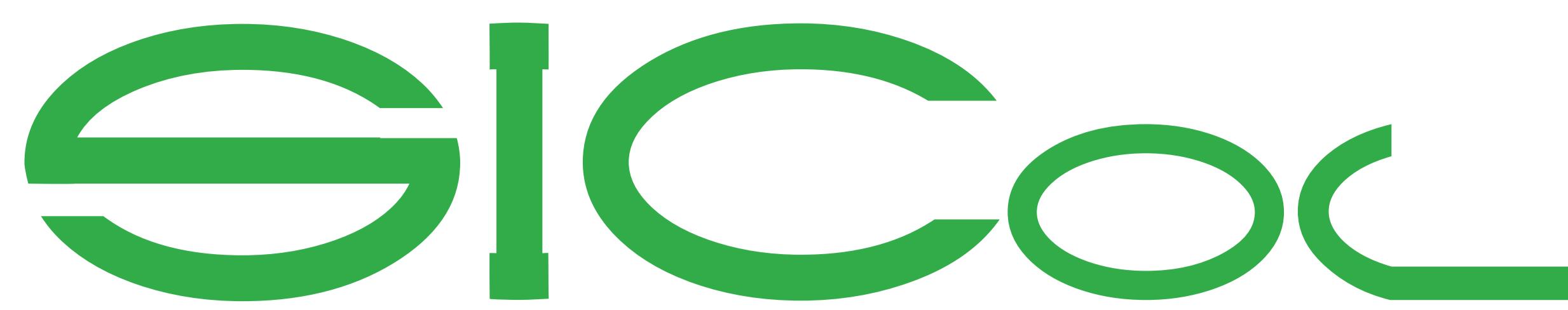
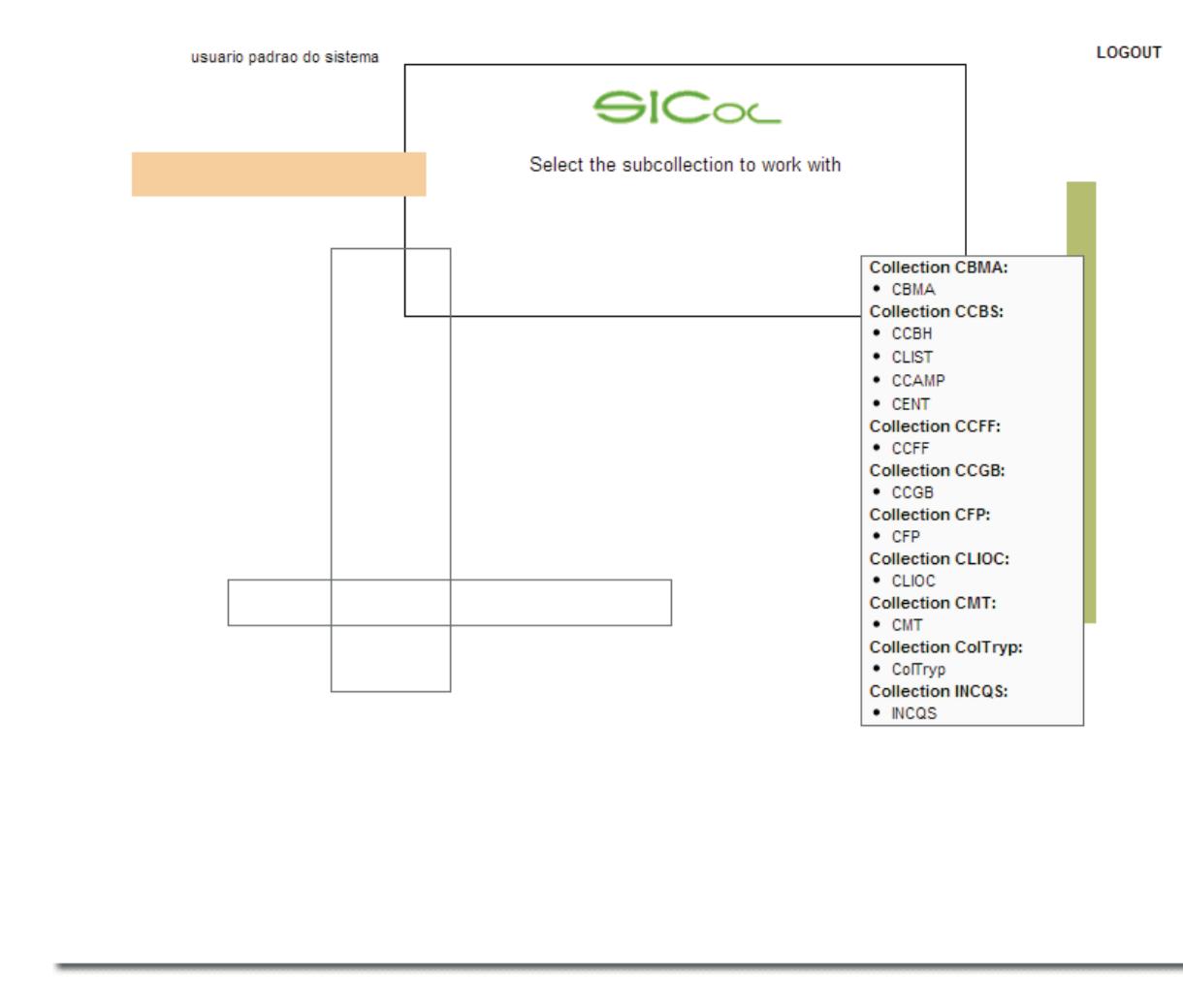


µSICol - A management system for microbial collections

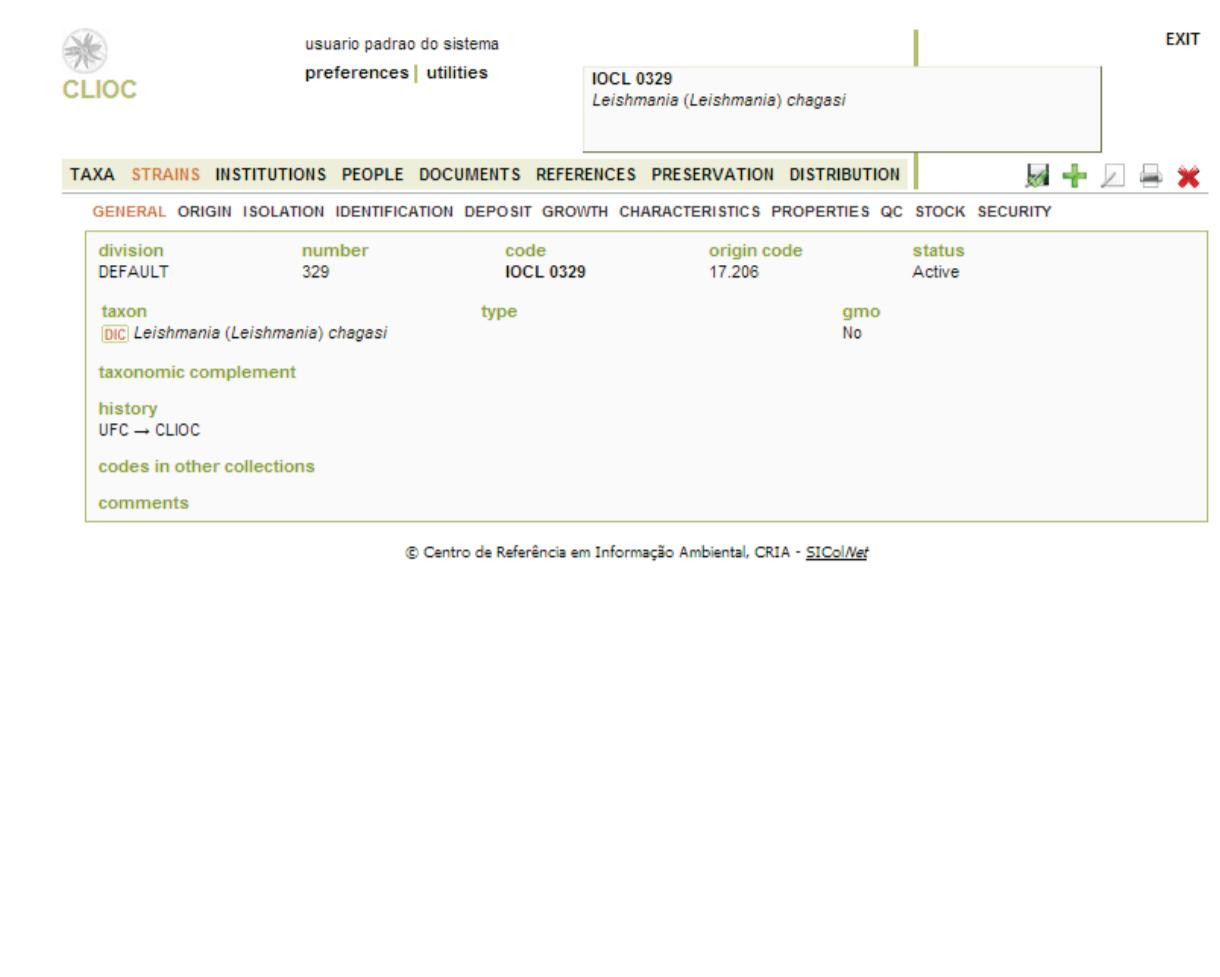


S.Souza, J.F.R.Guimarães, D.A.L.Canhos, A.Marino, D.Rocha, V.Canhos
Centro de Referência em Informação Ambiental, CRIA. Brazil, www.cria.org.br

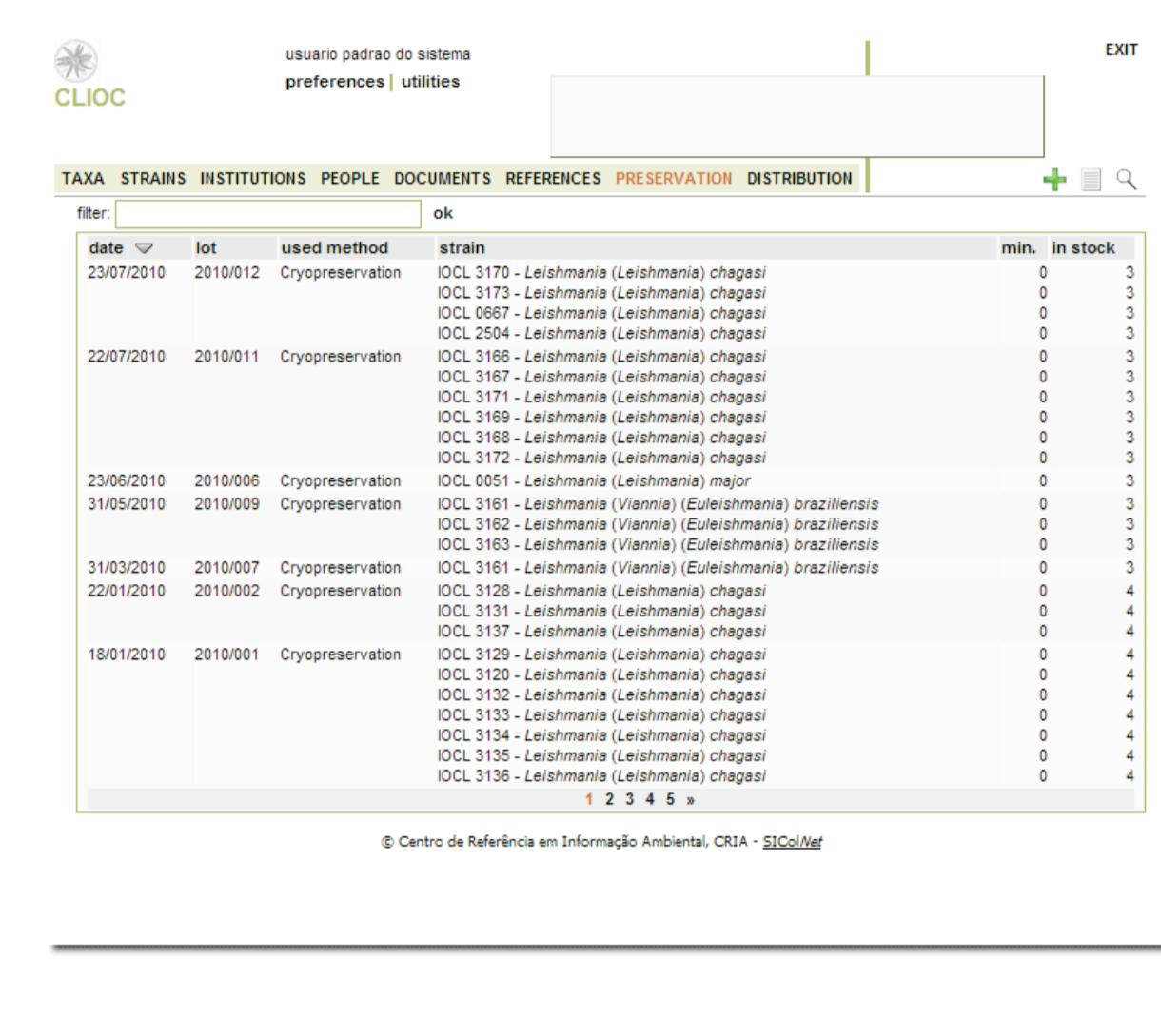
Snapshots



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user padrão do sistema	preferências config.
SAIR	
taxa	strains
institutions	people
documents	references
preservation	distribution
distribution	



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INSTITUTIONS	PEOPLE
DOCUMENTS	REFERENCES
PRESERVATION	DISTRIBUTION
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INSTITUTIONS	PEOPLE
DOCUMENTS	REFERENCES
PRESERVATION	DISTRIBUTION
DISTRIBUTION	

Objectives

µSICol is a microbial collection management system that is being developed by the Reference Center on Environmental Information (Centro de Referência em Informação Ambiental), CRIA, since 2005 with the support from the Ministry of Science and Technology. Its goal is to support best management practices and documentation of processes and products ensuring traceability and facilitating free and open access to data through the internet (speciesLink, SIColNet, catalogues).

System Characteristics

Based on CABRI (Common Access to Biological Resources and Information) guidelines and customizable to attend specific needs and requirements.

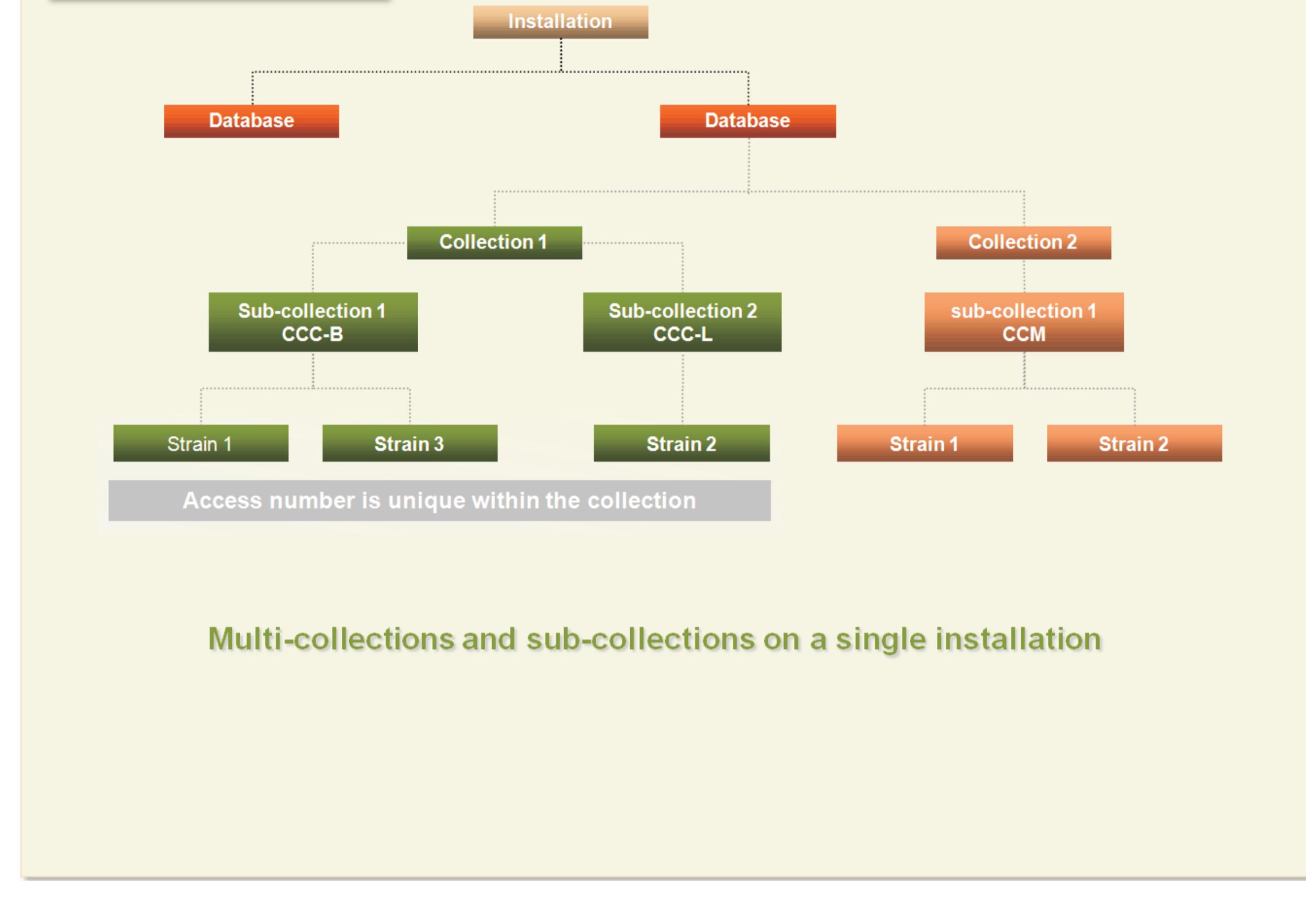
Based on web technology and runs on different platforms.

Provides both free text and controlled vocabulary fields.

Provides mechanisms for internal references to documents, bibliography, and scientific names previously registered.

Multilingual for both navigation and content.

Provides a robust security schema for access to the registered information in different levels (user, group and record level).



Components

Collection documentation

(archaea, bacteria, filamentous fungi, yeast and protozoa)

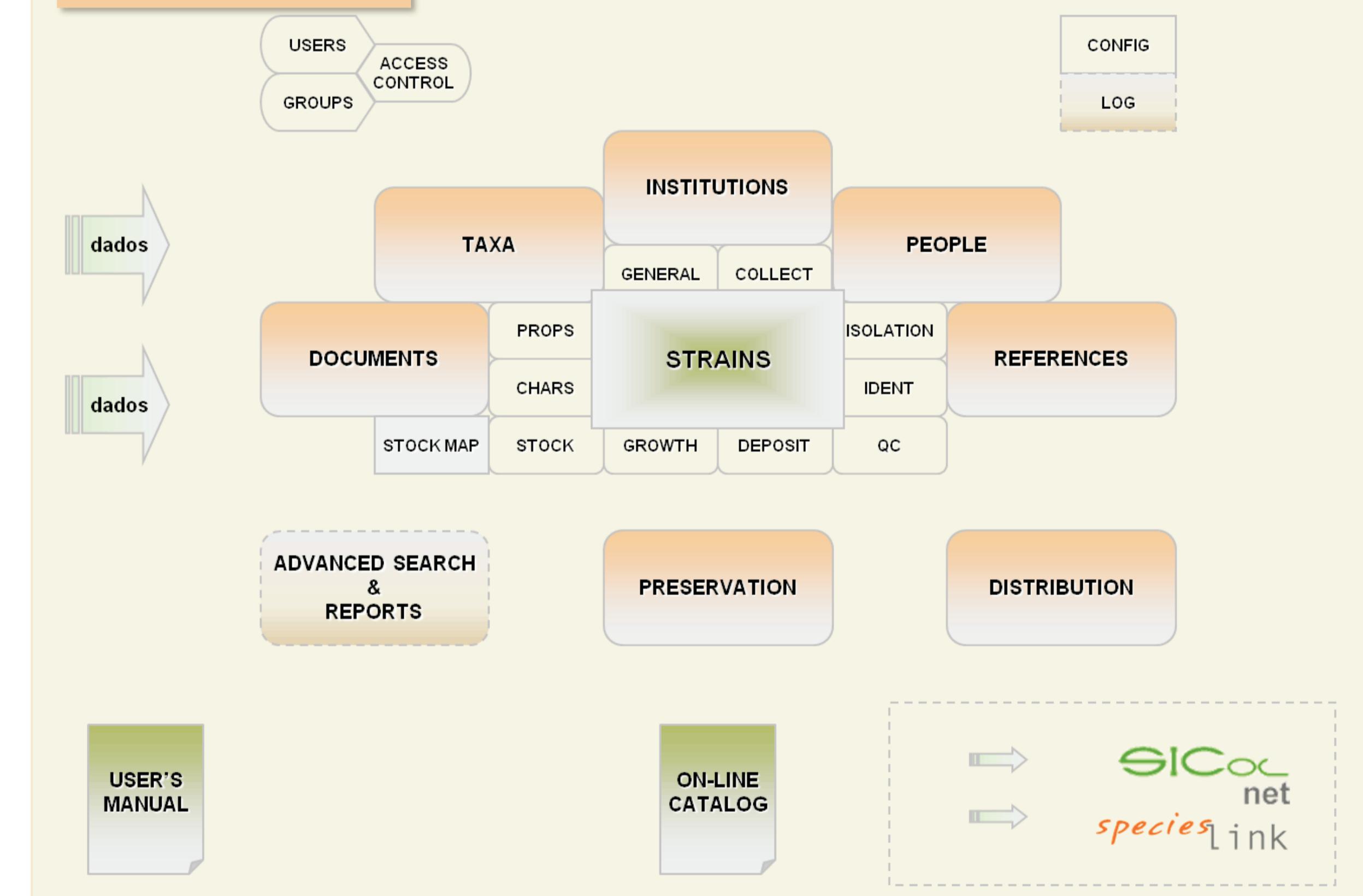
Strains
Taxa (configurable for different taxonomic groups)
Institutions
People
Documents
Bibliographic References

Documentation of processes

Preservation
Distribution
Quality Control
Stock Control + Stock maps (minimum stock alert)

External access catalogue

Integration with SIColNet e speciesLink



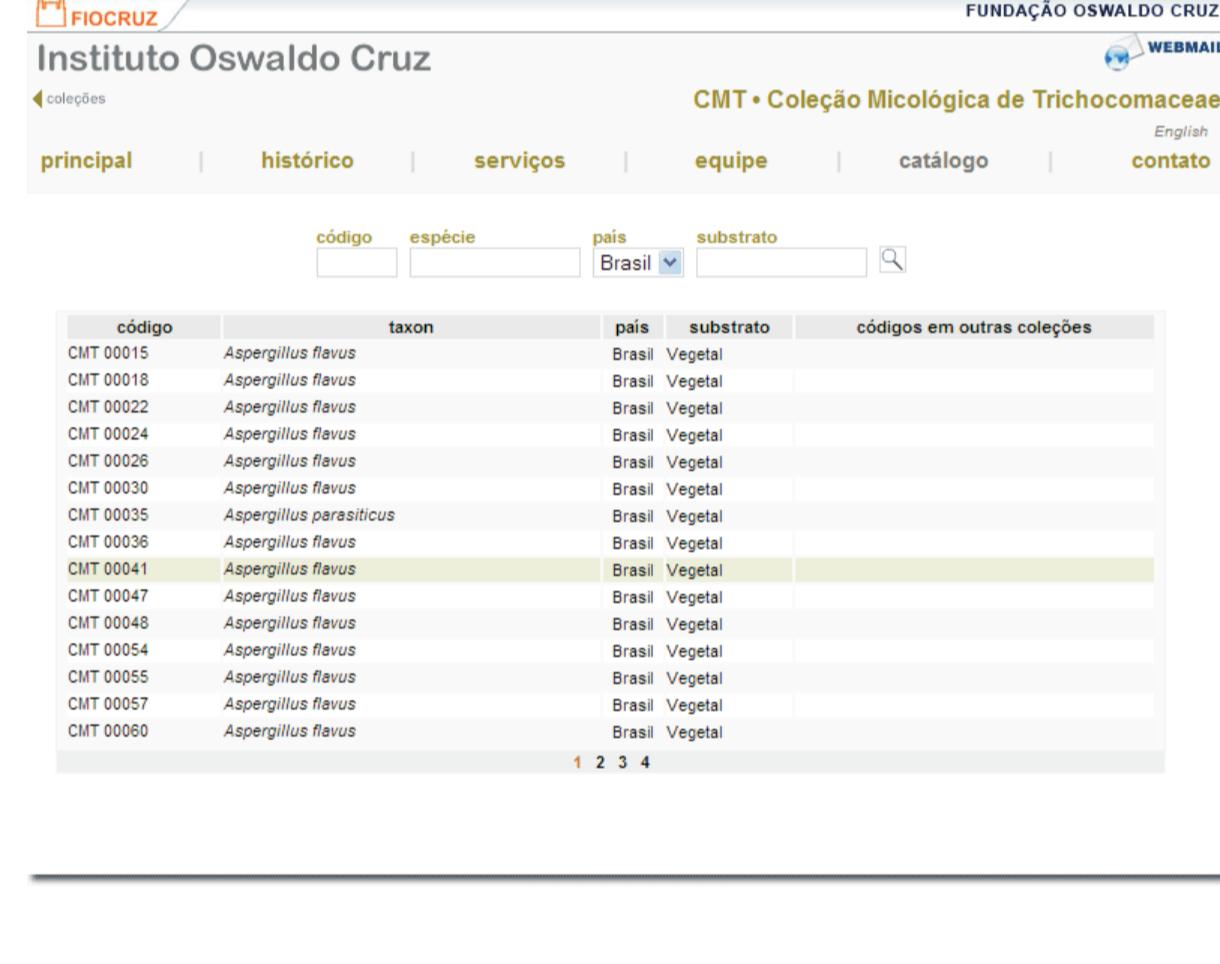
Coleção de Leishmania, CLIOC
Coleção de Culturas de Microrganismos de Ambiente e Indústria, CBMAI
Coleção de Culturas de Bactérias de Interesse em Saúde, CCBS
Subcoleção de Listeria, CLIST
Subcoleção de Campylobacter, CCAMP
Subcoleção de Culturas de Bactérias de Origem Hospitalar, CCBH
Subcoleção de Enteropatógenos Bacterianos, CENT
Coleção de Culturas de Fungos Filamentosos, CCFF
Coleção de Culturas de Bacillus e Gêneros Correlatos, CCGB
Coleção Micológica de Trichocomaceae, CMT
Coleção de Trypanosoma de Reservatórios Silvestres, Domésticos e Vetores, ColTryp
Coleção de Bactérias da Amazônia, CBAM
Coleção de Fungos da Amazônia, CFAM
Coleção de Bactérias da Mata Atlântica, CBMA
Coleção de Fungos Patogênicos, CFP
Coleção de Microrganismos de Referência do Instituto Nacional de Controle de Qualidade em Saúde, INCQS

Online Catalogues

µSICol has a built-in module to produce a customized catalogue for each collection



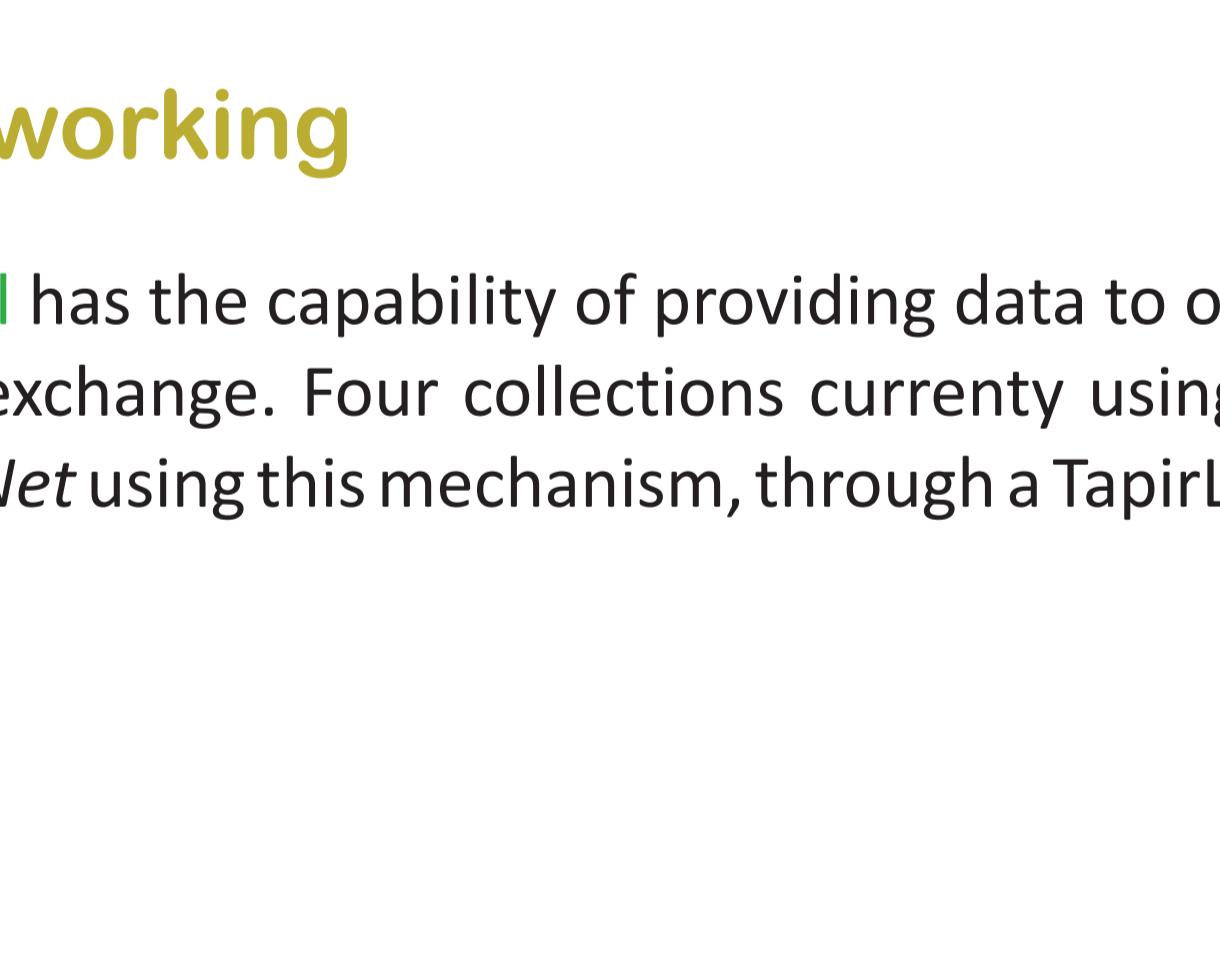
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Networking

µSICol has the capability of providing data to other networks using a DarwinCore2 extended mechanism of data exchange. Four collections currently using µSICol are providing data to the speciesLink network and SIColNet using this mechanism, through a TapirLink server.



Next steps

The development of µSICol is modular. Next features include:

Advanced search producing basic and customized reports and graphics

Reports on traceability

Continuous improvements on existing modules based on user feedbacks

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<http://sicol.cria.org.br>

