

The development and status of the National Inventory - Poland

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Financing

- Multiannual programme
- Title: Creating scientific base of biological advance and **protection of plant genetic resources** as a source of innovation and **support for sustainable agriculture and national food safety**
- Duration: 2015-2020
- Total financing: approx. 85m PLN
- **PBAI Genebank: approx. 47m PLN (11m €)**

Genebank Tasks

1. Coordination of protection and sustainable use of plant genetic resources for food and agriculture (PGRFA)
2. Gathering, preservation, evaluation, documentation and sharing PGRFA
3. Maintenance of central seed long term storage of PGRFA and herbarium
4. Maintenance of central database and share of PGRFA information
5. Broadening diversity of PGRFA in rural areas and PGRFA awareness enhancement

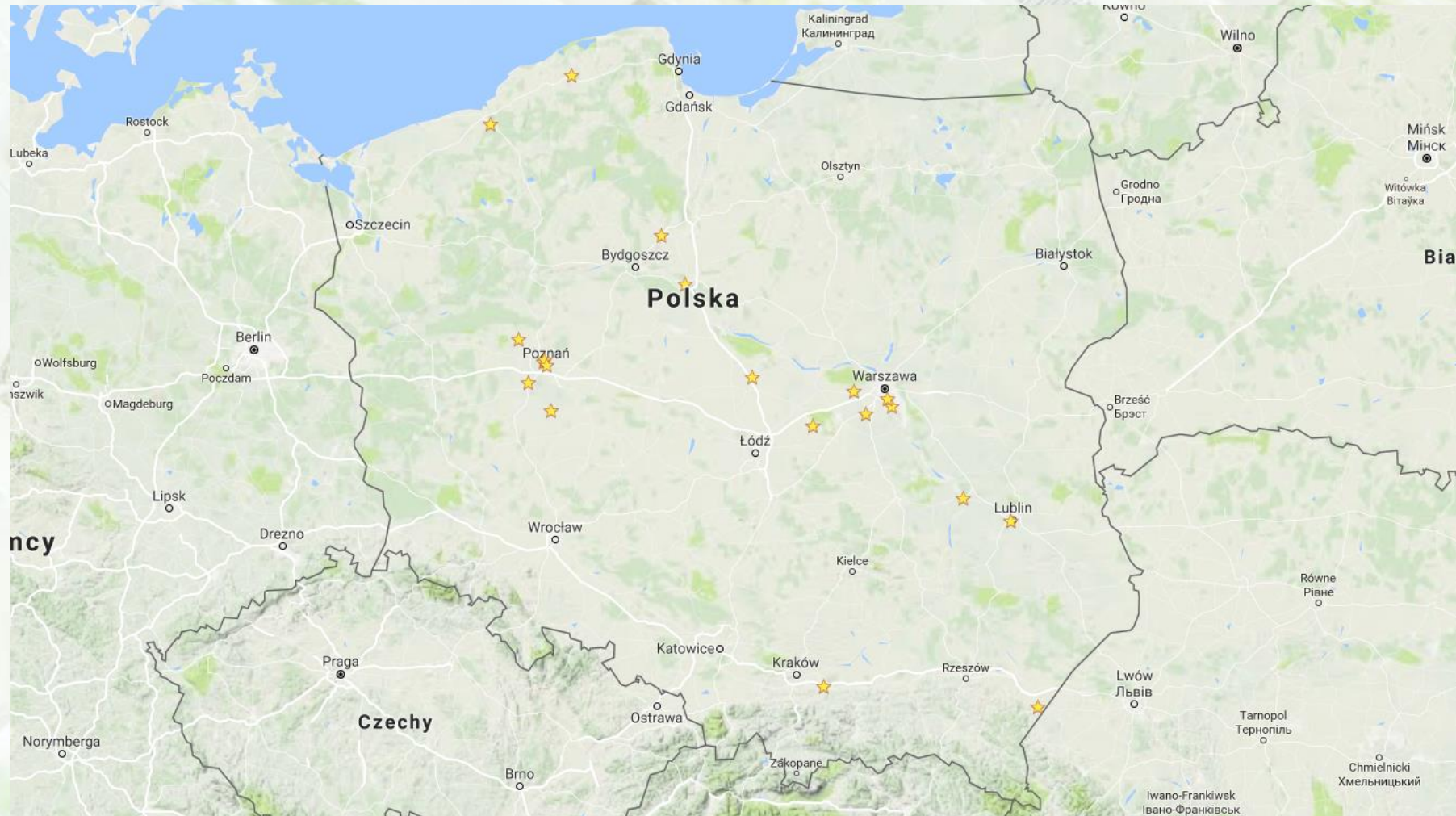
Cooperating institutions - PBAI

- Poznań Plant Breeders Ltd. – **Pea, Lupine, Bird's foot**
- The Institute of Natural Fibres and Medicinal Plants – **Flax, Hemp, Medicinal plants**
- Institute of Soil Science and Plant Cultivation – **Tobacco, Hop**
- University of Life Sciences in Lublin – **Triticale, Durum wheat**
- Institute of Plant Genetics – **Marginal large seed legumes**
- Plant Breeding Strzelce Ltd. – **Wheat**
- Center for Biological Diversity Conservation in Powsin – **Rye**
- Warsaw University of Life Sciences – **Herbs**
- Sugar Beet Breeding Kutno Ltd. – **Beet**
- Little Poland Plant Breeders Ltd. - **Buckwheat**
- PBAI – Młochów – **Potato (2x)**
- PBAI – Bonin – **Potato (4x)**
- PBAI – Botanical Garden – **Grasses, Small Seed Legumes**
- PBAI – Breeding station Grodkowice - **Oat**

Cooperating institutions – Research Institute of Horticulture

- Research Institute of Horticulture – **Vegetables, fruits, berries**
- Arboretum and Institute of Physiography – **old fruits varieties**
- Centre for Biological Diversity Conservation in Powsin – **Apple, old Roses varieties**
- Warsaw University of Life Sciences – **Cucurbits**
- Poznań University of Life Sciences – **Grapevine, Asparagus**
- Association of Chełmiński and Nadwiślański Landscape Parks – **old Apple varieties**
- Breeding station Karzniczka – **Ornamental Plants**

Cooperating institutions - Map

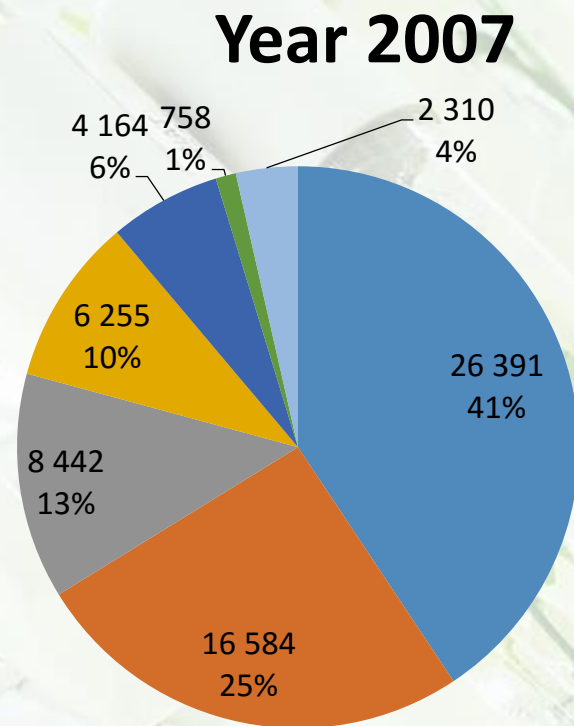


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Genebank in numbers

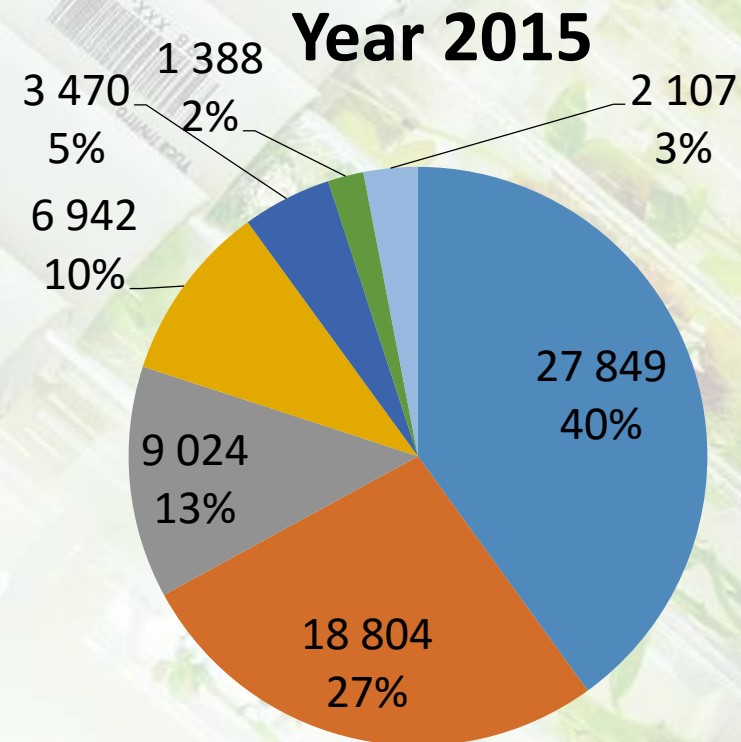
- Number of records in Information System – **81 842**
- Accessions available for distribution – **49 654**
- Accessions in Multilateral System (MLS) – **39 749**
- EURISCO accessions – **70 209**
- AEGIS accessions – **344** (195 Wheat, 149 Barley)

Accessions in the long term storage



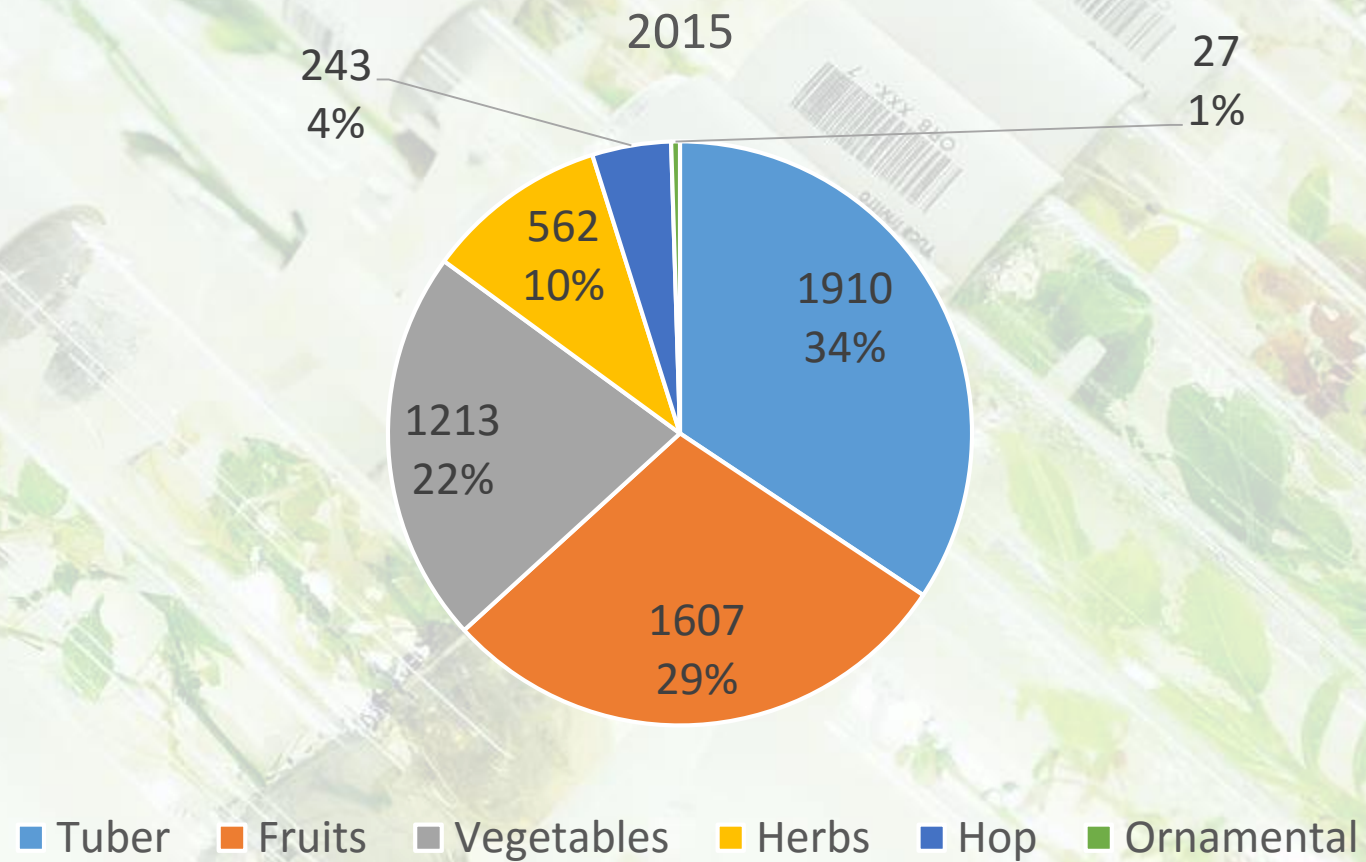
TOTAL – 64 904

- Cereals
- Grasses
- Large seed legumes
- Vegetables
- Oil and industrial crops
- Small seed legumes
- Other



TOTAL – 69 620

Accessions in an other collections



TOTAL – 5 563

Accessions distribution (2008–2014)

Number of samples	Crop group	Total Number of accessions preserved
400 179	Root crops	1 564
4 627	Cereals	27 849
2 696	Large seed legumes	9 024
818	Fibre plants	895
803	Grasses	18 804
422	Fruit trees	1 551
372	Industrial crops	1 307
359	Herbs	902
225	Oil crops	2 291
134	Vegetables	9 231
102	Reclamation crops	23
72	Small seed legumes	1 386
15	Segetal plants	210
250	Other	

Information System – Characterization and evaluation data

Name	No of records	Name	No of records
Wheat (<i>Triticum</i>)	36 320	Bean (<i>Phaseolus</i>)	290
Barley (<i>Hordeum</i>)	12 515	Buckwheat (<i>Fagopyrum</i>)	282
Oat (<i>Avena</i>)	7 902	Common hop (<i>Humulus lupulus</i>)	250
Durum wheat (<i>Triticum durum</i>)	7 665	Onion/Shallot (<i>Allium</i>)	234
Cocksfoot (<i>Dactylis</i>)	6 064	Tufted hairgrass (<i>Deschampsia caespitosa</i>)	177
Fescue (<i>Festuca</i>)	4 634	Soil remediation	155
Triticale (<i>xTriticosecale</i>)	3 806	<i>Helichrysum</i>	116
Timothy-grass (<i>Phleum</i>)	2 604	Other (22)	693
Flax (<i>Linum</i>)	390	TOTAL	81 900

C&E database structure

- ... 🧑‍🌾 HEL_SREDNICA_KWIATOSTANU_WIECHY
- ... 🧑‍🌾 HEL_WYSOKOSC_LODYGI_DO_PIERWSZEGO_ROZ
- ... 🧑‍🌾 HEL_WYSOKOSC_ROSLINY
- ... 🧑‍🌾 HOR_ODPORNOSC_MACZNIAK_WLACIWIWY_I
- ... 🧑‍🌾 HOR_ODPORNOSC_MACZNIAK_WLACIWIWY_II
- ... 🧑‍🌾 HOR_ODPORNOSC_PLAMISTOSC_SIATKOWA
- ... 🧑‍🌾 HOR_ODPORNOSC_PLESN_SNIEGOWA
- ... 🧑‍🌾 HOR_ODPORNOSC_RYNHOSPORIOZA
- ... 🧑‍🌾 HOR_ODPORNOSC_WYLEGANIE_I
- ... 🧑‍🌾 HOR_ODPORNOSC_WYLEGANIE_II
- ... 🧑‍🌾 HOR_RZEDOWOSC
- ... 🧑‍🌾 HUM_BARWA_PEDU_GLOWNEGO
- ... 🧑‍🌾 **HUM_DLUGOSC_MIEDZYWIEZLI**
- ... 🧑‍🌾 HUM_DLUGOSC_PEDOW_BOCZNYCH

Nazwa	Nazwa En
1 - bardzo krótkie (< 12 cm)	1 - Very short (< 12 cm)
3 - krótkie (12,1 - 16 cm)	3 - Short (12,1 - 16 cm)
5 - średnie (16,1 - 20 cm)	5 - Medium (16,1 - 20 cm)
7 - długie (20,1 - 24 cm)	7 - Long (20,1 - 24 cm)
9 - bardzo długie (> 24 cm)	9 - Very long (> 24 cm)

C&E database structure

MIEDZYWIEZLI (Lista rozwijana) HUM_DLUGOSC_MIEDZYWIEZLI

Nazwa:

Nazwa En:

Nazwa w bazie:

Typ pola:

Słownik:

Nazwa	Nazwa En	Nazwa w bazie	Przedrostek	V
Bukwica (Betonica)	(Betonica)	user_betonica	BET	6
Bylica (Artemisia)	dagebrush (Artemisia)	user_artemisia	ART	24
Cebula/Szalotka (Allium)	Onion/Shallot (Allium)	user_allium	ALL	234
Chmiel zwyczajny (Humulus lupulus)	Common hop (Humulus lupulus)	user_humulus	HUM	250
Chrzan (Armoracia)	(Armoracia)	user_armoracia	ARM	16
Cząber (Satureja)	Satureja	user_satureja	SAT	13
Czosnek (Allium sativum)	Garlic (Allium sativum)	user_alliumsativum	ALLSAT	73

Elementy od 1 do 7 z 43 wszystkich Strona 1 z 7 następna >

 Usun

Kolumny zaznaczonego zestawu

 Dodaj kolumnę

Nazwa	Nazwa En	Nazwa w bazie
Rok oceny	Year of characterisation	ROK_OCENY
Kraj oceny	Country of C&E	KRAJ_OCENY
Roślina - Typ wzrostu	Growth class	HUM_TYP_WZROSTU
Roślina - Pokrój	Plant habit	HUM_ROSLINA_POKROJ
Roślina - Barwa pędu głównego	Colour of vine	HUM_BARWA_PEDU_GLOWNEGO
Roślina - Długość międzywęźli	Lenght of internodes	HUM_DLUGOSC_MIEDZYWIEZLI

Elementy od 1 do 100 z 31 wszystkich Strona 1 z 1

Thank You

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