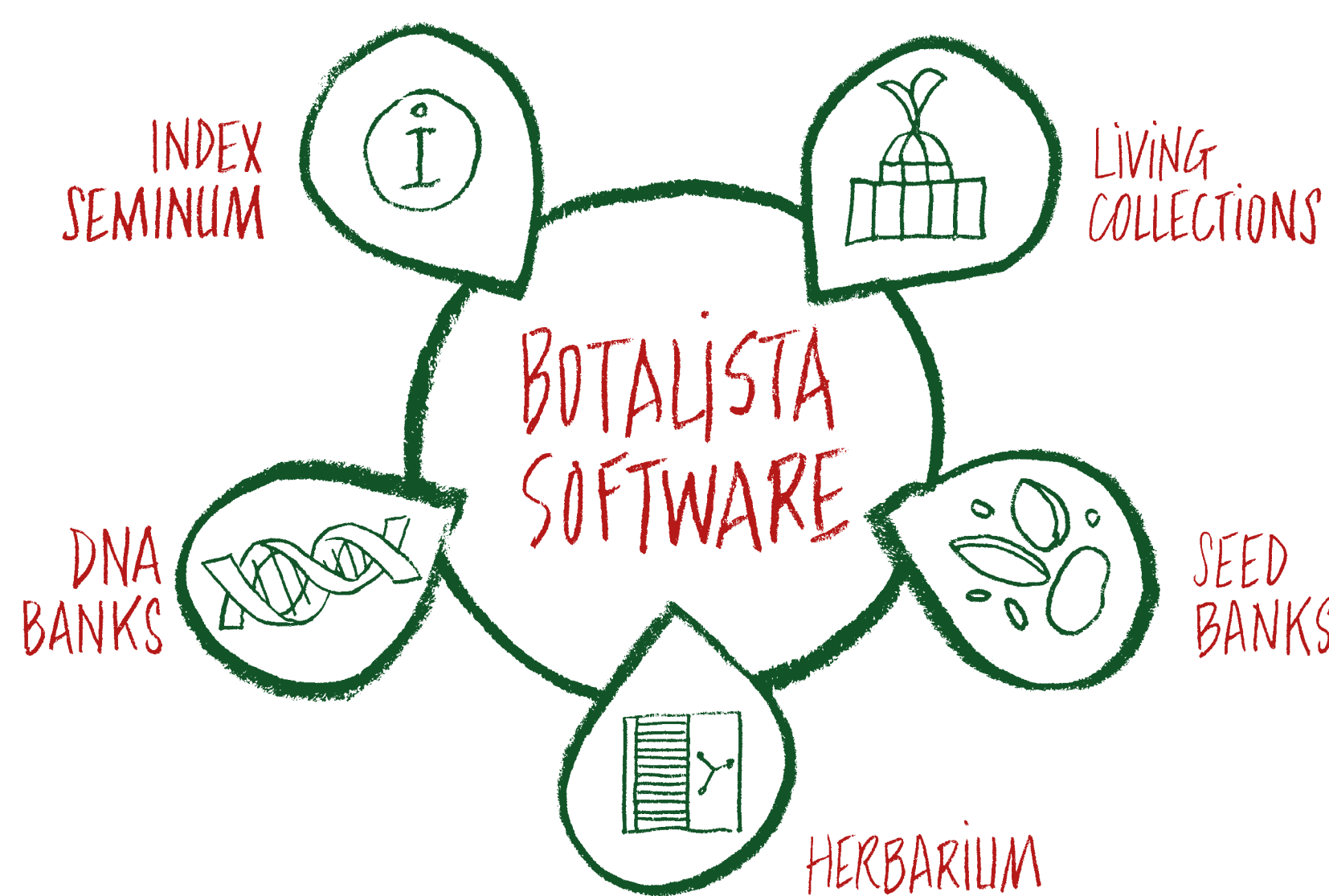


Botalista

An open-source tool for
managing botanical collections
and sharing information

Botalista is a collaborative solution for the management of botanical collections (living collections, herbaria, seed banks, DNA banks, and more). Driven by a community of users and a shared governance, it promotes data interoperability and information exchange at the international level.

Boillat C., Crisnaire R., Vivent D., Mulhauser B., Palese R. & Schoenenberger N.



Interconnected Modules

Botalista has a modular architecture, where each component corresponds to a specific function: acquisition, cultivation, taxonomy, labelling, exchanges, conservation, etc.

Each component operates independently, while sharing a common database. This ensures overall data consistency, real-time interoperability, and adaptability to each member institution's needs.

Botavista Data Dissemination Platform

In addition to the management tool, public data from participating institutions is disseminated via the Botavista platform. Designed as a collaborative showcase, it highlights the diversity of botanical collections within an open data approach.

Each garden freely chooses the data to be displayed, contributing to collective visibility that is transparent and useful for knowledge sharing and conservation.

Interoperability

Botalista relies on an open architecture based on data exchange standards and rigorous information structuring. The DataShare Center allows institutions to share and align common references (nomenclature, conservation status, etc.), ensuring interoperable consistency.

This approach facilitates alignment with international references such as World Flora Online, and eases collaboration between institutions as well as publishing to scientific platforms.

Community-Based Governance

Botalista is developed and maintained by a nonprofit association composed of its institutional users.

This structure ensures collaborative governance:

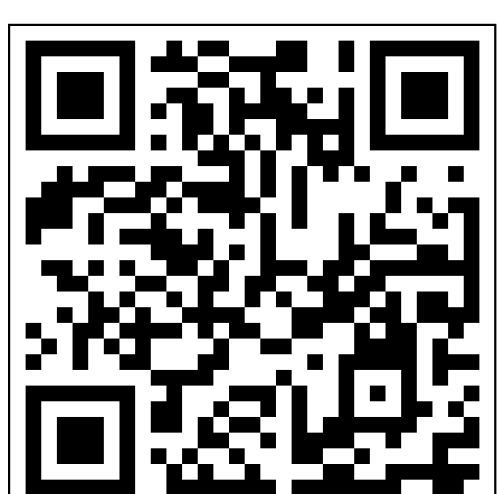
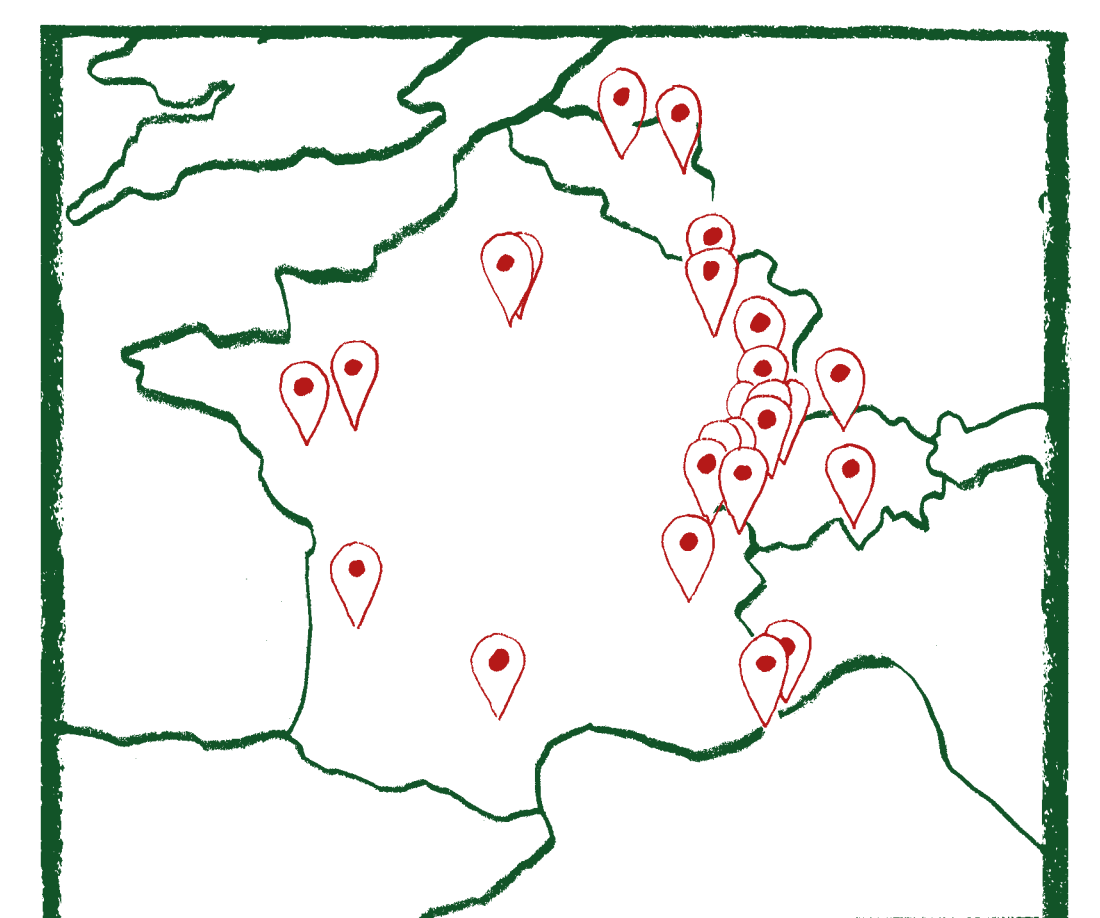
- Strategic decisions are made collectively
- The roadmap is discussed in the general assembly
- Priorities evolve based on the real needs of participating gardens

This model promotes transparency, user engagement, and long-term sustainability.

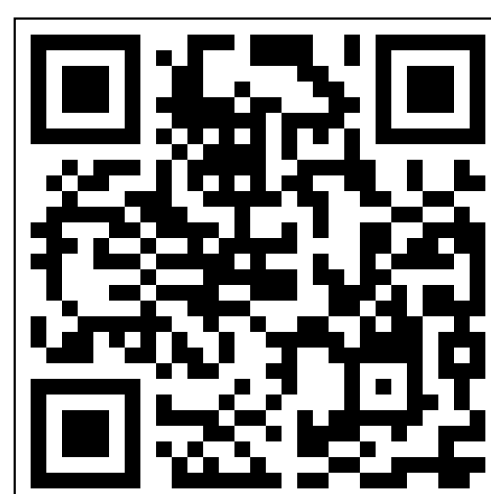
Growing Adoption

Already adopted by several institutions in Switzerland, France, and Belgium, Botalista is adaptable to a wide range of institutional and operational contexts.

The software is natively multilingual, supporting its deployment on an international scale.



Website
<https://botalista.community/>



Open data publishing
<https://botavista.com/>



Test the application here!
<https://sandbox.botalista.community/>
login: cjb
password: cjb

Botalista Association

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