RECOLNAT

a multiparty approach

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OBJECTIVES OF THE E-RECOLNAT INFRASTRUCTURE

7 776 837 specimens

2660 users

67 missions

e-ReColNat provides naturalistic collections that have been digitised. This virtual laboratory allows you to discover collections, to increase their numbers, to share and enrich them.

- Find out more
- eReColNat figures

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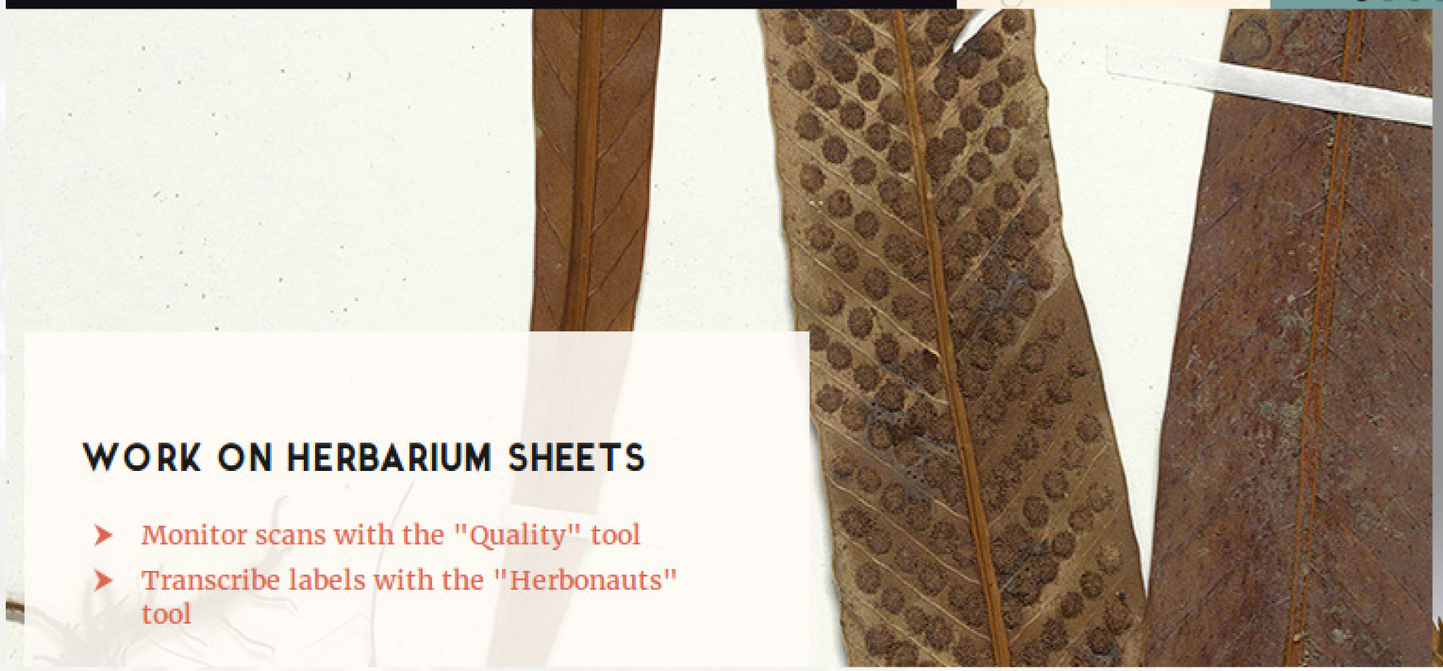


WORK ON HERBARIUM SHEETS

- Monitor scans with the "Quality" tool
- Transcribe labels with the "Herbonauts" tool

ENTER THE VIRTUAL LABORATORY

- Begin your career in the Collaboratory

WEB PORTAL → https://www.recolnat.org

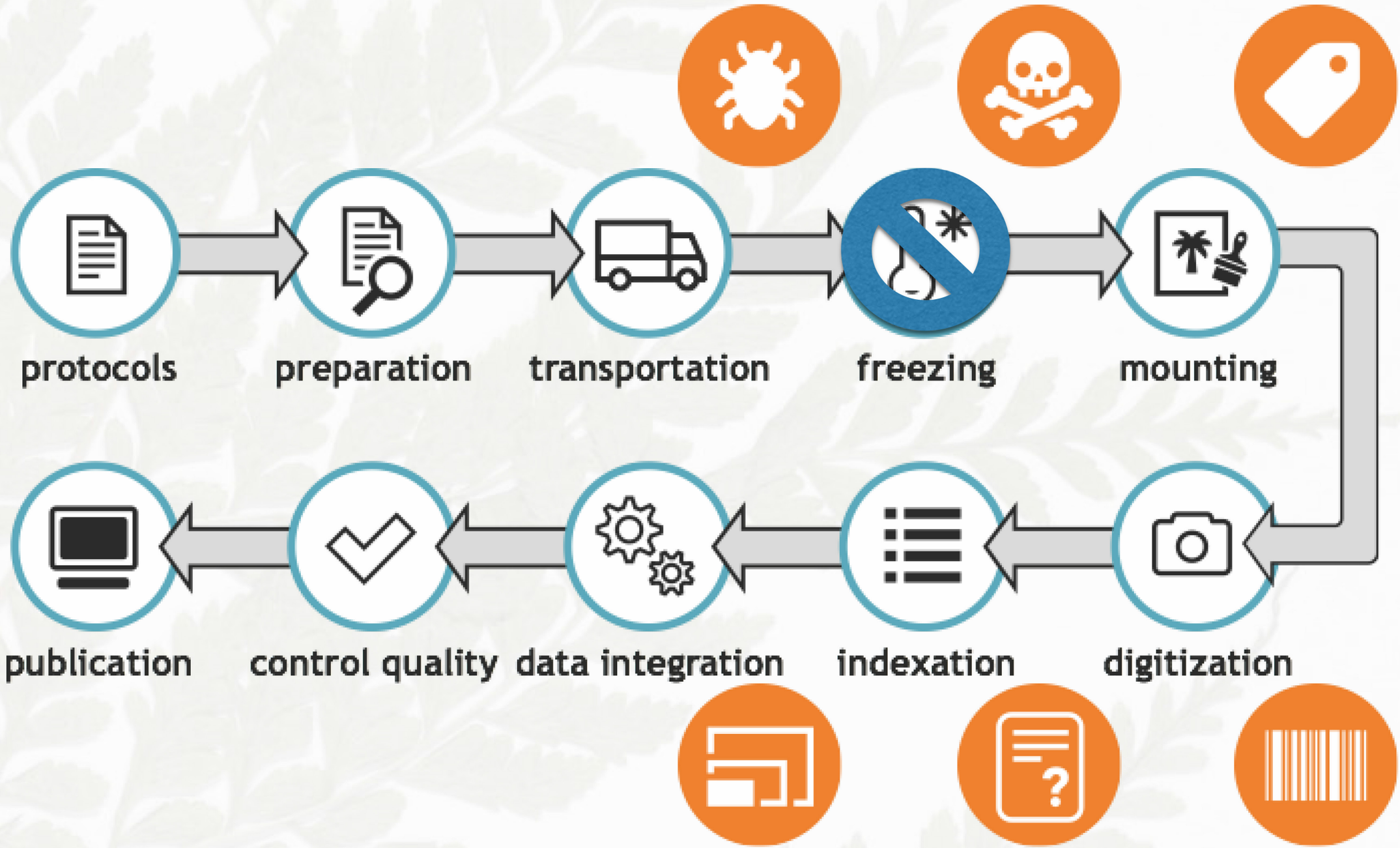
The herbarium project

the key facts

- mounting by an external service provider
- number of partners
- heterogenous data
- automated workflows

To mount:	To digitize:	Partners	Institutions	Collections	Persons involved	Production locations
1.500.000	**2.200.000**	**3**	**39**	**230**	**80/200** direct/indirect	**5**

The reality: lots of challenges



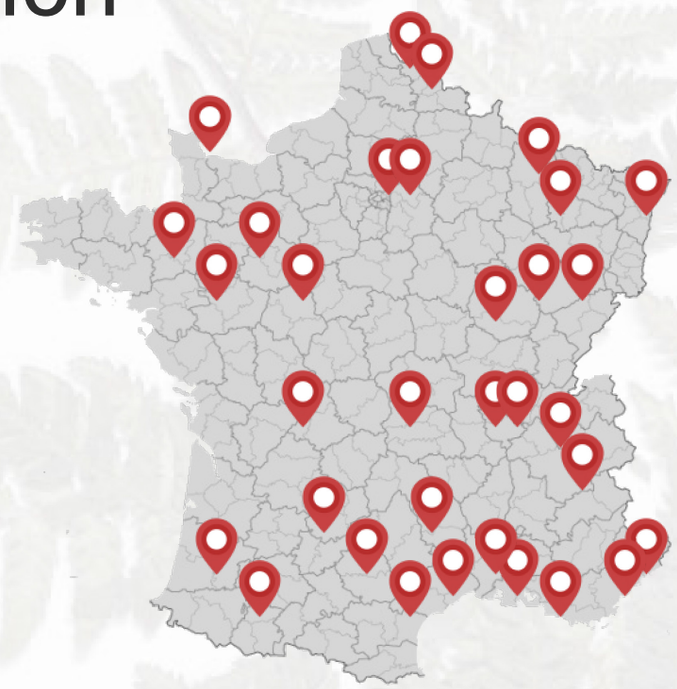
Which had to be solved by working together…

…which can be very difficult because:

1. **39 Collection holders:**
   - universities, municipalities, museums and natural history museums
   - heterogeneous collections
2. **Public Private Partnership with 3 partners:**
   - different goals
   - scientific knowledge
3. **Communication**
   - between the institutions, companies
   - cultures

Preparation

- Preparing the collections
- Packing, documentation, and logistical barcodes
- Transportation
- Freezing
- Storage



Mounting

Largest mounting operation in the world

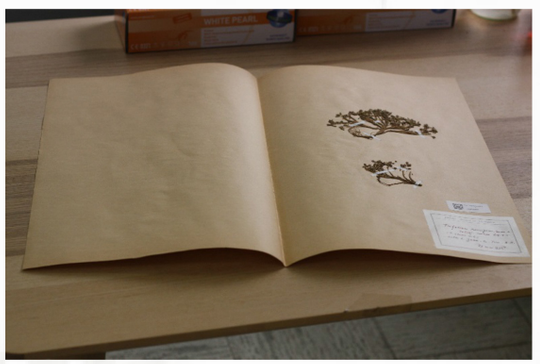
- One protocol for all:
    - paper strips with gummed paper or specimens sewed with needle and thread for a **reversible process**
    - gluing of the labels and barcoding
- Exceptions:
    - Historic Monument classification
- Issue solving (label interpretation) & quality control

Digitization

Industrial standardized process…

…versus heterogeneous collections

- Direct versus indirect digitization
- Automated process
- One protocol for all?
- Dealing with exceptions:
  - Barcodes
  - Covers



Indexation

- Lost in information…
- Finding a common level of indexation:
  - The taxon
  - Dealing with exceptions

RECOLNAT PRÉSENTATION | RECHERCHE | TRANSCRIRE | CONTRÔLER | LABO Me connecter

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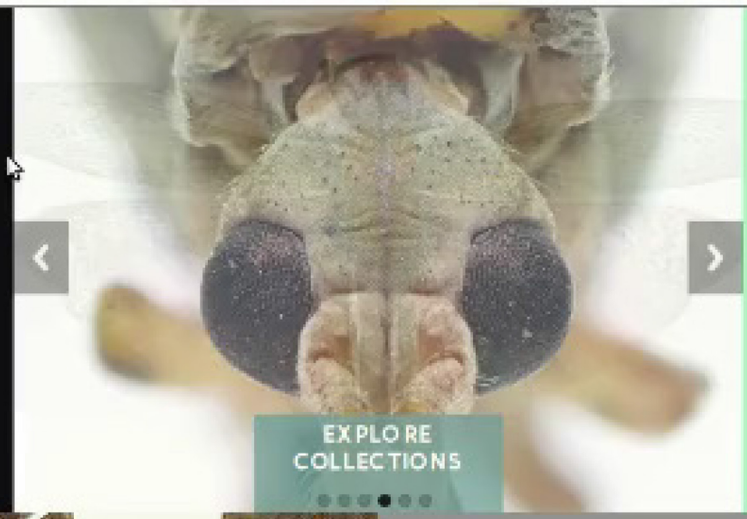

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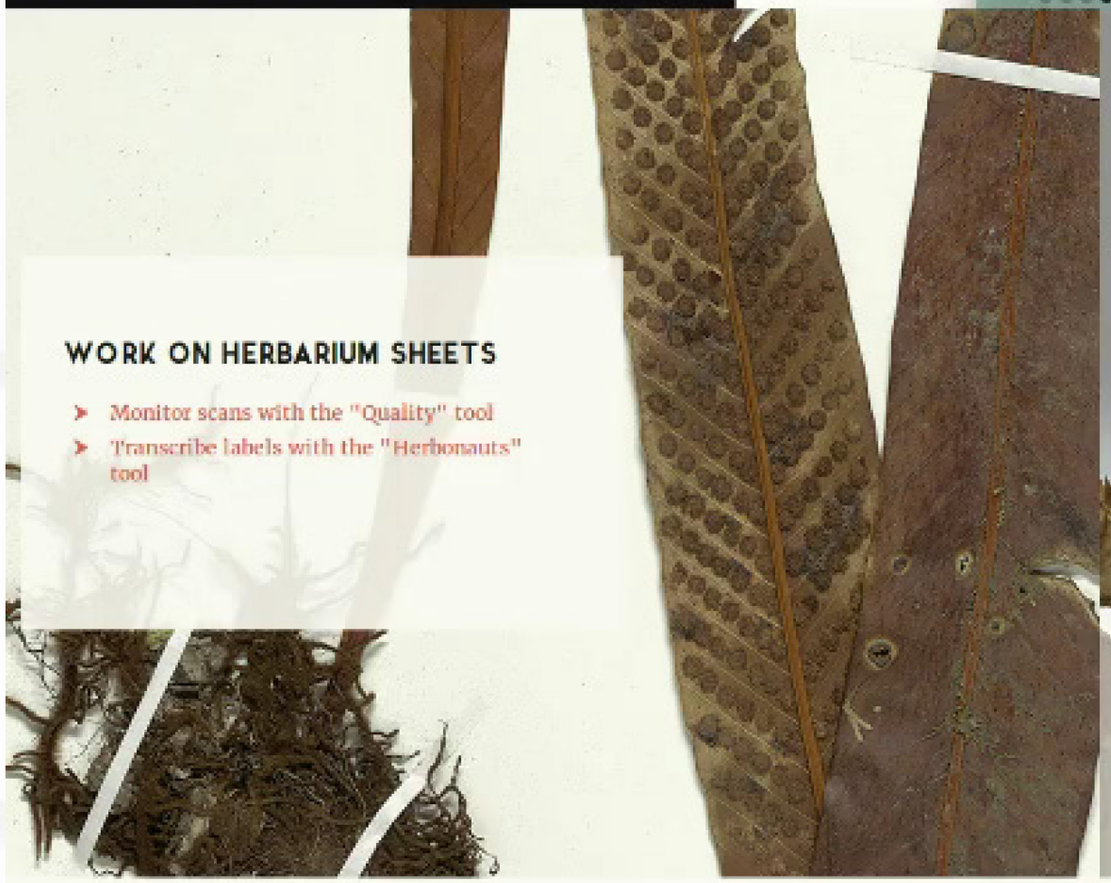

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Conclusions of a multiparty approach

- One can find a way to deal uniformly with heterogenous data :
  - Ensure that everyone does his job in time and correctly.
  - Keep communicating
  - Be flexible in finding solutions

It is certainly possible to work with that many partners!

Merci de votre attention!

Special thanks to everyone involved:

Conservatoire Botanique National PYRÉNÉES et MIDI-PYRÉNÉES

MUSÉUM NATIONAL D'HISTOIRE NATURELLE

GRAHAL

UNIVERSITÉ DE STRASBOURG

UNIVERSITÉ DE RENNES 1

UNIVERSITÉ MONTPELLIER

UCA UNIVERSITÉ Clermont Auvergne

autun CŒUR DE BOURGOGNE

Museum Requien Avignon

musée vert le mans museum d'histoire naturelle

VILLE DE LYON

cnrs dépasser les frontières

Tela Botanica

VTA Villa Thuret Antibes France

Université de Limoges

Conservatoire Botanique National

MUSÉE DE LA COUR D'OR Metz Métropole

INVESTISSEMENTS D'AVENIR

RECOLNAT

ALPIN

ESPACE PIERRES FOLLES

Dijon Jardin des Sciences muséum - planétarium - jardin botanique

gbif France

Conservatoire Botanique National BAILLEUL

Angers Muséum des sciences naturelles

PICTURAE

alf Herbarium Cirad

MUSÉUM D'HISTOIRE NATURELLE de Toulon et du Var

BESA Ville de Besançon Muséum

Parc national des Cévennes

alembo OPERATIONEEL EXCELLEREN

AGENCE NATIONALE DE LA RECHERCHE ANR

le cnam

Pierre Fabre Institut Botanique

AGORALOGIE

uB UNIVERSITÉ DE BOURGOGNE

INRA SCIENCE & IMPACT

MUSÉUM D'HISTOIRE NATURELLE DE NICE

IRD Institut de recherche pour le développement

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