

## WP8 - Work package description

Work package number	WP8
Type of activity	RTD
Work package title	Barcode Pipeline, Cross-map and GSD-Piping
Start month	1
End month	36
Lead beneficiary number	6

### Objectives:

To prototype, make available for test, and implement certain components for ongoing usage in collaboration with WP 2. In WP2 these components will be designed in collaboration and integration with the rest of the project, scoped, tested and accepted for service. They are:

1) a pipeline for pulling the Catalogue of Life synonymic species checklist and its taxonomic hierarchy into the BOLD and/or ECBOL informatics platform at an agreed frequency, and with structure and functionality as close as is practicable to the ECBOL organisation's own requirements.

2) a protocol and service for supplying a particular instance of the BOLD and/or ECBOL taxonomy to the CoL cross-mapping tool, running a cross-map in comparison with a particular instance of the CoL, and drawing the cross-map created back into the BOLD and/or ECBOL informatics platform for utilisation by a new functions within these platforms.

3) a service to transmit batches of name-, taxon-, BINS and FESIN records that are presently available to BOLD/ECBOL but not in the Catalogue of Life, to the Catalogue of Life reception buffer, for subsequent processing. The input to the CoL reception buffer will harmonise with the input requirements for the CoL GSD-piping tool being created in WP12, using protocols agreed and tested in WP2. Those 'successfully' processed by the Sp2000 GSD Taxonomic Expert Array will appear within later instances of the Catalogue of Life.

## Description of work and role of partners:

All tasks in this work package undertaken by Partners 6 and 5 in collaboration with WP2.

# n.b. Exact division of work between partners 6 and 5 depends on decisions to be taken by ECBOL after the date of submission (December 2009, & June 2010).

### Task 8.1

Agree a specification for the CoL to BOLD/ECBOL pipeline.

### Task 8.2

Create a pipeline for pulling the CoL synonymic species checklist and taxonomic hierarchy into the BOLD/ECBOL informatics platform; make it available to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of the BOLD/ECBOL informatics platform:

- using agreed refreshment cycles,
- using specified CoL services,
- meeting CoL standard credit requirements,
- meeting ECBOL functional requirements as far as practicable.

### Task 8.3

Create a service to feed instances of the BOLD/ECBOL Taxonomy to the CoL Cross-mapping tool for cross-mapping against instances of the CoL Taxonomy. Create a function to collect the EBOLD-CoL Cross-map as a data instance from the CoL Cross-mapper. Make it available to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of BOLD/ECBOL platform.

### Task 8.4

Create a service to transmit name- taxon-, BINS and FESIN record batches from BOLD to the CoL reception buffer. This is for use by the GSD-Piping Tool created by WP12. Make it available to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of the BOLD/ECBOL informatics platform:

- using protocols and procedures agreed in WP12.

### Task 8.5

Create an integrated interface for showing the CoL taxonomy alongside Barcode Taxonomy in the BOLD/ECBOL system.

### Person-Months per Participant:

Participant number	Participant short name	Person-months per participant
5	KNAW	5.00
6	MIZ-PAS	10.00
	Total	15.00

### List of deliverables:

Deliverable Number	Deliverable Title	Lead Beneficiary number	Estimated indicative person-months	Nature	Dissemination level	Delivery date
D8.1	CoL integrated Interface of BOLD/ECBOL	6	15.00	D	PU	30
		Total	15.00			

### Description of deliverables:

D8.1)

CoL integrated Interface of BOLD/ECBOL: Taxonomy visible and integrated in the Interface of BOLD/ECBOL.

[month 30]

### Schedule of relevant Milestones:

Milestone number	Milestone name	Lead Beneficiary number	Delivery date from Annex I	Comments
MS8	Specification agreed and available for CoL to BOLD/ECBOL pipeline	6	9	
MS12	CoL Taxonomy installed in BOLD/ECBOL platform	6	12	
MS24	Service for supply of BOLD/ECBOL Taxonomy operative	6	18	
MS29	Initial implementations linking CoL services reported to WP2	6	20	
MS40	Service for supply of name-, taxon-, BINS and FESIN record batches operative	6	24	