



# Milestone 04

**Project Acronym:** OpenUp!  
**Grant Agreement No:** 270890  
**Project Title:** Opening up the Natural History Heritage for Europeana

---

## MS04 Sample data service mock-up validation and enrichment layer

**Revision:** 1

---

**Authors:**

**Wolfgang Koller (NHMW)**  
**Heimo Rainer (NHMW)**

Project co-funded by the European Commission within the ICT Policy Support Programme	
Dissemination Level	
P	Public
C	Confidential, only for members of the consortium and the Commission Services



## **REVISION HISTORY AND STATEMENT OF ORIGINALITY**

### **Revision History**

<b>Revision</b>	<b>Date</b>	<b>Author</b>	<b>Organisation</b>	<b>Description</b>
0.1	22/06	Koller	NHMW	Initial draft
0.2	27/06	Koller/Rainer	NHMW	Update for geography, period and references
1	28/06	Koller	NHMW	Revision & distribution update

### **Statement of Originality:**

This deliverable contains original unpublished work except where clearly indicated otherwise. Acknowledgement of previously published material and of the work of others has been made through appropriate citation, quotation or both.

### **Distribution**

<b>Recipient</b>	<b>Date</b>	<b>Version</b>	<b>Accepted YES/NO</b>
Work Package Leader	27/06/2011	0.2	YES
Project Coordinator	28/06/2011	1.0	YES



## Table of Contents

REVISION HISTORY AND STATEMENT OF ORIGINALITY .....	2
Common Names Service.....	4
Introduction.....	4
Service Metadata.....	4
Single Query Mode .....	4
Multi Query Mode .....	5
Mock-up Location.....	6



## Common Names Service

### *Introduction*

The commons names service will follow the Google Refine Reconciliation Service API specifications (details can be found here<sup>1</sup>).

### *Service Metadata*

A call to the service without any query will return the service metadata.

### **Response**

```
{  
  "name": "OpenUp! Common Names Service",  
  "identifierSpace": "http://open-up.eu/commonNames/",  
  "schemaSpace": "http://open-up.eu/commonNames/"  
}
```

### *Single Query Mode*

The query object should be passed as JSON formatted object using the "query" parameter.

Query the service using a single taxon name.

### **Parameters**

*query*: Taxon Name to query for

*limit*: Limit number of results

*type*: should always be "/name/common"

### **Example**

```
{  
  "query": "Berberis vulgaris",  
  "limit": 3,  
  "type": "/name/common"  
}
```

---

<sup>1</sup> <http://code.google.com/p/google-refine/wiki/ReconciliationServiceApi>



## **Response**

*id*: identifier for common name

*name*: the actual common name

*type*: will always be ["/name/common"]

*score*: accuracy of found taxon

*match*: true if this is an exact match

*language*: ISO 639-6 code for language of the common name

*geography*: Geographical region which this common name is used in

*period*: Time-Period in which the common name was/is used

*taxon*: name of taxon the common name applies too (required due to fuzzy matching)

*taxon\_id*: id of taxon provided by reference webservice(s)

*reference*: uri of reference (source) for this common name

## **Example**

```
{
  "id": "uri:still:to:be:defined",
  "name": "Boasslbee",
  "type": ["/name/common"],
  "score": 100.0,
  "match": true,
  "language": "bar",
  "geography": "aut",
  "period": "1934-1950",
  "taxon": "Berberis vulgaris",
  "taxon_id": "uri:taxon:id:provided:by:reference:services"
  "reference": "uri:of:reference:"
}
```

## **Multi Query Mode**

Multi-Query is just a JSON object containing several query-objects as defined above. The response will contain answers to each query as a separate response object.



### ***Mock-up Location***

A sample mock-up can be found at <http://bhl.nhm-wien.ac.at/openup/>

### **Available names are**

- Bellis perennis
- Caltha
- Taraxacum

### **Sample query**

[?queries={%22q0%22:{%22query%22:%22Taraxacum%22},{%22q1%22:{%22query%22:%22Caltha%22}}](#)