PGR portals give the user what the user needs

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resistant to Bremia

Lettuce Search

I'm Feeling Lettuce



Genebank A

10 Lactuca accessions with medium to high resistance to Bremia Not available

Genebank B

7 Lactuca accessions with low to high resistance to Bremia

Available with SMTA

Delivery time: 1 week

Costs 25 € per accession

Order here

Genebank C

25 Lactuca accessions with high resistance to Bremia

Free available

No contract

Delivery time: 2 weeks

Order here





- value of PGR depends on available information
 - for collection management
 - internal: to support logistics & monitoring of seed quality and utilization
 - external: to optimize collection composition determine what users want, diversity in your and other collections
 - for use
 - overview available material
 - characteristics of the material



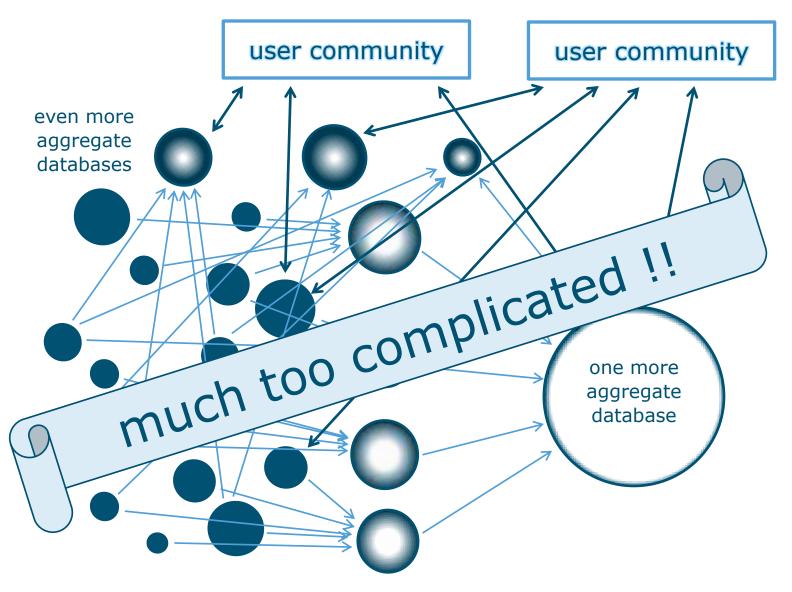
- history genebank documentation
 - in the beginning: paper, card boxes
 - use based on knowledge of curators
 - later: computers
 - index semini
 - inventories on floppy discs
 - downloadable data files
 - on-line searchable databases
 - even later: combined databases
 - Central Crop DataBases
 - EURISCO (inventories of European genenbanks) & GeneSys





- genebank documentation
 - more sophisticated on-line searchable databases
 - searchable C&E data
 - on-line ordering / click-wrap signing SMTA
 - very complex!
 - too many sources
 - genebank databases
 - 46 ECPGR central crop databases
 - EURISCO, GeneSys, WIEWS, GBIF
 - once the material is located, is it available?





data sources

aggregate databases



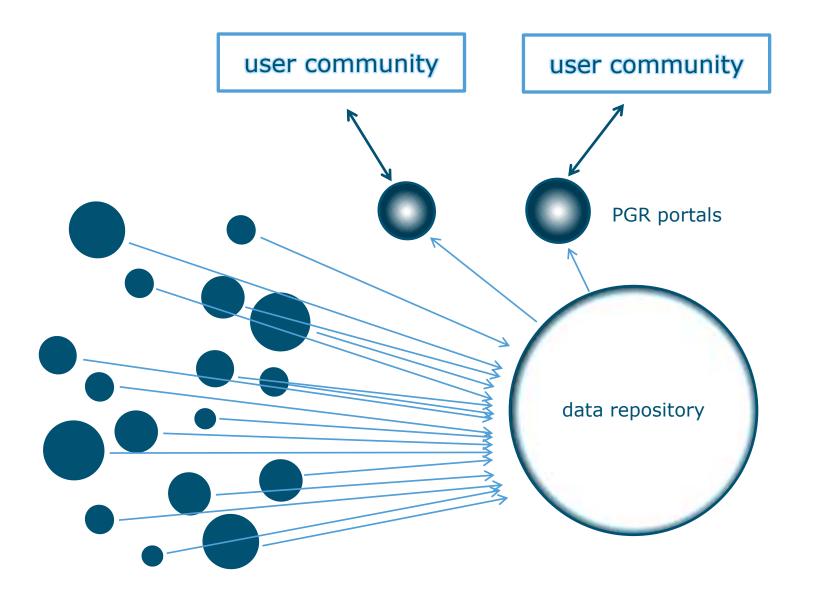
- PGR information
 - now: supply driven
 - "look what we have"
 - objective: demand driven
 - "where can I find the material that I need?"
 - no interest in other crops
 - "where can I find the traits that I need?"
 - not only genebank material, but also commercial cultivars or material conserved in situ
 - "how can I get it?"
 - preferably reliable, quick, no paperwork, no costs



PGR information

- PGR portals
 - for specific target group
 - lettuce breeders
 - potato breeders and researchers
 - Dutch hobby gardeners interested in old Dutch varieties
 - European policy makers interested in ex situ conservation
 - guided by feedback of the target group
 - feedback boxes
 - correspondence and interviews with target group
 - "what would you like to find on this site?"





data sources



- European situation
 - all data to EURISCO
 - no duplication of labour and data in CCDBs
 - use crop knowledge of the ECPGR working group for user support
- CGN made two prototypes
 - lettuce by Rob van Treuren
 - potato door Roel Hoekstra
 - supervised by Theo van Hintum
 - technical support by Frank Menting





- www.pgrportal.nl/potato
- www.pgrportal.nl/lettuce



Welcome to the lettuce crop portal that aims to guide you to the relevant information regarding the plant genetic resources of lettuce. PGR material Traits Other info About





Providing information on genetic resources collections and commercial breeding, and intending to help you finding material of your interest.



Guiding you to germplasm using trait data as a starting point.

More lettuce information



Other info



About

General information



Finding Vegetable PGR



Genetic resources

Commercial breeding





Genetic resources collections

Lettuce collections are maintained by genebanks, research institutes and non-governmental organizations (NGO's).



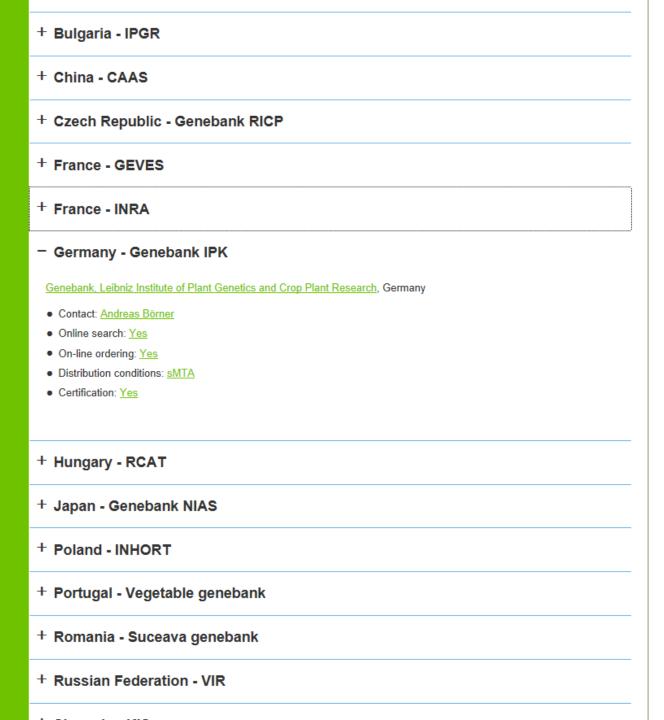
The following overview, of collections with more than 50 accessions, provides information on their website, on-line ordering facility, contact information of the curator, availability of characterization and evaluation (C&E) data and distribution conditions. You can download this overview in Excel format at the end of this page.

Do you have any experiences with these collections?

Please give your feedback in the comment box at the end of this page.

Collection overview

+ Bulgaria - IPGR



+ Turkey - Genebank AARI
+ Ukraine - Genebank UAAS
+ United Kingdom - WGRU
+ United States - USDA
(Download collection information in Excel format.) (11,15 kb)
Re:act
Message
Name*
Please insert the sum of these numbers (use numbers): one + five = * React



PGR material Traits Other info About



Traits

For trait information, a distinction is generally made between characterization and evaluation.

Characterization data are usually related to morphological traits and are generally collected from field trials or during the regeneration of accessions. Evaluation data are usually related to germplasm performance, such as resistance to pest and diseases, resistance to abiotic stress or the amount of contained chemical compounds. However, since the distinction between characterization and evaluation is not always clear, a single list of traits is presented in the following overview. The inventory intends to guide you to germplasm for which trait data have been collected. This will allow you to select material based on trait information.

B -carotene content	Leaf anthocian coloration	Pappus color
Bolting time	Leaf attitude at harvest maturity	Pemphigus bursarius resistance
Bolting uniformity	Leaf attitude at juvenile stage	Petiole hairiness
Bremia lactucae resistance	Leaf bitterness	Petiole width
Browning of cutting stem	Leaf blade	Plant diameter
Consumer acceptance	Leaf blade division at juvenile	Sclerotinia sclerotiorum
6 1 1	stage	resistance





PGR material

Traits

Other info

About

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Bremia lactucae resistance



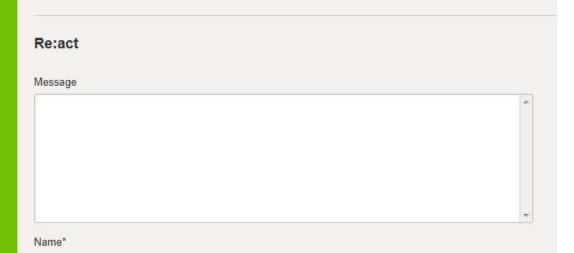
If you are aware of on-line available data that are not listed, please give your reaction in the comment box below!

Centre for Genetic Resources, the Netherlands (CGN)

Download Search

Research Institute of Crop Production (RICP), Genebank, Czech Republic (ILDB data)

Download



Thanks for your attention!



