

Want to know more?
Visit Genesys at:
www.genesys-pgr.org

Want to get in touch?
Send an email to:
helpdesk@genesys-pgr.org



Genesys is operated and developed by the Crop Trust.

Genesys for genebank users



Access standardized data from **more than 500 genebanks**, ready to explore online or download.



Use advanced tools to search through **more than 4 million accessions** using a rich mix of data.



Browse through **more than 700 germplasm subsets and datasets** of characterization and evaluation data to find the plant material with the traits you need.



Find similar accessions held in different genebanks with the "Similarity Search" tool.



Create your own subsets based on the climate and soil variables of your choice.



Identify accessions with specific ecogeographic adaptations by analysing the climate where they were originally collected, both now and in the future.

Genesys user cases

In search of lost seeds

Genesys can help you identify crops that are under-represented in genebanks, and the geographical locations that collecting missions may have missed, or only visited a long time ago.

From little seeds...

Passport data from Genesys has been used to develop and update global strategies that will guide the conservation of crop diversity.

Seeds for all seasons

With the help of the Genesys Climatic Search tool, scientists have identified a set of accessions collected from environments with extreme weather conditions, with the aim to produce crops that withstand a changing climate.

You can request material from some genebanks through Genesys. If you found an accession that you like, but that is not available for distribution from one genebank, you can use our Similarity Search tool to look for an alternative accession in another genebank.



Genesys

A window on the world's genebank collections



About Genesys

Genesys is the world's largest online portal to information about crop diversity conserved in genebanks. It brings together information on all the millions of accessions stored in genebanks around the world for access via one easy-to-use website.

The portal makes it easy for all institutions with collections of crop diversity to make their data publicly available. It allows breeders and other genebank users to quickly search for crop samples located in over 500 collections around the globe

Users can discover material of interest on Genesys and then continue to refine their search on the websites of individual genebanks (if available) as needed. They can also then reach out to genebank curators for assistance in obtaining the material most relevant for their needs.

As of January 2024 it contains:



4 million+
Accession records



500+ Genebanks



700+ Characterization & Evaluation

Genesys for genebanks

Raise the visibility of your collection and conservation efforts. By including your accession data in Genesys, you will:

- ✔ Have an online presence alongside other genebanks around the world
- ✔ Reach a global and diverse audience
- ✔ Take the quality of your data to the next level

Genesys is built for discovery

Genesys lets you explore accession data in different ways, across hundreds of genebanks. For example, you will be able to use our tools to find accessions in other genebanks that are similar to material in yours.

The Genesys team helps you organize, validate and clean your data before publication. You can reach out to us for more information on our tools for validation of taxonomic names and geographic coordinates, for guidance on acquiring accession DOIs, and more.

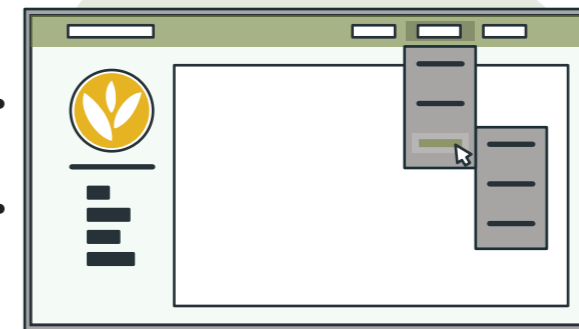
Genesys is intended to provide public access to the information on your collection. You can decide exactly what data you wish to make public, and you retain ownership over it.

Your online starter pack

With these Genesys services, you can reach more potential users of the germplasm in your genebank, and of the data associated with it.

Our team puts out regular information products

You can allow users to request germplasm from your genebank via Genesys



You can integrate your Genesys data and functions in your own institute's website

Your genebank has its own landing page in Genesys, maintained by our team but managed by you

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Our "Embedded Genesys" can save you time and money by integrating data from Genesys directly into your own website.

Many genebanks use this option as a simple alternative to hosting and maintaining separate public databases.

