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C5.147 Implementation of mechanism to nominate literature items for digitisation

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Dissemination Level		
PU	Public	X
PP	Restricted to other programme participants (including the Commission Services)	
RE	Restricted to a group specified by the consortium (including the Commission Services)	
CO	Confidential, only for members of the consortium (including the Commission Services)	

C5.147 Implementation of mechanism to nominate literature items for digitisation

The *Global References Index to Biodiversity (GRIB)* prototype by the Head office of the Common Library Network (VZG) has been enhanced by a *Digitisation Management Tool*. The URL of the GRIB has changed to <http://gso.gbv.de/DB=1.83/>¹ to providing full functionality of this tool.

It serves two groups of users: scientists and librarians. Scientists in the need for online access to digitised literature can search the GRIB and nominate titles to be digitised, that are not available online yet. Librarians on the other hand can use the tool to indicate the digitisation status of a title, within their libraries digitisation workflow.

The tool consists of a customized JSON-API to modify the digitisation status of a record via web service and a JavaScript-based English language widget that can be embedded in the GRIB user interface (See Fig. 1) and other web applications like CDM based EDIT platform components or the BHL-Europe portal².

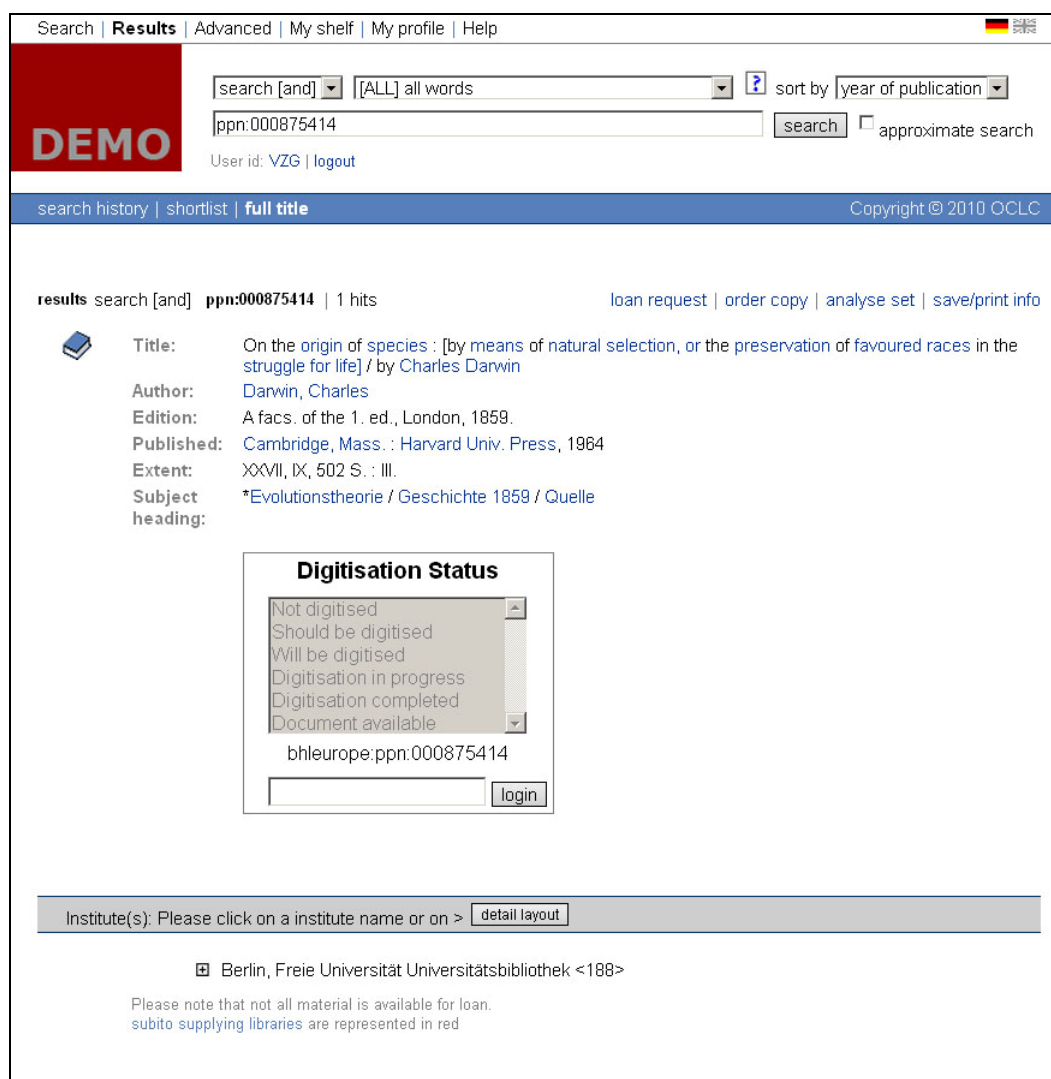


Fig. 1 Widget embedded in the GRIB user interface

¹ Optimised for Firefox

² Prototype accessible at: <http://prototype.bhl-europe.eu/>

Depending on the group of user you belong to, the tool will give you different options to choose from. Scientists (using the password “PUBLIC”³) can nominate literature to be scanned by changing the digitisation status to “Should be Digitised”, whereas librarians (using the password “EDIT”) can choose to set the status to “Should be digitised”, “Will be digitised”, “Digitisation in progress”, “Digitisation completed” and “Document available” (See Table 1).

Digitisation Status	Status No.	Status Id
Not digitised	1	8300
Should be digitised	2	8301
Will be digitised	3	8302
Digitisation in progress	4	8303
Digitisation completed	5	8304
Document available	6	8305

Table 1 Values for the Digitisation Status

Those functionalities can also be addressed via the JSON-API which is a simple REST-API, i.e. all parameters are provided as URL parameters added to a base URL.

- 1) Checking on the digitisation status.
Request: `http://bhleurope.gbv.de/api?id=bhleurope:ppn:000766127`
Response: `{"options":[],"status":"8300","modifiedby":"EDIT","id":"bhleurope:ppn:000766127"}`
- 2) Changing the digitisation status.
 - a) Login in as group librarian:
Request: `http://bhleurope.gbv.de/api?id=bhleurope:ppn:000766127&login=1&user=EDIT`
Response: `{"options":["8300","8301","8302","8303","8304","8305"],"user":"EDIT","id":"bhleurope:ppn:000766127"}`
 - b) Changing the status:
Request: `http://bhleurope.gbv.de/api?id=bhleurope:ppn:000766127&status=8301`
Response: `{"options":["8300","8301","8302","8303","8304","8305"],"status":8301,"modifiedby":"EDIT","user":"EDIT","id":"bhleurope:ppn:000766127"}`
 - c) Logging out and looking at the new status:
Request: `http://bhleurope.gbv.de/api?id=bhleurope:ppn:000766127&logout=1`
Response: `{"options":[],"status":"8301","modifiedby":"EDIT","id":"bhleurope:ppn:000766127"}`

The URL parameters are:

- Id: A unique record identifier. For now only the PPN⁴ id as been assigned on ingest with the prefix “bhleurope”⁵.
- Status: The new digitisation status must be a value from a predefined list (See Table 1 “Status Id”).⁶
- Callback: A JavaScript callback method name.

The response format is a simple JSON object with the following fields:

- Id: The unique record identifier.
- Status: The digitisation status of the record.
- Options: A list of digitisation status which the current user is allowed to set.
- Error: An error message (only set if the action failed).

³ By November 2010 it is planed to connect the GRIB to the EDIT user management framework (CSSO) allowing individual user access based on the above mentioned two groups of users.

⁴ Pica Production Number

⁵ This has been done in regard to the ongoing discussion with BHL-Europe to build a shared system of unique identification.

⁶ This status can also be used to search for records in the GRIB user interface and via SRU/SRW.