Catalogue of Life
DwCA Download Service

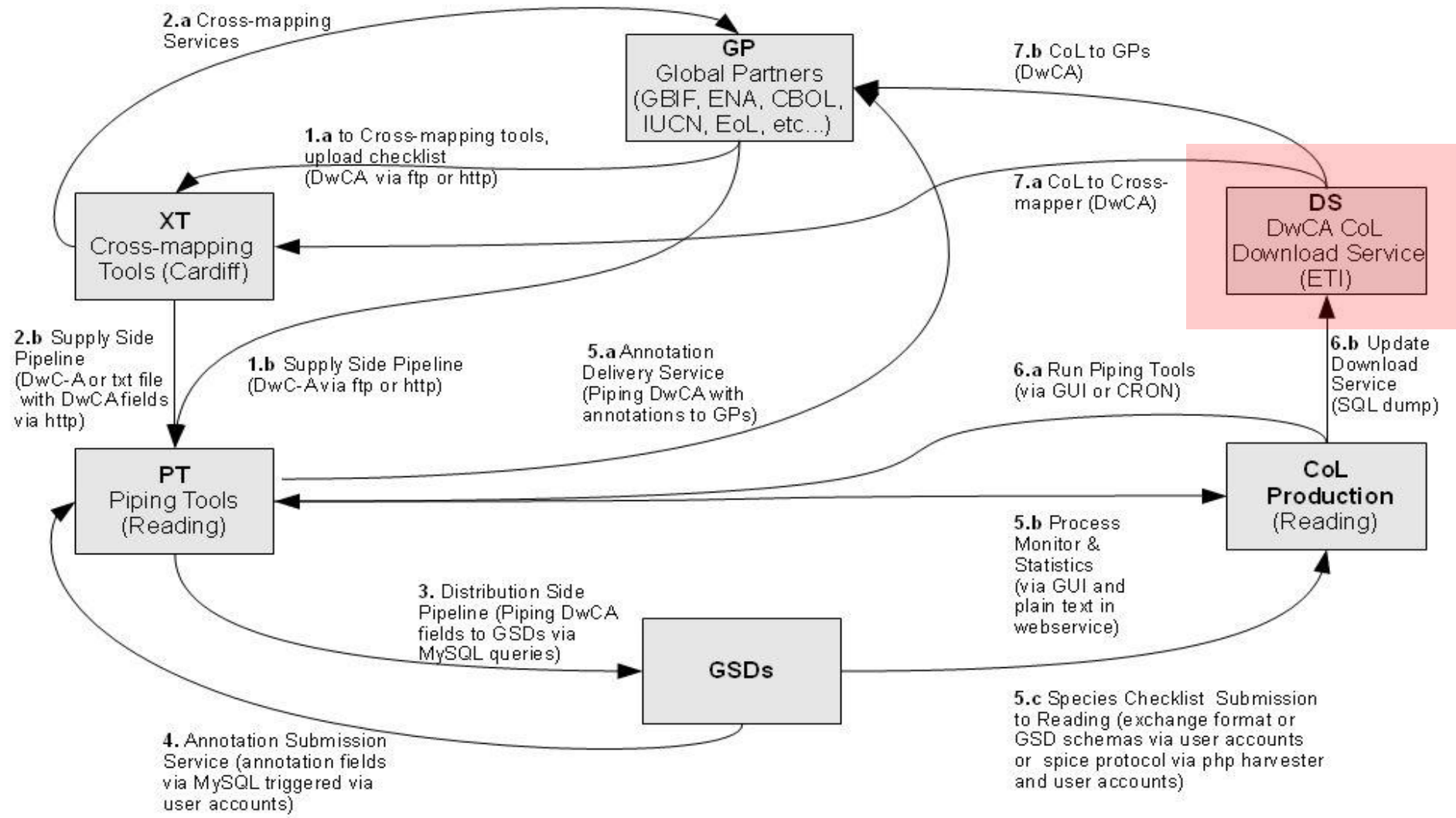## Demonstration

By Wouter Addink, wouter.addink@naturalis.nl

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Why it was created

One of the tasks in the project was to establish a workflow that delivers refreshed instances of Catalogue of Life taxonomy within the very heterogeneous working platforms and portals of the global programme partners (GBIF, EBI, ECBOL, IUCN and LifeWatch), using a CoL download service as its base.

http://www.catalogueoflife.org/DCA_Export
(requires login)

Download service in the i4Life Workflow

2.a Cross-mapping Services

GP
Global Partners
(GBIF, ENA, CBOL, IUCN, EoL, etc...)

7.b CoL to GPs (DwCA)

1.a to Cross-mapping tools, upload checklist (DwCA via ftp or http)

7.a CoL to Cross-mapper (DwCA)

DS
DwCA CoL Download Service (ETI)

XT
Cross-mapping Tools (Cardiff)

2.b Supply Side Pipeline (DwC-A or txt file with DwCA fields via http)

1.b Supply Side Pipeline (DwC-A via ftp or http)

5.a Annotation Delivery Service (Piping DwCA with annotations to GPs)

6.a Run Piping Tools (via GUI or CRON)

6.b Update Download Service (SQL dump)

PT
Piping Tools (Reading)

CoL
Production (Reading)

5.b Process Monitor & Statistics (via GUI and plain text in webservice)

3. Distribution Side Pipeline (Piping DwCA fields to GSDs via MySQL queries)

GSDs

4. Annotation Submission Service (annotation fields via MySQL triggered via user accounts)

5.c Species Checklist Submission to Reading (exchange format or GSD schemas via user accounts or spice protocol via php harvester and user accounts)

DwCA Download Service Features

V1.0 release datum: 1 Jun 2011
V1.1 release datum: 5 Dec 2011
V1.2 release datum: 31 Jan 2012
V1.3 release datum: 12 Oct 2012
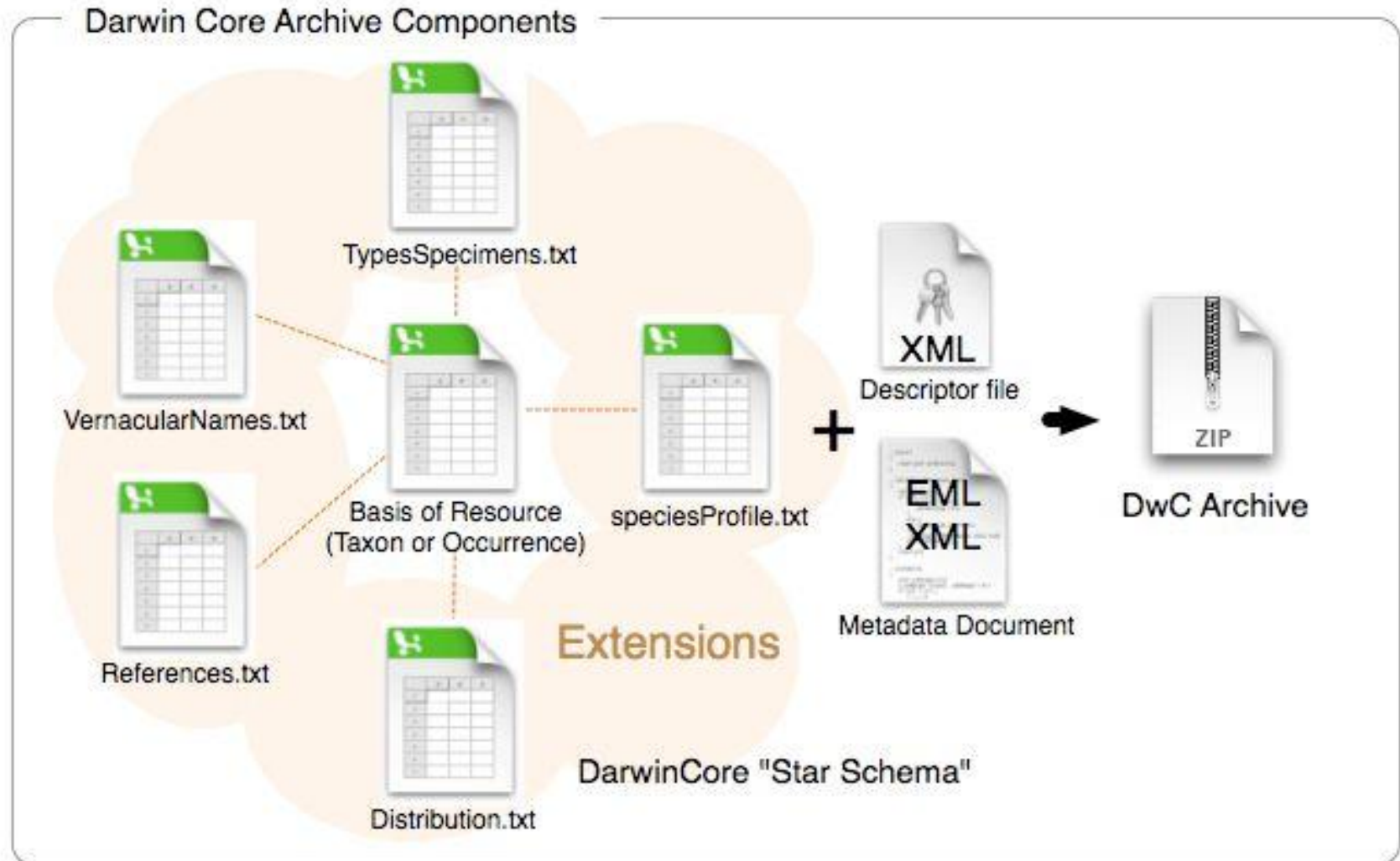
Latest: v1.3 r202 (July 2013)

- Download the complete, latest CoL taxonomy
- Download an earlier CoL taxonomy
- Download a taxonomic group from the CoL
- Download a set with the 'core fields'
- Download only higher classification
- Use the GUI to download
- Use the Webservices to download
- Use the import scripts to import the DwCA data in a SQL database

Import example: `import_windows -u user -d database`

Darwin Core Archive (DwCA) Format

i4Life

i4Life WP4 Download Service of the Catalogue of Life: Darwin Core Archive Export

Version 1.3 [r202]

This page offers an interface on the application that exports data from the Species 2000 & ITIS Catalogue of Life: 2013 Annual Checklist (2013-04-18) in the Darwin Core Archive format. Data can also be exported using a webservice. The resulting archives can be imported into custom MySQL, PostgreSQL, SQLite and MS SQL Server databases using import scripts included in each archive. These scripts can also be downloaded separately.

The export can be narrowed down to a specific taxon by selecting it from the menus. E.g. if you want to limit your export to a specific order, you can select that order from the menu by typing its name or by clicking the Show all button. By default, the complete data is exported but you can further limit the export by selecting a different option. Hover over the buttons to see exactly what is exported for each option.

Download a Darwin Core Archive for the complete Catalogue of Life (125.7 MB) or download a previous edition.

Top level group [   ] [▼]
Phylum [   ] [▼]
Class [   ] [▼]
Order [   ] [▼]
Superfamily [   ] [▼]
Family [   ] [▼]
Genus [   ] [▼]

[Classification only | Limited data | Complete data]

[Clear] [Download]

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