Collection Digitisation at Naturalis

Naturalis
Biodiversity
Center

Why digitisation?

- Digitisation of collections for scientific research
- Digital information provides quality checks
- Digital information discloses collection virtually
- Dissemination of data to interest groups
- Consultancy role to business and government
- Exposure role for public
- Enhancing knowledge through education

Collection Digitisation at Naturalis

Targets

By the mid of 2015:

- A substantial part of the collection of 37M objects will be digitised: 7-8 million objects;

- An infrastructure is in place to continue digitisation.

Challenges

- Budget of €13M

- Collection of 37M objects

- Between 7-8 M objects will be digitised in detail;

- Out of which 3 million in house (digistreets);

- 4 million objects outsourced;

- 30 million objects will be "registered" digitally on a high level.

Approach

- We start with Pilots for representative data;

- Detailed level: in house Digistreets, 3M objects;

- Large volume: outsourcing, 4M objects;

Digistreets

- Characteristics:

  - 100.000 objects per month;

  - Priority driven (policy, research, moving);

  - 70 fte temporary in designated housing;

  - Detailed digitisation:

    - barcoding (datamatrix label, storage, location)

    - data-entry in registration application;

    - image; scan/photograph (when necessary);

  - Incorporated in Collection Registration System;

  - Linked to reference databases (like scientific publications or DNA-barcoding)
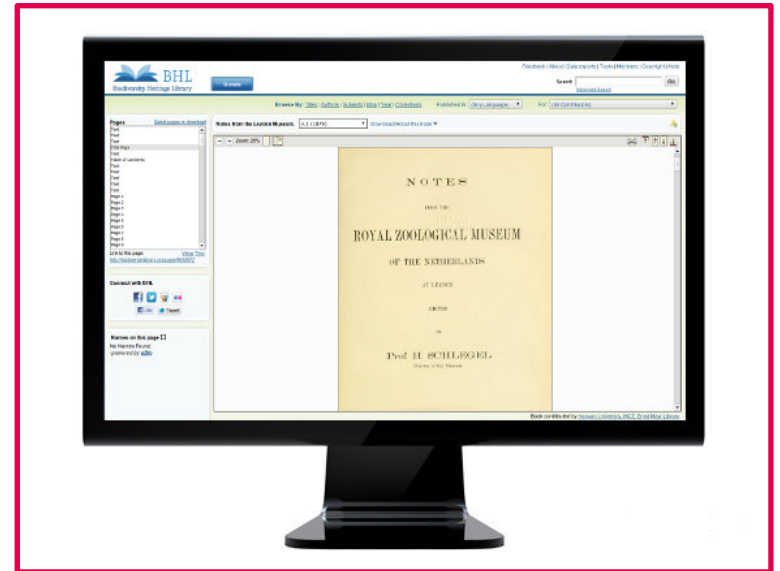
Digistreets (targets)

-     Herbarium Duplicates 150.000
-     Herbariumsheets   550.000
-     Molluscs   400.000
-     Alcohol   100.000
-     Entomology   850.000
-     Wood   130.000
-     (E)Vertebrates dry   325.000
-     (Microscopic) slides 1.025.000
-     Paper/2D   200.000
-     Geology   300.000

Outsourcing

- Characteristics:

    - Price/quality-ratio driven;

    - External handling;

    - Data and metadata control systems needed;

    - Photo's, scans in large numbers.

- Outsourcing:

    - Herbariumsheets 4.000.000
    - Paper/2D   400.000

Access

- Generated collection data will be made available through GBIF (Global Biodiversity Information Facility);

- Literature will be made available through BHL (Biodiversity Heritage Library);

- Selections of digitized content will be made suitable for and published in Europeana through OpenUp!;

- (Selections of) collections will be made available through different websites, like Dutch Species Catalogue, Geology of the Netherlands and many more.

Extra

- Crowdsourcing project for transcribing object labels;

- Digitization on Demand;

- LiveScience: a digistreet in the museum to bring scientists and museum visitors in personal contact with each other.

Gen. ~~Rivoltasia~~ Passeroptes ♀
Pdermicola
Sp. ~~latior~~
Aut. CANESTRINI 1894
Det. Lukoschus, 70
Zool. Lab. Nijmegen

022-71

RMNHACAP 40177

Hospes: Garrulus glandarius
Loc. Nymegen
Date 30-11-70
Lukoschus Leg.