

## WP6 - Work package description

Work package number	WP6
Type of activity	RTD
Work package title	GBIF Pipeline, GNA and GSD-Piping
Start month	1
End month	36
Lead beneficiary number	2

### Objectives:

To prototype, make available for test, and implement components from GBIF for ongoing usage in collaboration with WP 2. These components will be designed in collaboration with WP2, where there will be integration with the rest of the project, scoping, testing and acceptance for service. The GBIF components are:

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

2) a service to transmit batches of name- or taxon-records that are presently available to GBIF but not in the Catalogue of Life to the Catalogue of Life reception buffer, for subsequent processing. The output into 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.

3) either as part of the same workflow as i), or as part of a different workflow, a pipeline to pull Catalogue of Life name data into the communally organised Global Names Architecture (GNA) Name-Index being organised by GBIF with other organisations, and to establish the back-pointing links into the Catalogue of Life.

## Description of work and role of partners:

All tasks in this work package undertaken by Partner 2 in collaboration with WP2.

Task 6.1 Develop a process for pulling the CoL synonymic species checklist and taxonomic hierarchy into the GBIF informatics platform; and serving it through the GBIF portal with the CoL Taxon LSID unique identifiers. Make it visible to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of the GBIF informatics platform:

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

### Task 6.2

Create a service to discover and transmit name- and taxon-record batches held by GBIF to the CoL reception buffer. This is for use by the GSD-Piping Tool created by WP12. Make it visible to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of the GBIF informatics platform:

- using protocols and procedures agreed in WP12

### Task 6.3

Create a pipeline, which may share some features with that in task 6.1, to pull CoL name-data into the communally organised GNA Name-Index Portal on an experimental basis; and to establish the back-pointing links into the CoL from each name. Make it available to WP2 for test; respond to improvement requests; and establish it in the ongoing service software of the GNA:

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

## Person-Months per Participant:

Participant number	Participant short name	Person-months per participant
2	GBIFS	13.00
	Total	13.00

### List of deliverables:

Deliverable Number	Deliverable Title	Lead Beneficiary number	Estimated indicative person-months	Nature	Dissemination level	Delivery date
D6.1	Integrated access to CoL in GBIF	2	13.00	D	PU	30
		Total	13.00			

### Description of deliverables:

D6.1)

Integrated access to CoL in GBIF: Integrated access to CoL taxonomy and names in GBIF systems.

[month 30]

### Schedule of relevant Milestones:

Milestone number	Milestone name	Lead Beneficiary number	Delivery date from Annex I	Comments
MS11	Current CoL displayed through the GBIF portal	2	12	
MS22	Service to transmit name batches to CoL reception buffer	2	18	
MS27	Initial implementations linking CoL services reported to WP2	2	20	