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Limagrain Vegetable Seeds



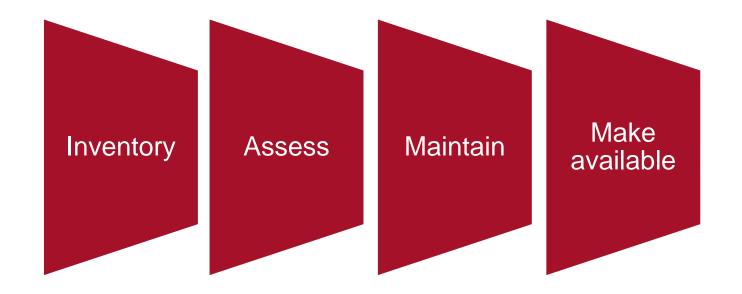
Origin and context in 1996

- The improved cultivars derived from modern breeding programs were rapidly replacing old traditional Open Pollinated population-varieties (OP) and landraces
- Need to secure the historical genetic resources of importance for the future
- Initiation of the "Carrot and other Daucus French Network".





Collaboration within the French Daucus Network Principal Aim



The French genetic patrimonial resources under a National collection





The partners



A voluntary based PPP with a wide range of partner profiles





Identify

 Analysis of the French heritage and accessions of interest

Share

Partners
 participate to
 the collection
 constitution

Assess

 Common evaluation during an annual trial

Maintain

 shared effort and experience (seed propagation and conservation)









- A unique opportunity to be part of a group of carrot national experts
- The will to secure the historical genetic resources of importance for the future

Mutualize the characterization and conservation of the French genetic

resources.







Benefits from PPP

Knowledge sharing within an Expert group

Better understanding of Daucus genus

Direct access to unique resources

Share with international community

Descriptions for further use in breeding





Reporting

One Annual steering meeting

One annual field trial

Annual Financial reporting (internal to each partner)





Collaboration within the French Daucus Network Data management

- Observation data are made available to partners in the yearly report following the annual meeting and trial.
- Data and seeds resource list are not yet made publicly available :
 - Lack of web interface
 - Questioning about the status of resources regarding the Nagoya protocol.
 - However, information and seeds are provided upon request
- Seeds available through:
 - Special MTA for network partners
 - SMTA for external partners





Factors of success & limitations

Voluntary based organization

reactivity, flexibility and efficiency

Shared interest in the species

Equilibrium: private/common /public good

Motivation of the participants and their related managements.

Need to be challenged

Difficulty to acquire collaborative evaluation data

Difficulty to initiate small/medium scale projects (funding).





A nursery for collaborative projects

- Genetic resources: Valorizing wild carrot genetic resources for an innovative breeding (2008-2011):
 - Collect In-situ, conserve and make available French wild genetic resources
 - Improve knowledge and taxonomic identification of wild subspecies
 - Estimate the diversity within the French wild compartment (Molecular)
 - Describe and evaluate the traits of interest for further use in breeding
- But also for genetics and breeding oriented projects: carrot pigments, carrot quality....





Carrot and other Daucus French Network

 With the hope that the PPP for the good of genetic resources will continue despite hardening regulations and competing interests!

• LINK:

- https://www6.angers-nantes.inra.fr/irhs_eng/Research/QuaRVeg/Research-topics/BRC-Vegetable-Apiaceae



