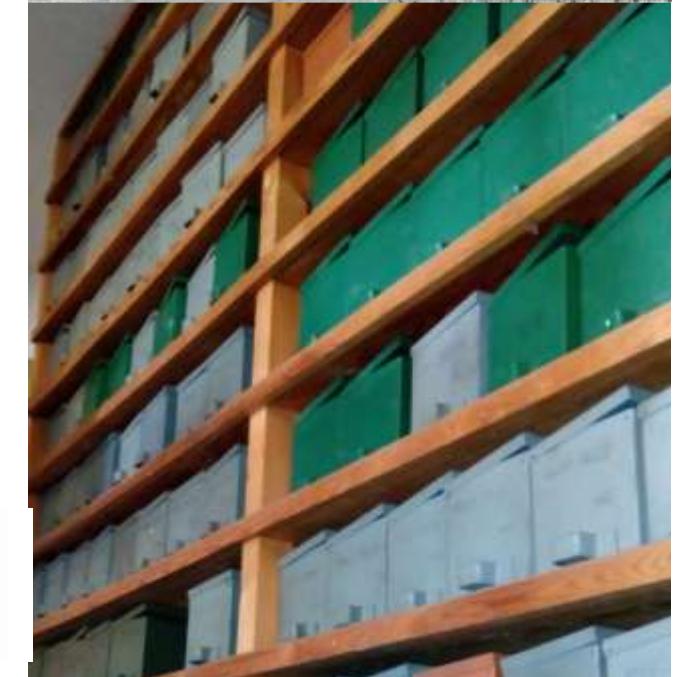
# Czech National Programme for the Conservation and Utilization of PGR

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Crop Research institute, Czech Gene Bank

# National programme - history

- Tradition since the beginning of 20th century
- New launched crop institutes took over responsibility on PGR collections
- 1951 CRI, Prague, PGR Dept. was founded
- Storage in metallic boxes
- Data computerization since mid-1970s



# National programme - history



- Early documentation with a help of IBPGR 1984
- Czech Gene Bank started its work in 1988/9 – acclimatized chambers
- National documentation system EVIGEZ in early 1990s
- NP for PGR launched in 1993
- National legislation on PGR since 2003 (Act 148/2003)



# National programme - objectives



Conservation of (preferably domestic) PGR for future generations including documentation



Provide PGR for users (research, breeding and education)

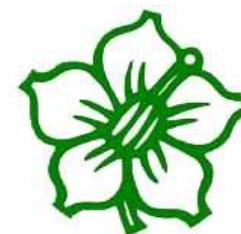
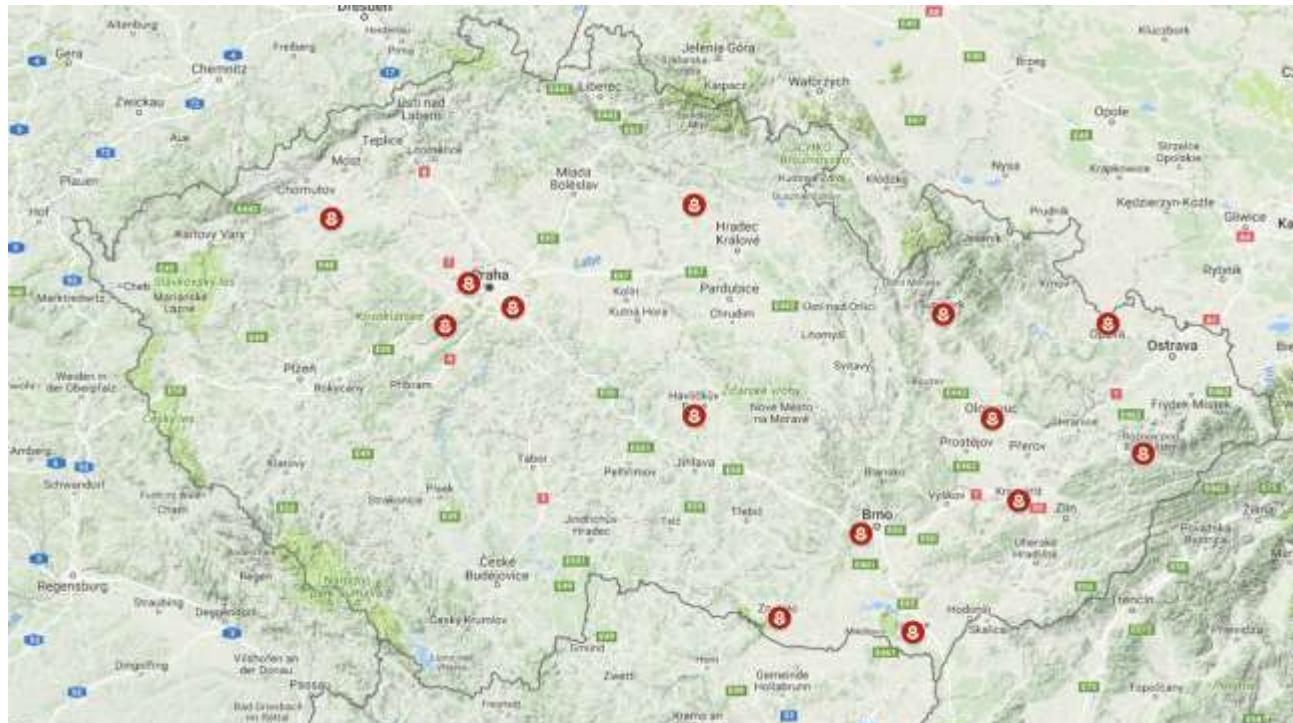


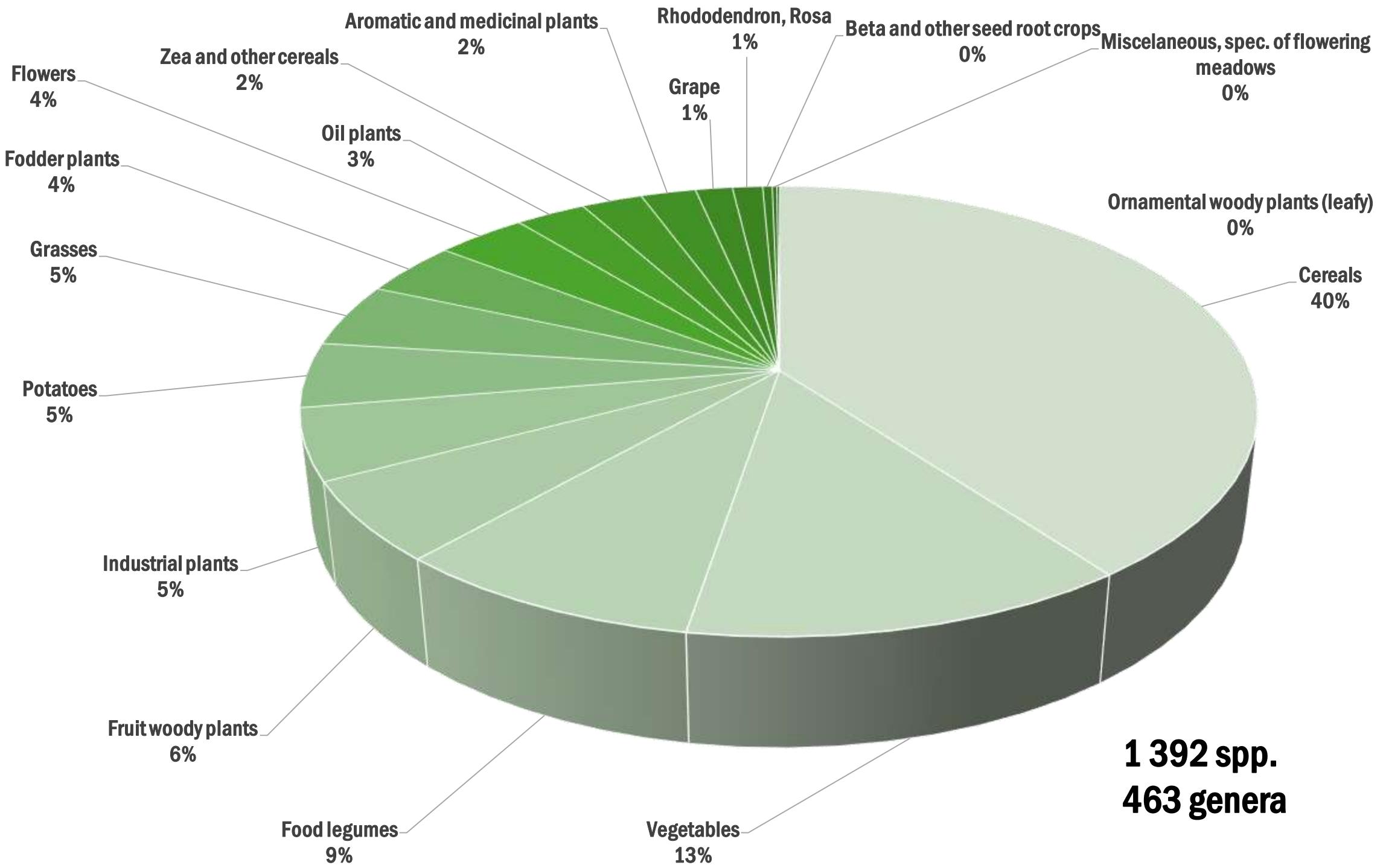
To run research and breeding associated with conserved PGR based on supplementary projects



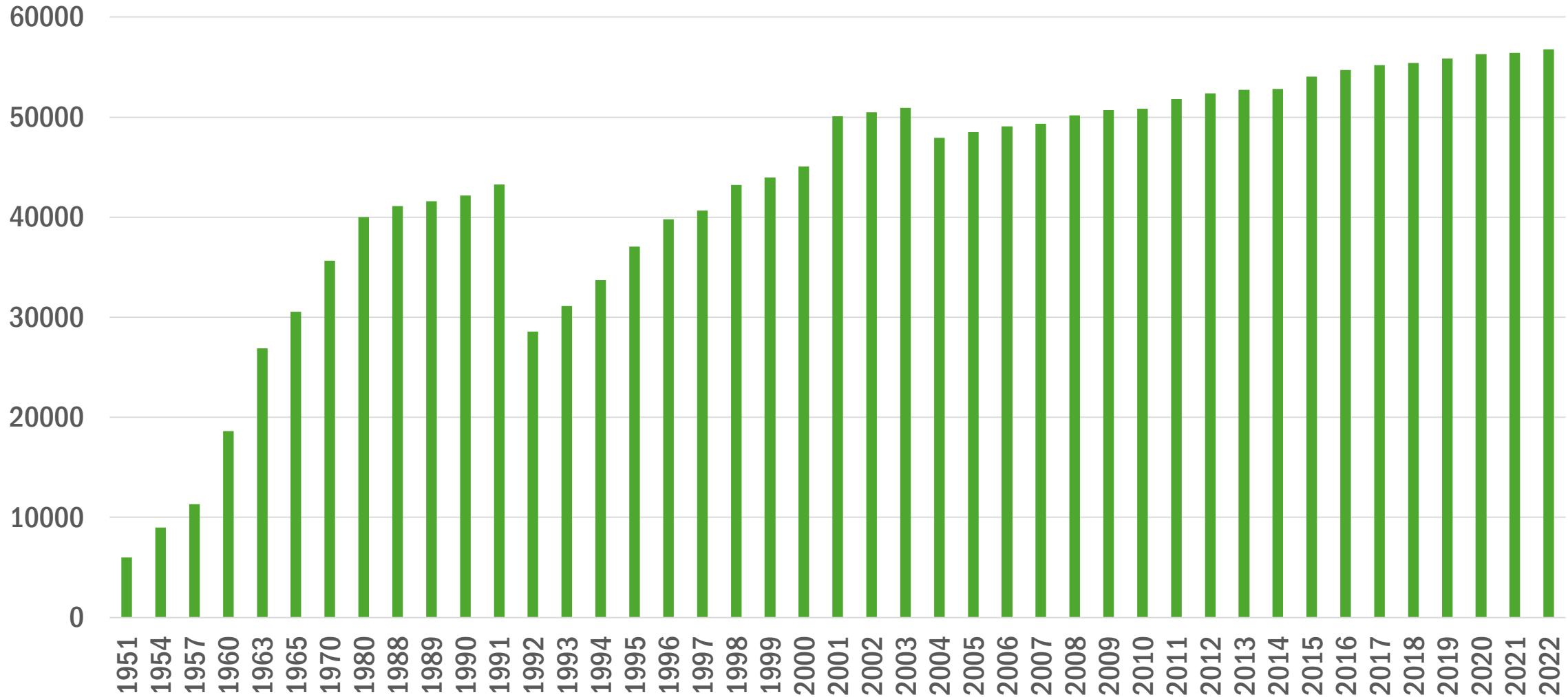


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# Number of accessions





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Welcome!



We apologize, but the distribution of *Solanum lycopersicum* L. and *Capsicum* spp. is suspended due to the EU regulation (details); only accessions with CZE (CSK) origin are tested and available.

GRIN-Global

GRIN Czech

Log in

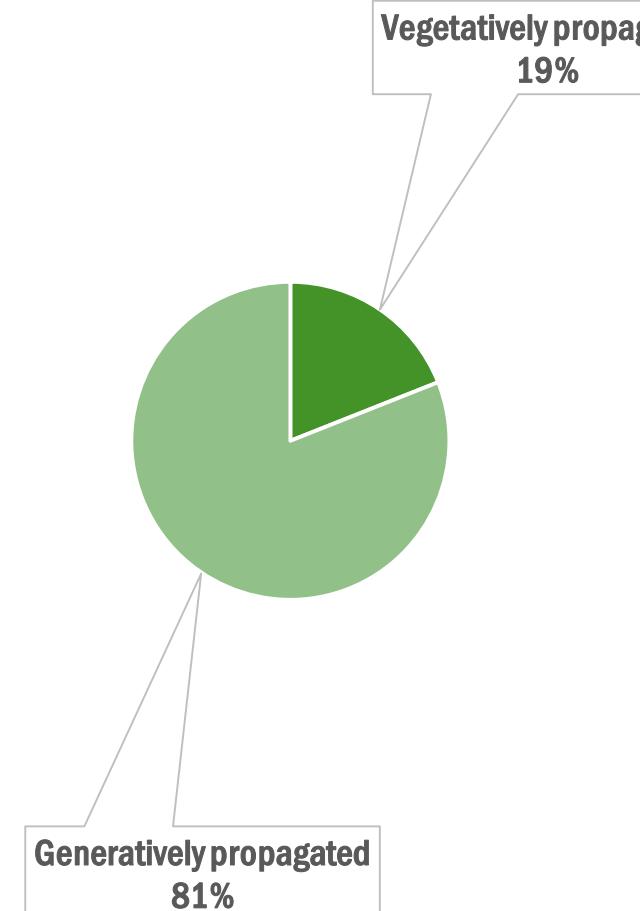
New User

Version: 2.3.4.1

[Accessions](#) [Descriptors](#) [Reports](#) [GRIN Taxonomy](#) ▾ [GRIN-Global](#) ▾ [Help](#) ▾ [Contact Us](#) [Your Profile](#) ▾



| NP partner            | No of accessions | Generatively propagated | Vegetatively propagated |
|-----------------------|------------------|-------------------------|-------------------------|
| 01 VÚRV Praha         | 18 713           | 18 713                  | 0                       |
| 03 ZVÚ Kroměříž       | 5 975            | 5 975                   | 0                       |
| 05 AGRITEC Šumperk    | 5 108            | 5108                    | 0                       |
| 07 VÚB Havlíčkův Brod | 2 709            | 0                       | 2 709                   |
| 08 CHI Žatec          | 386              | 0                       | 386                     |
| 09 VÚRV Olomouc       | 10 294           | 9 422                   | 872                     |
| 10 VŠÚO Holovousy     | 2 548            | 0                       | 2 548                   |
| 12 VÚKOZ Průhonice    | 1 970            | 245                     | 1 725                   |
| 13 VÚP Troubsko       | 2 616            | 2 616                   | 0                       |
| 14 OSEVA VST Zubří    | 2 604            | 2 430                   | 174                     |
| 15 OSEVA VÚO Opava    | 1 500            | 1 500                   | 0                       |
| 24 VÚRV VSV Karlštejn | 214              | 0                       | 214                     |
| 42 MU ZF Lednice      | 1 645            | 570                     | 1 075                   |
| 45 BU AV Průhonice    | 605              | 0                       | 605                     |
| 48 AMPEROS Žnojmo     | 271              | 0                       | 271                     |

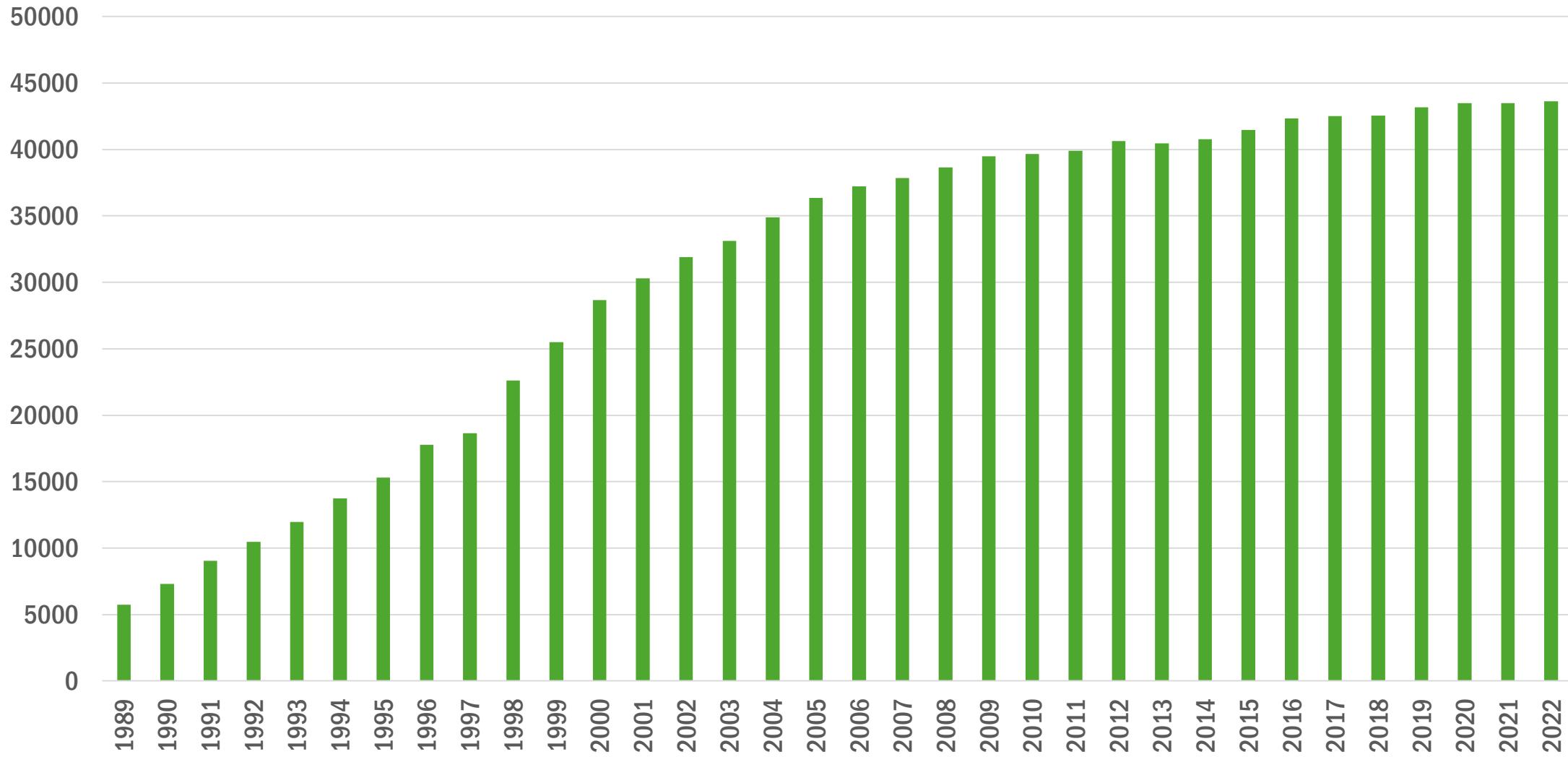


# National programme – Czech Gene Bank

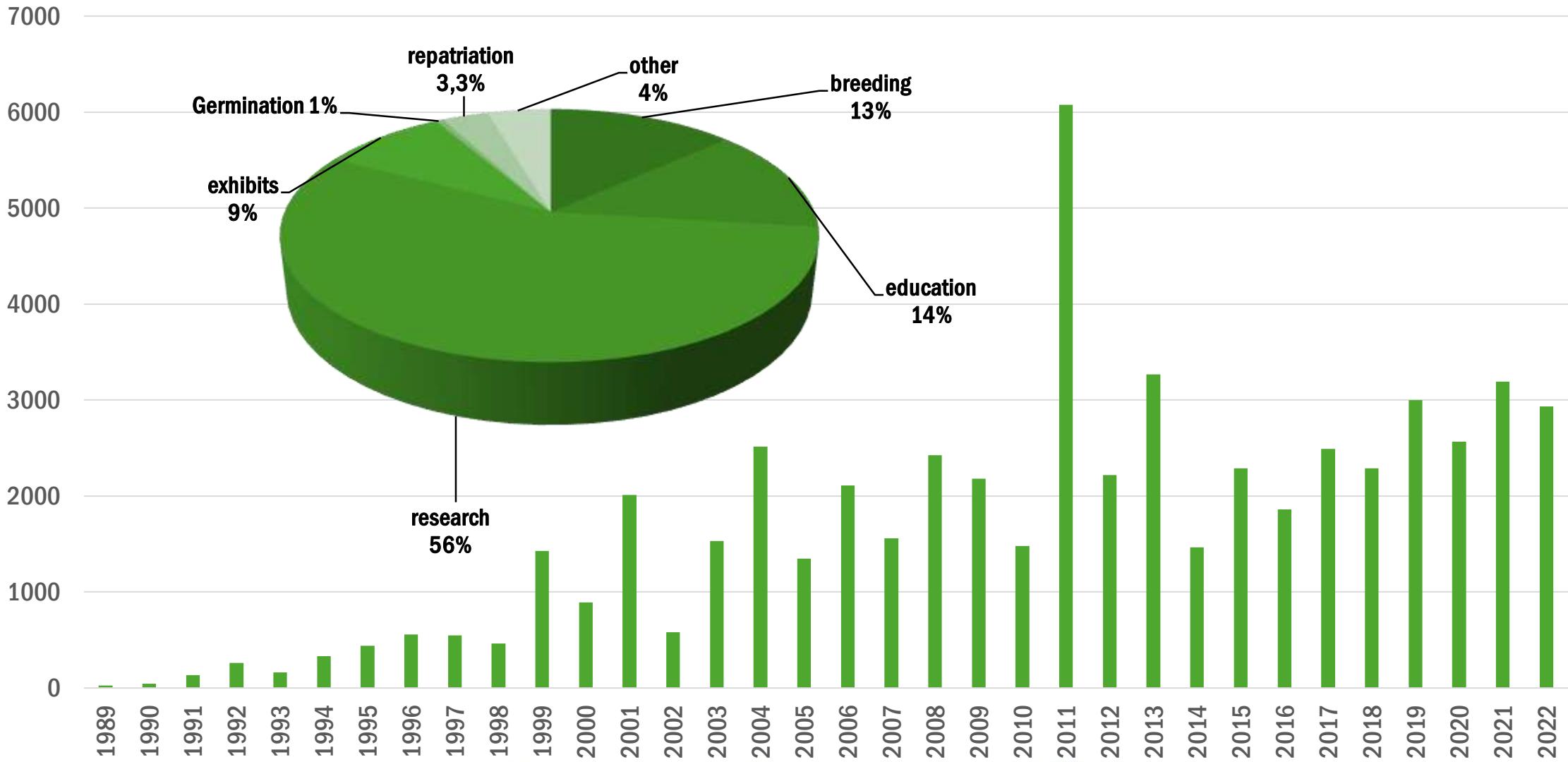
- Gene bank provides services (seed storage, documentation system) to NPR.
- **Capacity: 187,000 containers**
- All storage rooms -18°C
- Active seed drying (by 20°C, 5% Rh)
- More than 43 thousand PGR (over 96% of all seed-propagated PGR within the NP)
- Other working collections: 5.5 thousand accessions
- Voucher Spike Collection
- Quality control established (ISO 9001)



# Number of accessions in GB



# Number of samples for users



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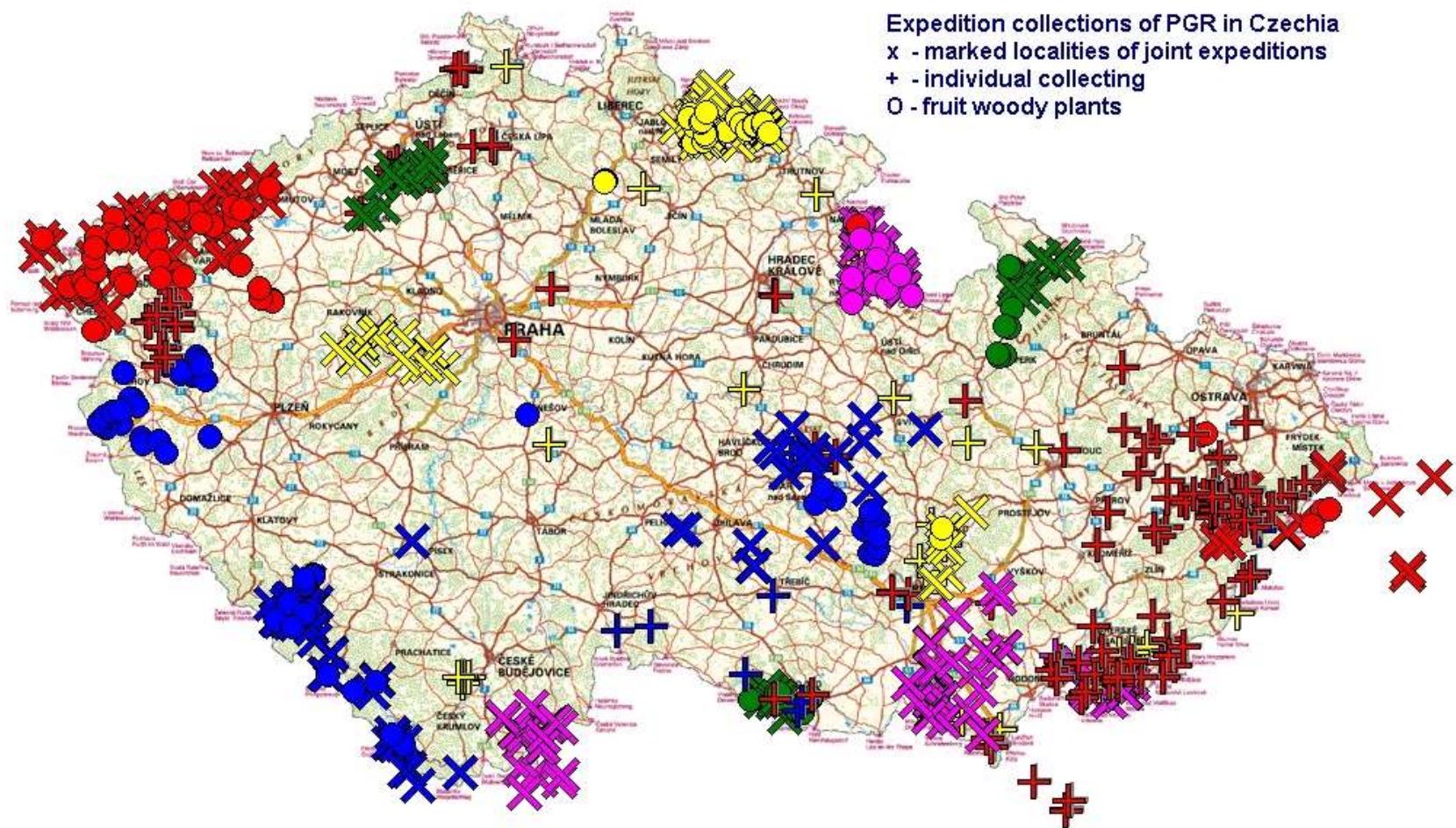


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# National programme - collecting in CR (since 1993)



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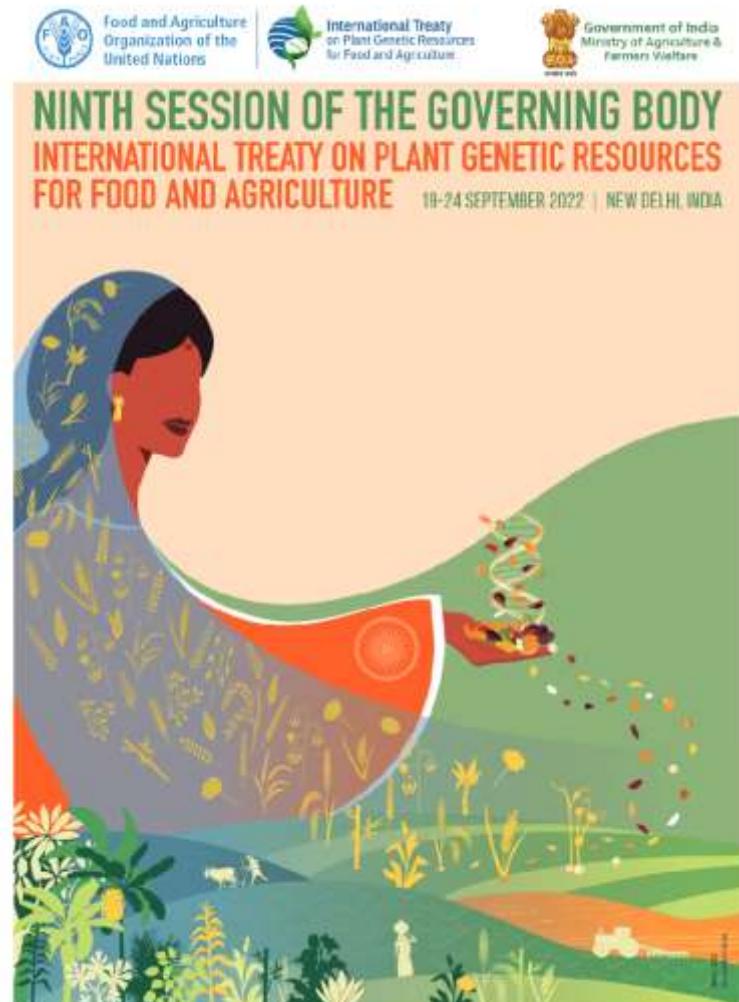
# National programme – Safety duplications

Slovak GB Piešťany 3 240

Svalbard Global Seed Vault 1 975



# National programme – international collaboration



Government of India  
Ministry of Agriculture &  
Farmers Welfare



NINETEENTH REGULAR SESSION  
Rome, 17-21 July 2023

40  
1983-2023



**ecobreed**  
IMPROVING CROPS



|                  | Curator        | Crop specialist    |
|------------------|----------------|--------------------|
| Allium           | Stavělíková    |                    |
| Avena            | Zavřelová      |                    |
| Barley           | Zavřelová      | Nesvadba           |
| Berries          | Krška          | Sedlák             |
| Beta             | Hlásná Čepková |                    |
| Brassica         | Kopecký        | Rychlá             |
| Cucurbits        | Doležalová     |                    |
| Fibre Crops      | Maková         |                    |
| Forages          | Vymyslický     | Raab               |
| Grain Legumes    | Krobotová      | Hýbl               |
| Leafy Vegetabl.  | Doležalová     |                    |
| Maize            | Hlásná Čepková |                    |
| Malus/Pyrus      | Krška          | Sedlák             |
| Medic-Aromatic   | Smékalová      | Kaffková           |
| Potato           | Domkářová      |                    |
| Prunus           | Krška          | Nečas              |
| Solanaceae       | Stavělíková    |                    |
| Umbellifer Crops | Kopecký        |                    |
| Vitis            | Pavloušek      | Střalková          |
| Wheat            | Hermuth        | Zavřelová          |
| Wild species     | Holubec        | Vymyslický         |
| On-farm          | Holubec        | Krška              |
| Docum/Inform     | Papoušková     | Holubec            |
| Cryoconserv.     | Faltus         | Zámečník, Bilavčík |

# National programme – New phase for 2023 – 27



Prepared by GB and Ministry of Agriculture

- Based on reporting format FAO,
- Six priorities - 19 working activities



**P1 *In situ***

**P2 *Ex situ***

**P3 Sustainable use of PGR**

**P4 Development of capacities**

**P5 Increasing of public awareness**

**P6 International cooperation**





**Thanks to crop curators and you for attention**