



Entirely open source and extensible, the HIT is intended to grow as new protocols emerge. It is expected that the benefits to both the biodiversity data holders and users are significant, making the process of data mobilisation an easier one that people are keener to engage in.

## SPECIFICATIONS

### GENERAL

- Open source (Apache 2.0 license) Java based, customisable multilingual web application
- Synchronisation with the GBIF UDDI registry
- Harvesting of 3 types of protocols: DiGIR, BioCAsE, and TAPIR; extensible to others.
- Harvesting from the Darwin Core Archive format
- Internationalised output log messaging.
- Role-based user management, allowing for multiple data harvesters to share a common instance.
- An interface displaying the complete list of data publishers and their datasets, filterable by provider name, dataset name, and country name, displaying statistics, etc.
- An interface displaying the complete list of operations currently scheduled.
- An interface displaying the output log messages, filterable by provider or dataset.
- Allows the in-browser viewing of each individual xml request or response sent as part of the various operations.
- Automatic scheduling of operations.
- Synchronisation with one or more external databases.
- Generation of an index on the harvested data

## REQUIREMENTS

Pre-requisites for installing the software:

- Web server with a Servlet container (such as Tomcat or Jetty) connected to the Internet.
- Java version 5.

## SCHEDULE

- GBIF HIT internal alpha version release: 30 April 2009.
- GBIF HIT semi-public alpha release 31 May 2009.
- GBIF HIT public 1.0 beta release: 15 August 2009.
- Software evaluation and bug-fixing September-December 2009
- GBIF HIT version 1.1 release: December, 2009.

## RESOURCES

1. <http://code.google.com/p/gbif-indexingtoolkit/>  
Project Home Site: documentation, downloads, source code, bug reporting, etc.
2. <http://www.gbif.org/>  
GBIF communications portal.
3. <http://www2.gbif.org/WP2009-10.pdf>  
GBIF Work Programme 2009-2010

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