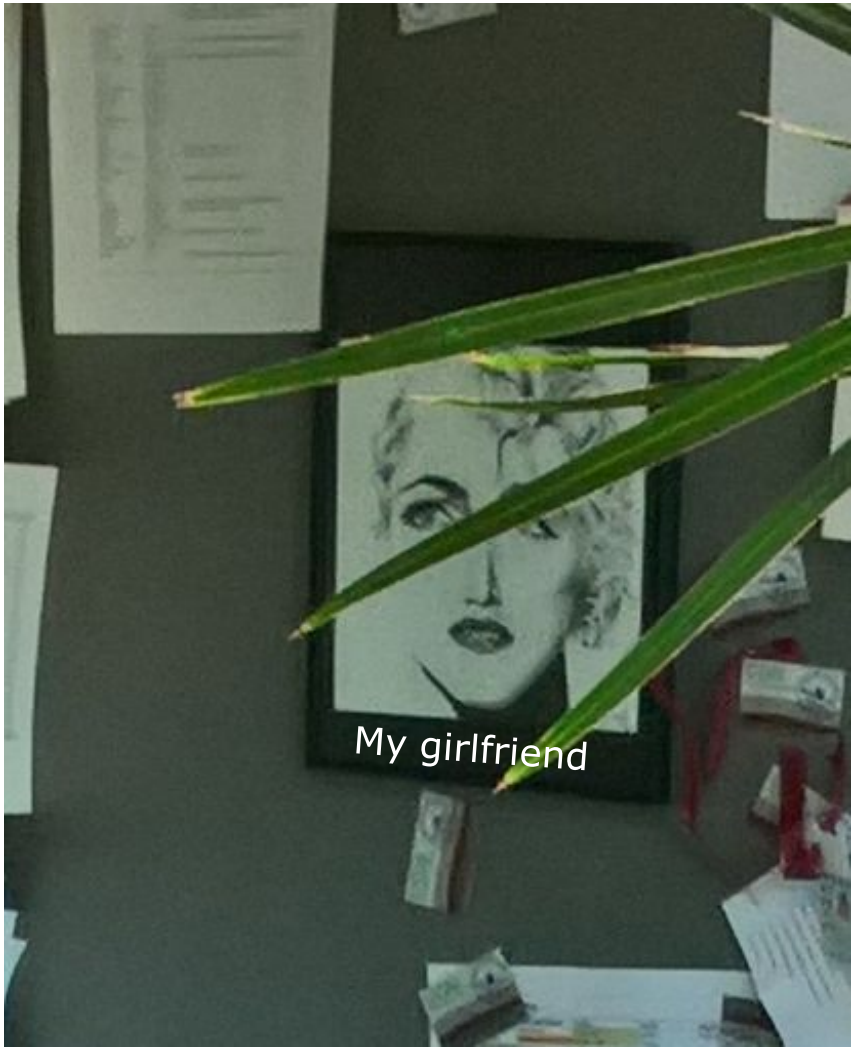
The National Inventory (NI) of the Netherlands

14 October 2016, Frank Menting

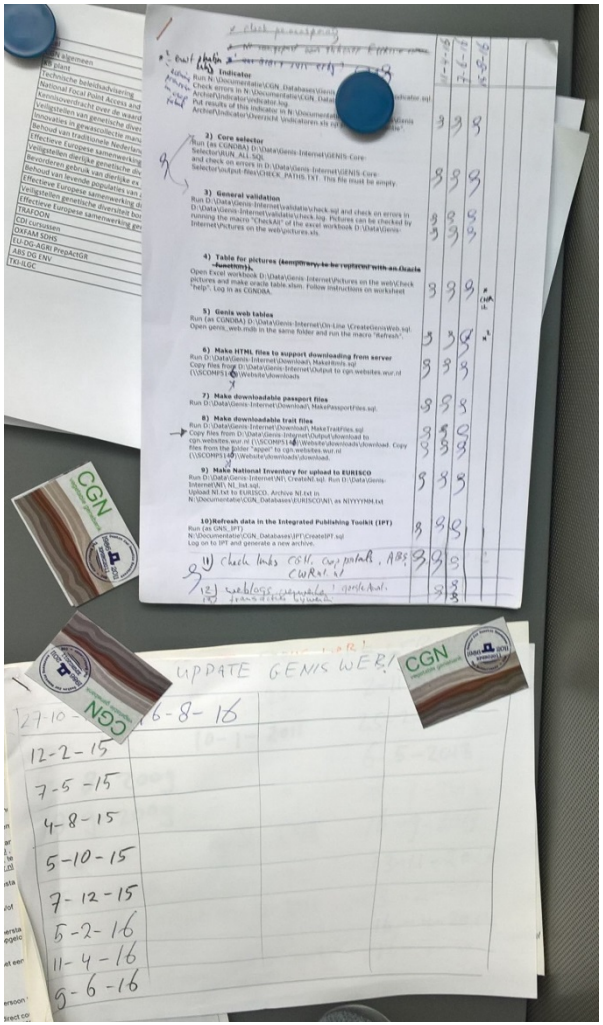
WAGENINGEN UR
For quality of life

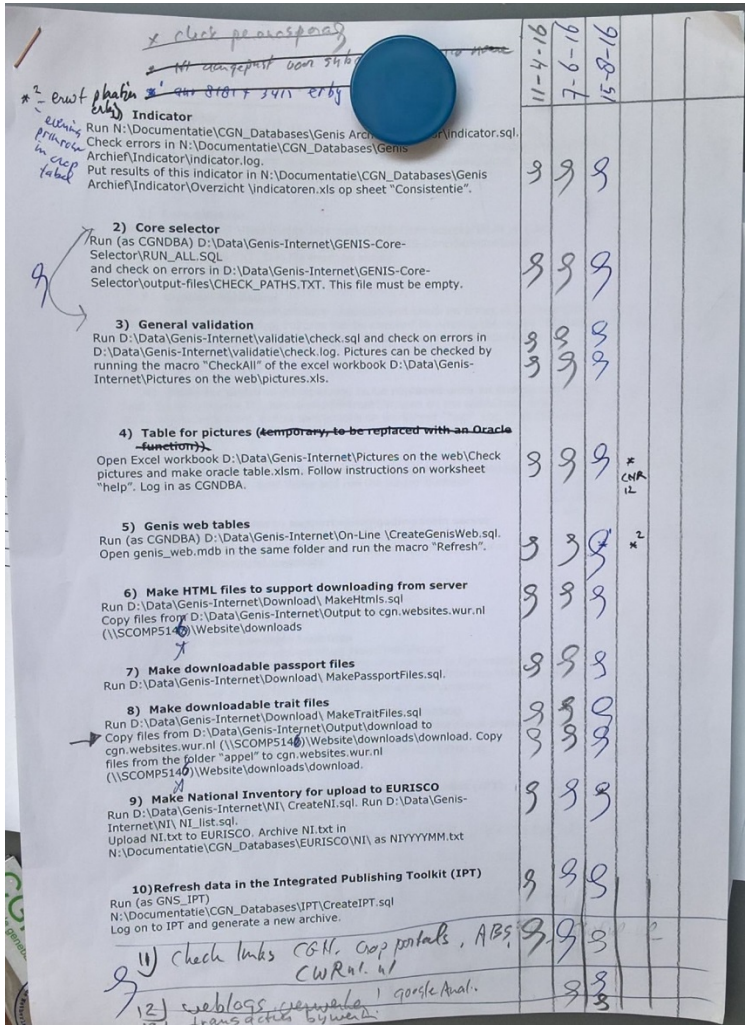
Centre for Genetic Resources, the Netherlands (CGN)

My workplace

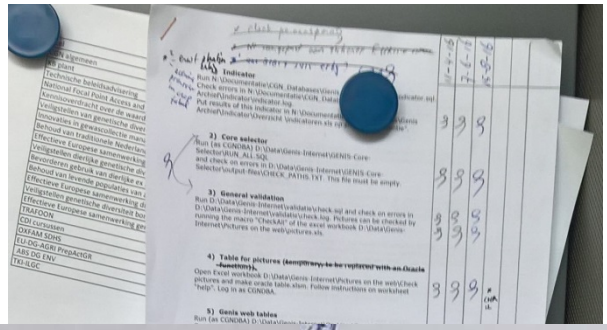


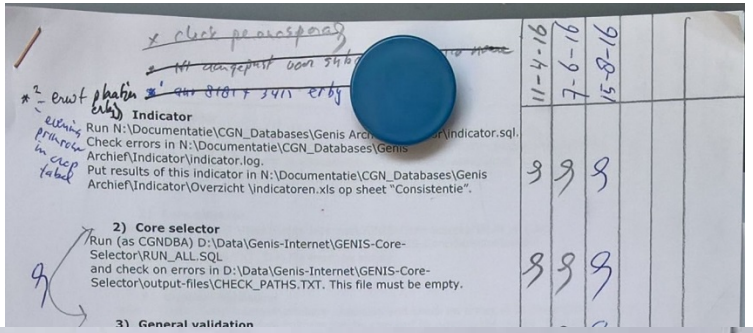
My lists


UPDATE GENIS WEB!
CGN
27-10-
16-8-16
12-2-15
7-5-15
4-8-15
5-10-15
7-12-15
5-2-16
11-4-16
5-6-16


11-4-16
7-6-16
15-8-16
Indicator
Run N:\Documentatie\CGN_Databases\Genis Archief\Indicator\indicator.sql.
Check errors in N:\Documentatie\CGN_Databases\Genis Archief\Indicator\indicator.log.
Put results of this indicator in N:\Documentatie\CGN_Databases\Genis Archief\Indicator\Overzicht \indicatoren.xls op sheet "Consistentie".
2) Core selector
Run (as CGNDBA) D:\Data\Genis-Internet\GENIS-Core-Selector\RUN_ALL.SQL
and check on errors in D:\Data\Genis-Internet\GENIS-Core-Selector\output-files\CHECK_PATHS.TXT. This file must be empty.
3) General validation
Run D:\Data\Genis-Internet\validatie\check.sql and check on errors in D:\Data\Genis-Internet\validatie\check.log. Pictures can be checked by running the macro "CheckAll" of the excel workbook D:\Data\Genis-Internet\Pictures on the web\pictures.xls.
4) Table for pictures (temporary, to be replaced with an Oracle function))
Open Excel workbook D:\Data\Genis-Internet\Pictures on the web\Check pictures and make oracle table.xlsm. Follow instructions on worksheet "help". Log in as CGNDBA.
5) Genis web tables
Run (as CGNDBA) D:\Data\Genis-Internet\On-Line \CreateGenisWeb.sql.
Open genis_web.mdb in the same folder and run the macro "Refresh".
6) Make HTML files to support downloading from server
Run D:\Data\Genis-Internet\Download\ MakeHtmls.sql
Copy files from D:\Data\Genis-Internet\Output to cgn.websites.wur.nl (\\SCOMP5140\)\Website\downloads
7) Make downloadable passport files
Run D:\Data\Genis-Internet\Download\ MakePassportFiles.sql.
8) Make downloadable trait files
Run D:\Data\Genis-Internet\Download\ MakeTraitFiles.sql
Copy files from D:\Data\Genis-Internet\Output\download to cgn.websites.wur.nl (\\SCOMP5140\)\Website\downloads\download. Copy files from the folder "appel" to cgn.websites.wur.nl (\\SCOMP5140\)\Website\downloads\download.
9) Make National Inventory for upload to EURISCO
Run D:\Data\Genis-Internet\NI\ CreateNI.sql. Run D:\Data\Genis-Internet\NI\ NI_list.sql.
Upload NI.txt to EURISCO. Archive NI.txt in N:\Documentatie\CGN_Databases\EURISCO\NI\ as NIYYYYMM.txt
10)Refresh data in the Integrated Publishing Toolkit (IPT)
Run (as GNS_IPT)
N:\Documentatie\CGN_Databases\IPT\CreateIPT.sql
Log on to IPT and generate a new archive.
11) check links CGN, cop portals, ABS, CWR nl
12) weblogs verwerken ! google Anal.

My most important job!!!!

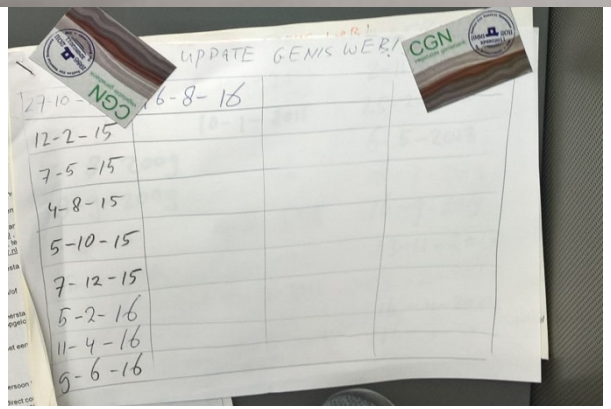


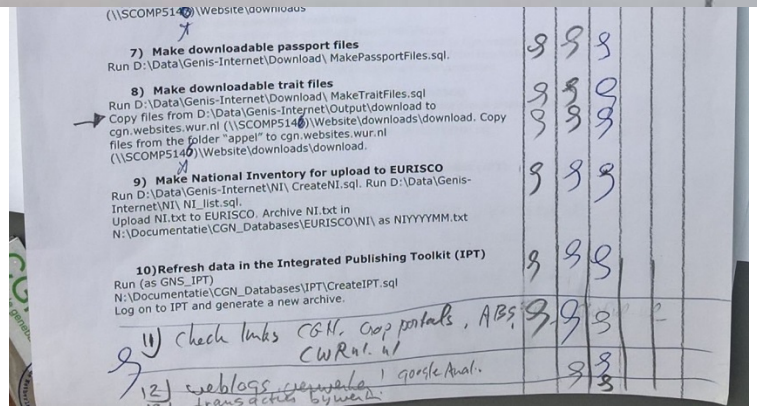


9) Make National Inventory for upload to EURISCO

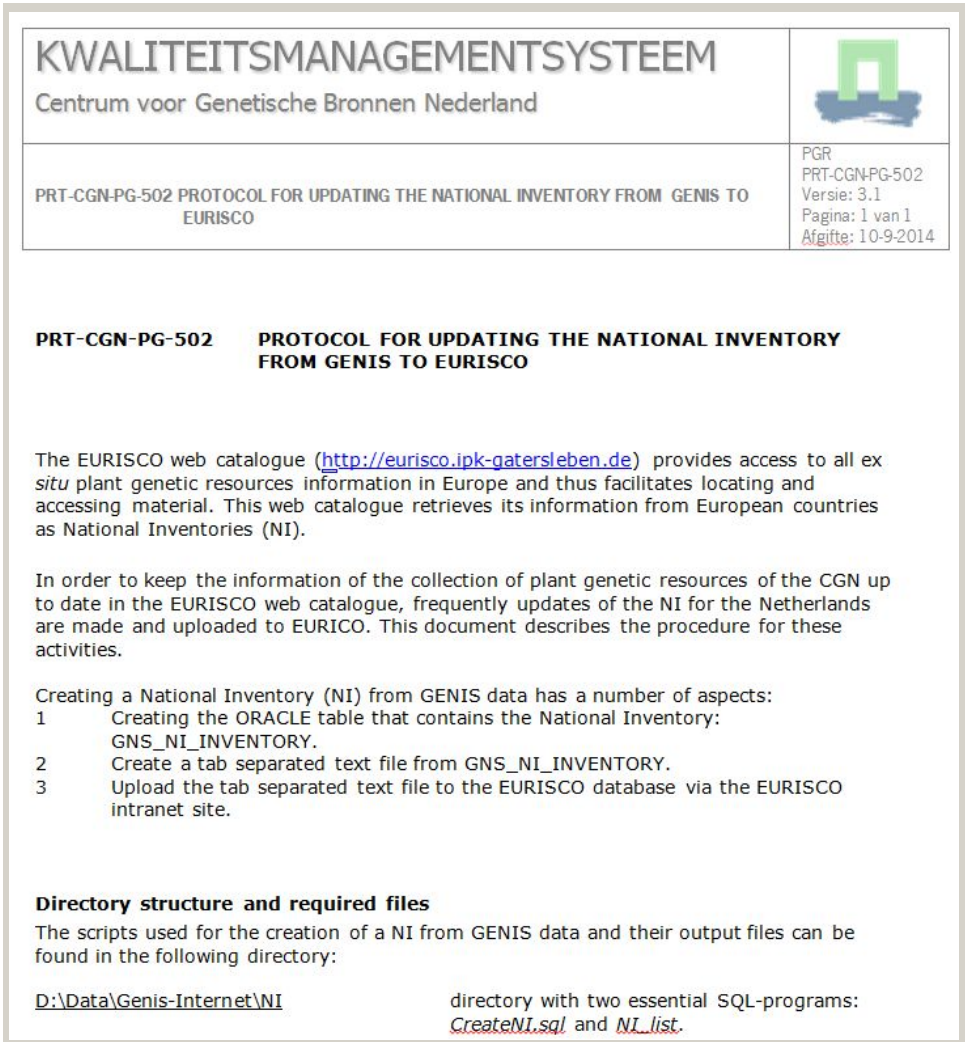
1 Run D:\Data\Genis-Internet\NI\ CreateNI.sql. Run D:\Data\Genis-Internet\NI\ NI_list.sql.

2 Upload NI.txt to EURISCO 3 Archive NI.txt in N:\Documentatie\CGN_Databases\EURISCO\NI\ as NIYYYYMM.txt





Protocol in QMS



KWALITEITSMANAGEMENTSYSTEEM

Centrum voor Genetische Bronnen Nederland

PRT-CGN-PG-502 PROTOCOL FOR UPDATING THE NATIONAL INVENTORY FROM GENIS TO EURISCO

PGR
PRT-CGN-PG-502
Versie: 3.1
Pagina: 1 van 1
Afgifte: 10-9-2014

PRT-CGN-PG-502 PROTOCOL FOR UPDATING THE NATIONAL INVENTORY FROM GENIS TO EURISCO

The EURISCO web catalogue (http://eurisco.ipk-gatersleben.de) provides access to all ex *situ* plant genetic resources information in Europe and thus facilitates locating and accessing material. This web catalogue retrieves its information from European countries as National Inventories (NI).

In order to keep the information of the collection of plant genetic resources of the CGN up to date in the EURISCO web catalogue, frequently updates of the NI for the Netherlands are made and uploaded to EURICO. This document describes the procedure for these activities.

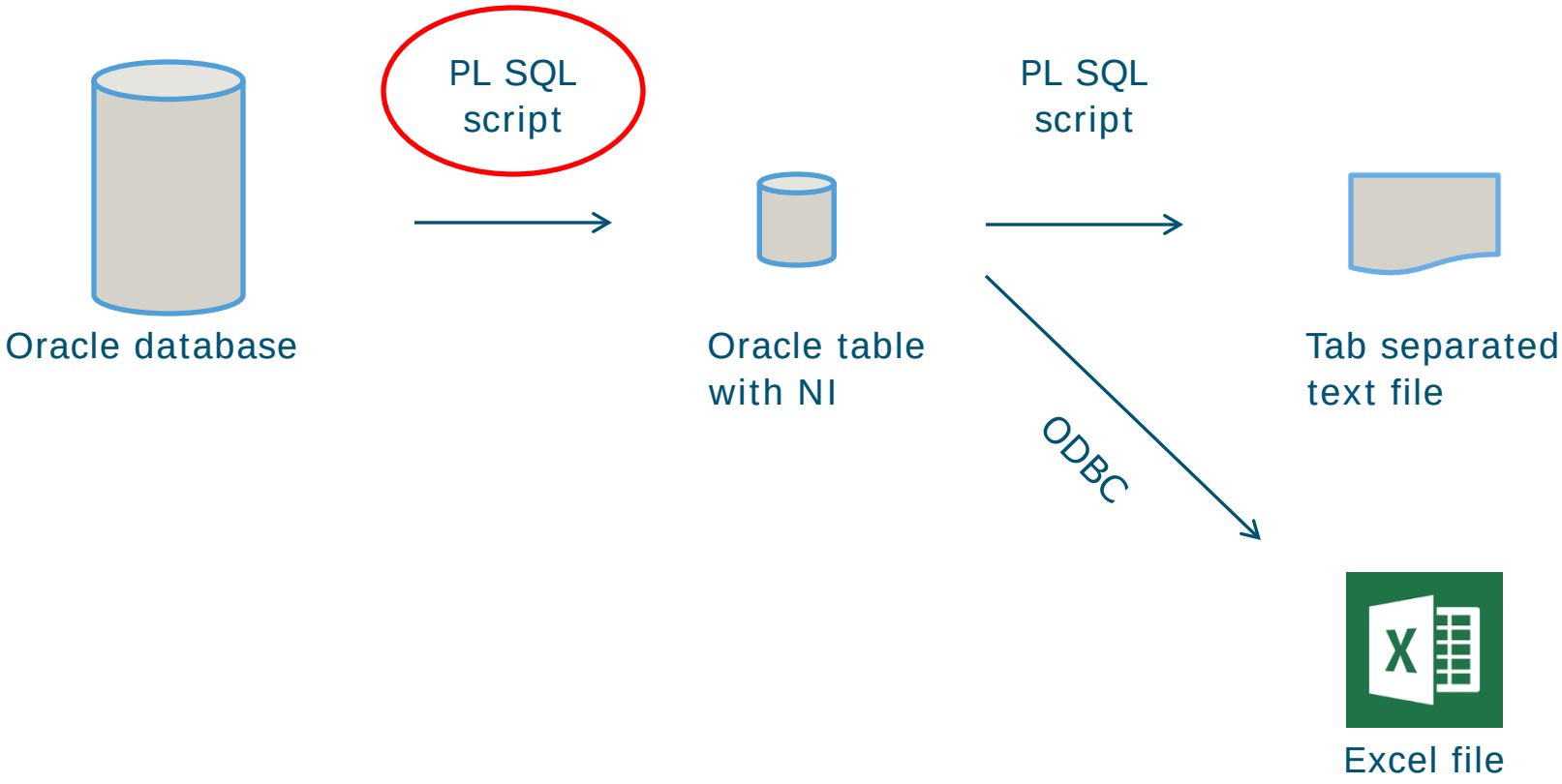
Creating a National Inventory (NI) from GENIS data has a number of aspects:
1 Creating the ORACLE table that contains the National Inventory: GNS_NI_INVENTORY.
2 Create a tab separated text file from GNS_NI_INVENTORY.
3 Upload the tab separated text file to the EURISCO database via the EURISCO intranet site.

Directory structure and required files

The scripts used for the creation of a NI from GENIS data and their output files can be found in the following directory:

D:\Data\Genis-Internet\NI — directory with two essential SQL-programs: *CreateNI.sql* and *NI_list*.

Creating the NI



Creating the NI

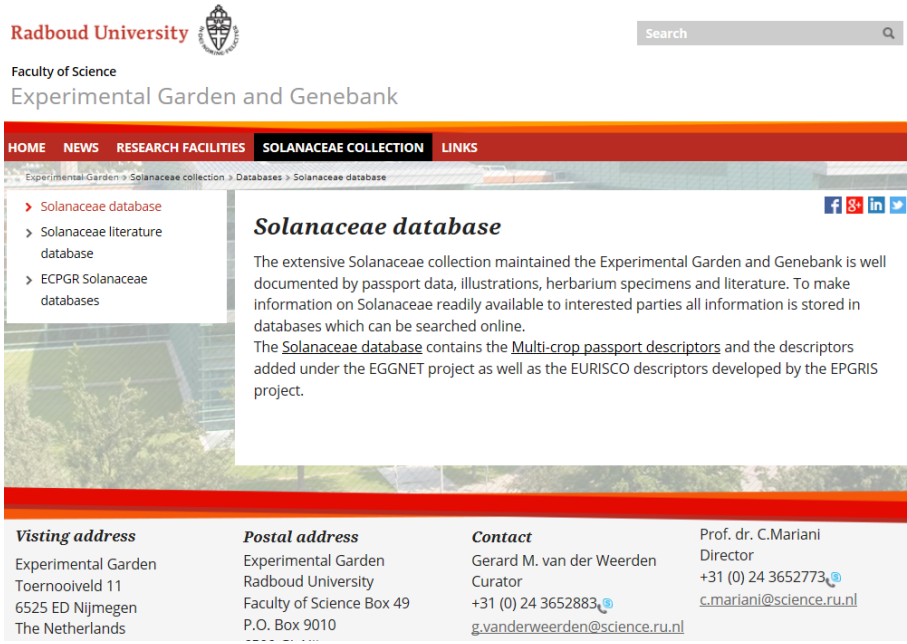
```
create table GNS_NI_INVENTORY
  (
  NICODE      varchar2 (3),
  INSTCODE    varchar2 (7),
  ACCENUMB    varchar2 (10),
  COLLNUMB    varchar2 (30),
  COLLCODE    varchar2 (7),
  GENUS       varchar2 (25),
  SPECIES     varchar2 (80),
  SPAUTHOR    varchar2 (50),
  SUBTAXA     varchar2 (80),
  SUBTAUTHOR varchar2 (50),
  CROPNAME    varchar2 (25),
  ACCENAME    varchar2 (120),
  ACQDATE     varchar2 (8),
  ORIGCTY     varchar2 (3),
  COLLSITE    varchar2 (200),
  LATITUDE    varchar2 (7),
  LONGITUDE   varchar2 (8),
  ELEVATION   varchar2 (4),
  COLLDATE    varchar2 (8),
  BREDCODE    varchar2 (7),
  SAMPSTAT    varchar2 (3),
  ANCEST      varchar2 (80),
  COLLSRC     varchar2 (2),
  DONORCODE   varchar2 (7),
  DONORNUMB   varchar2 (80),
  OTHERNUMB   varchar2 (80),
  DUPLSITE    varchar2 (7),
  STORAGE     varchar2 (5),
  REMARKS     varchar2 (250),
  COLLDESCR   varchar2 (200),
  BREDDESCR   varchar2 (200),
  DONORDESCR varchar2 (200),
  DUPLDESCR   varchar2 (200),
  ACCEURL     varchar2 (200),
  MLSSTAT     varchar2 (1),
  AEGISSTAT   varchar2 (1)
  );
```

→ Recent data from our database management system

```
insert into GNS_NI_INVENTORY select * from GNS_NI_NLD020;
```

Collections in NI

- NI (only) 2 collections
  - CGN
  - *Solanaceae* collection
    - Update once a year
    - Feedback about errors
      - out of sight!
    - Data corrections in NI
      - only remove complete fields



NI stats

- First formal upload NI: 2003
  - after launching of Eurisco after EPGRIS Final Conference

EPGRIS Final Conference

Prague, Czech Republic
11 - 13 September 2003

Current NI

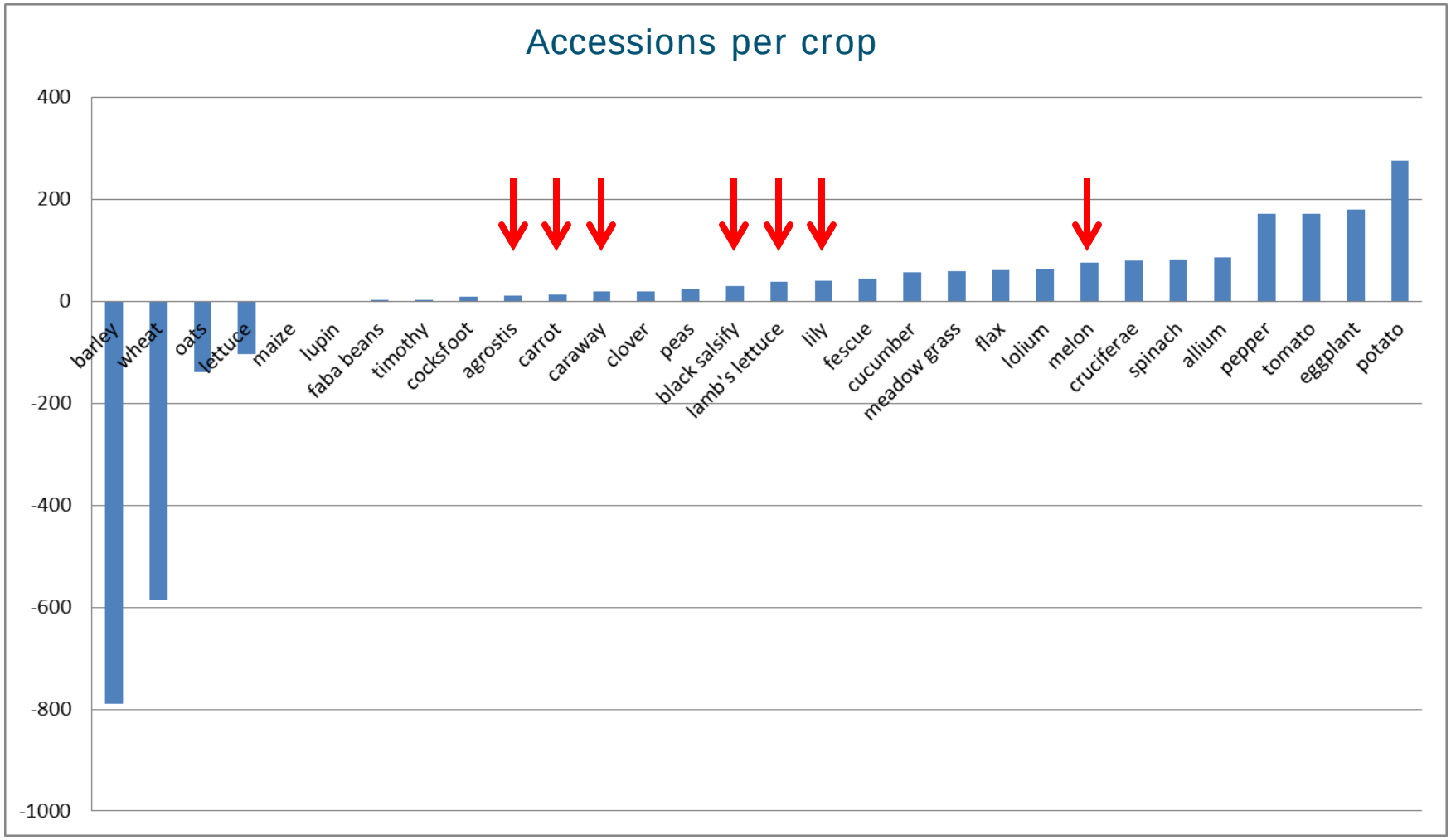
- 25854 accessions

	Accessions	Genera	Species	Cropname
CGN (2003)	22813	43	317	30
Radboud University (2010)	3041	52	588	-

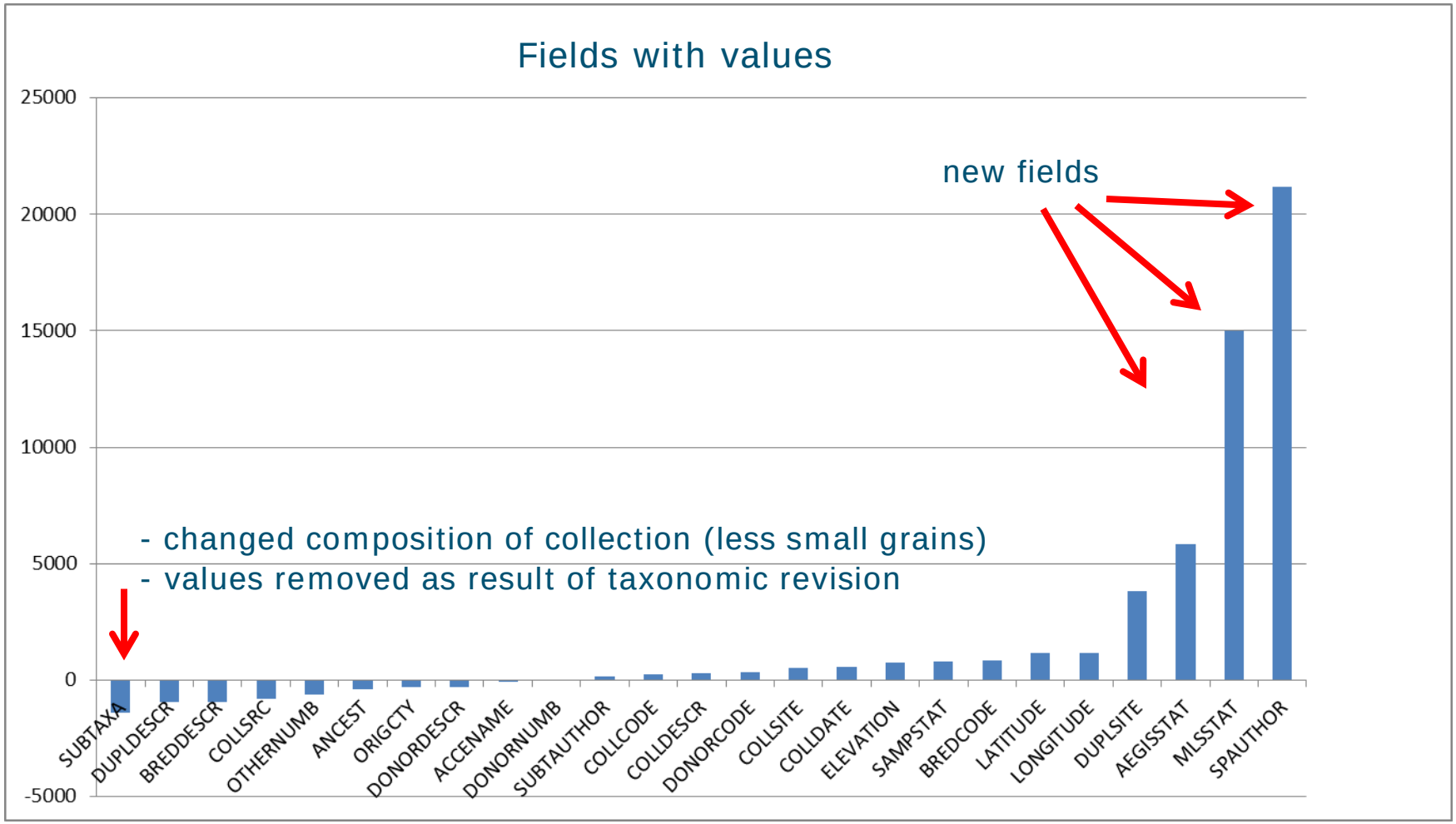
NI 2003 vs NI 2016

- Number of CGN accessions
  - 2003: 22761
  - 2016: 22813

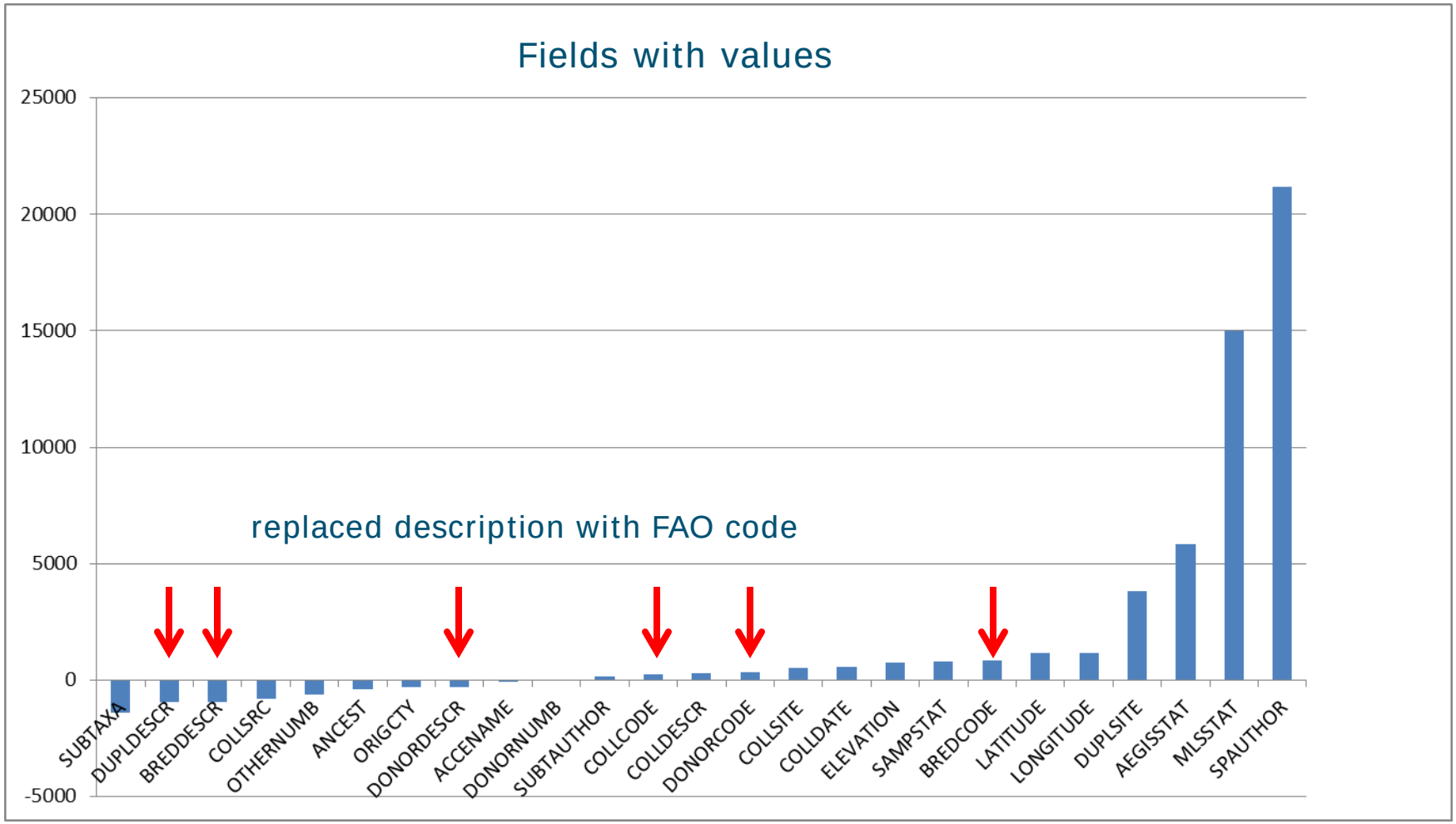
NI 2003 vs NI 2016



NI 2003 vs NI 2016



NI 2003 vs NI 2016



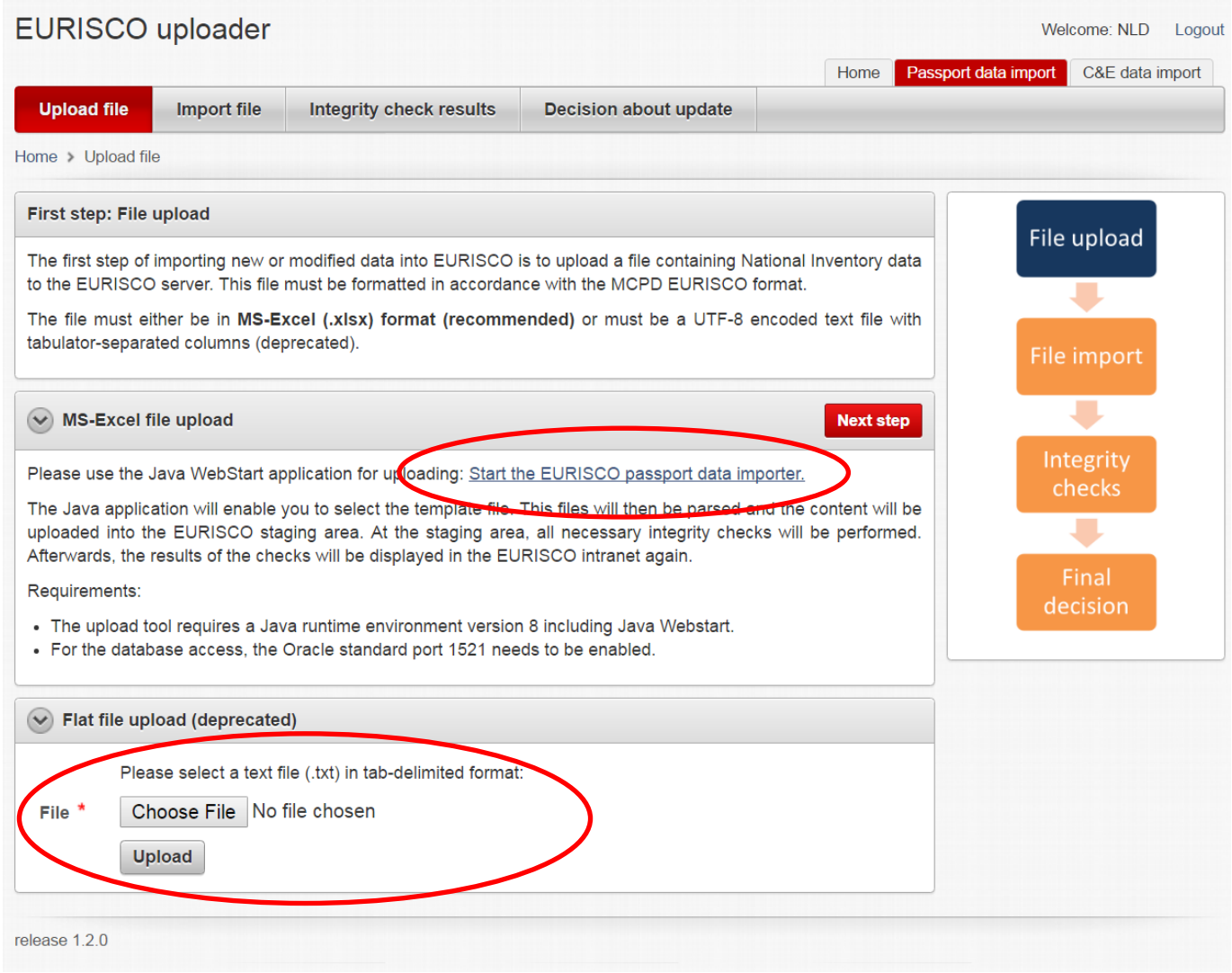
NI

- Regular upload is important because NI's change

EPGRIS 2003

EPGRIS 2003

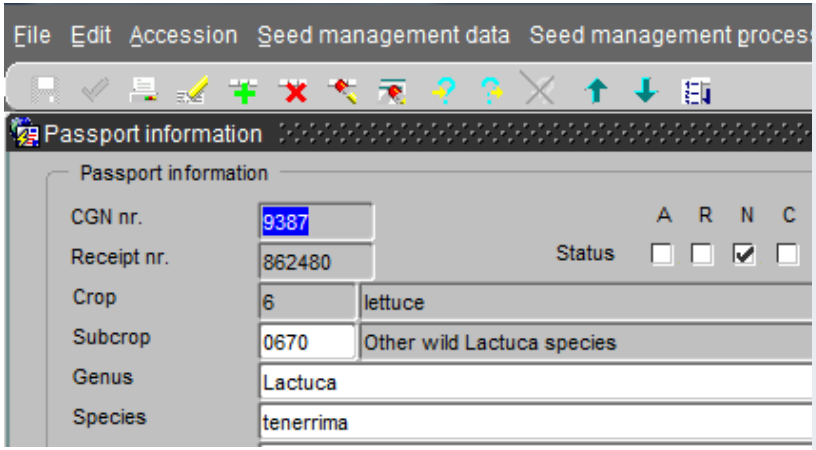
Upload to Eurisco



Upload to Eurisco

Stephan sees everything!

- Every two months
  - Never experienced any problems
  - Eurisco's feedback is appreciated!



From: Stephan Weise <weise@ipk-gatersleben.de>
To: Menting, Frank
Cc:
Subject: EURISCO update
Signed By: weise@ipk-gatersleben.de

Hi Frank,

Thank you for uploading a new dataset to EURISCO. I just performed the data integrity checks - no errors.

A Lactuca accession with the number CGN09387 is currently listed in EURISO, but not in the new dataset. Shall it be removed from EURISCO?

Cheers,
Stephan

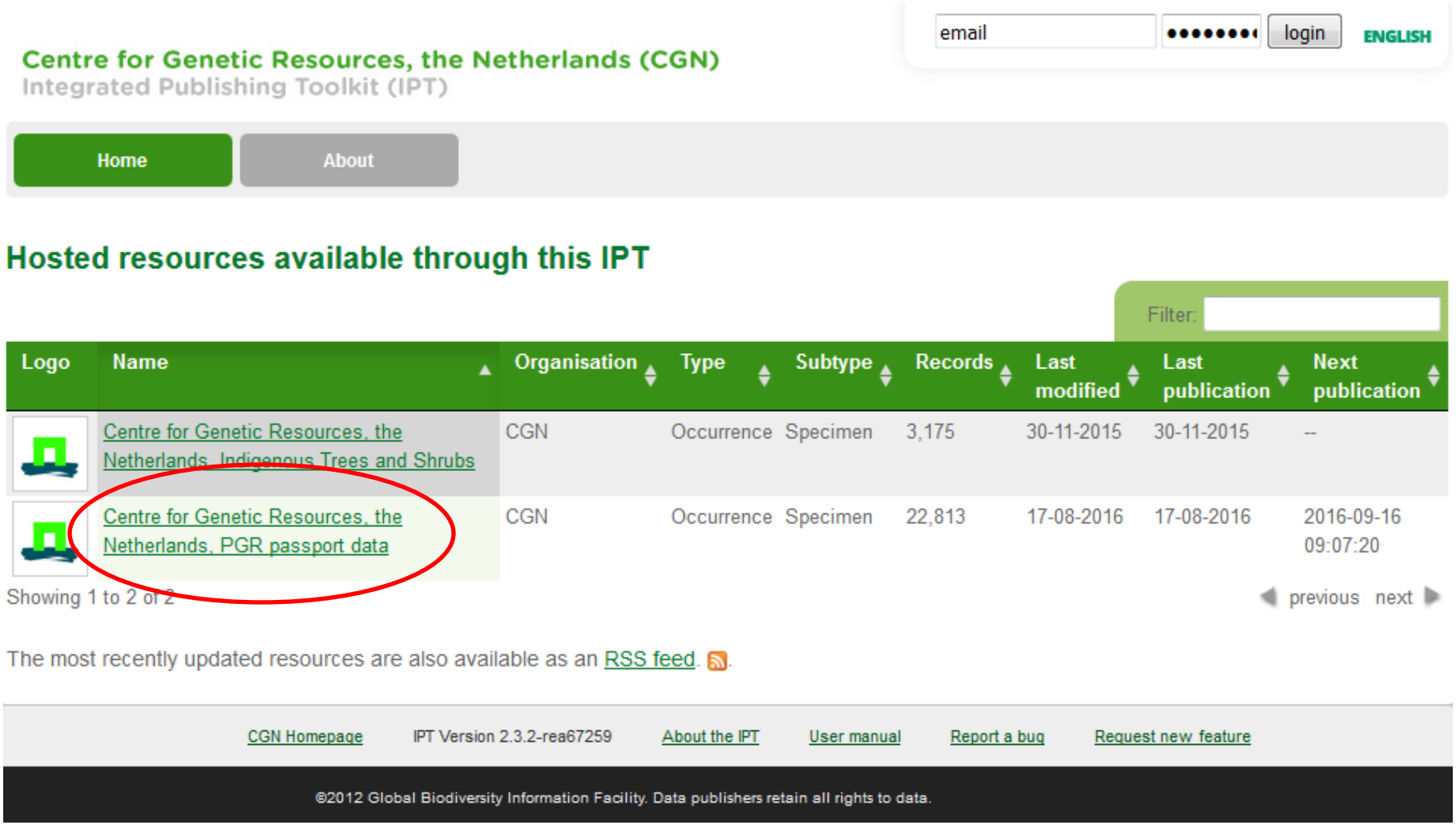
Other NFP jobs!

- Provide passport test data for Eurisco (2002)
  - Combined all CCDB's data
- Provide test data for phenotypic data search (2016)
- Give feedback on the Eurisco search interface
  - Passport
  - Phenotypic data

Data available via IPT

- Integrated Publishing Toolkit
  - Product of Global Biodiversity Information Facility (GBIF)
  - Data in Darwin Core format
  - Installed with support of Dutch node of GBIF
- Data can be harvested by GBIF and other sources
  - Machines talking to each other

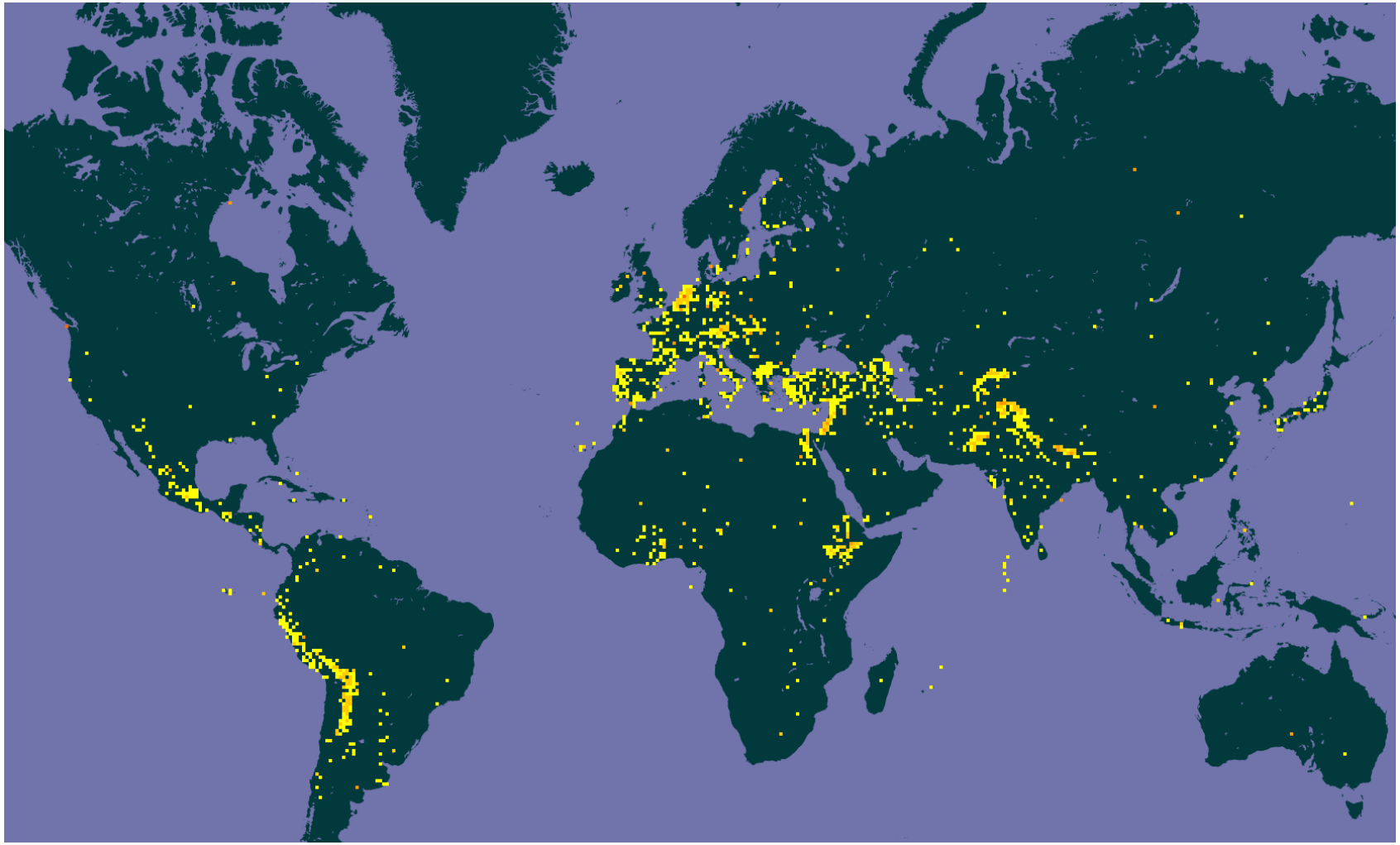
Data available via IPT



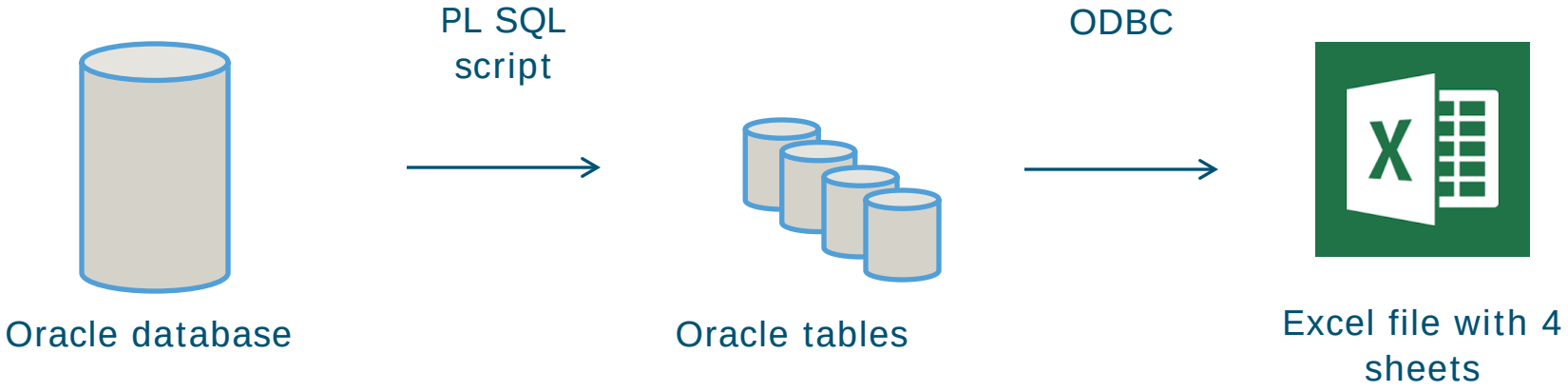
Occurrence

catalogNumber	ACCENUMB	
Source Sample: *CGN24020 | CGN24021 | CGN24224 | CGN24225 | CGN20778*		
Translation: Add		
occurrenceRemarks	REMARKS	
Source Sample: | | | |		
Translation: Add		
recordNumber	COLLNUMB	
Source Sample: | | | |		
Translation: Add		
recordedBy		
individualCount		
organismQuantity		
organismQuantityType		
sex		
lifeStage		Seed
reproductiveCondition		
behavior		
establishmentMeans		
occurrenceStatus		
preparations		
disposition		
otherCatalogNumbers	OTHERNUMB	
Source Sample: *NLD083:881331 | NLD083:39139 | NLD083:78676 | NLD083:79942;:JP 32628 |*		
Translation: Add		
associatedMedia	ACCEURL	
Source Sample: *http://cgngenis.wur.nl/AccessionDetails.aspx?acnumber=CGN24020 | http://cgngenis.wur.nl /AccessionDetails.aspx?acnumber=CGN24021 | http://cgngenis.wur.nl/AccessionDetails.aspx?acnumber=CGN24224 | http://cgngenis.wur.nl/AccessionDetails.aspx?acnumber=CGN24225 | http://cgngenis.wur.nl /AccessionDetails.aspx?acnumber=CGN20778*		
Translation: Add		

GBIF website



Phenotypic data



- Currently 427282 phenotypic data points uploaded

Who says NI?

Thanks for your attention

WAGENINGEN UR
For quality of life

Centre for Genetic Resources, the Netherlands (CGN)