Integrated Publishing Toolkit (IPT)

Overall Description
In moving "towards full operation" of a fully distributed network architecture, the key focus in portal design was to enable customisation by Participants to their local needs, through appropriate and user-friendly tools. In 2009, particular focus was given on simplifying the process of publishing data. The GBIF Integrated Publishing Toolkit (IPT) is a software platform developed by the Global Biodiversity Information Facility (http://www.gbif.org) to facilitate efficient biodiversity data publishing onto the Internet.

Overview
This Java-based tool manages three types of data: taxon primary occurrence data, taxonomic checklists and resource metadata. Through the IPT, users will be able to publish data residing in local databases, upload existing files in comma-separated and tab-delimited formats, and access central services to make use of standardised controlled vocabularies and data quality reporting services. Extensions such as common names, species descriptive data or multiple identifications may be defined and shared amongst the IPT user community. The IPT also acts as a visualisation tool, as it includes a web application allowing for browsing and searching of published data, along with basic mapping services.

Features
• Open source (Apache 2.0 license) Java based customisable, multilingual web application.
• Connects and serves 3 types of data: taxon primary occurrence data, taxonomic checklists and general resource metadata. No manual data entry accepted (except for metadata).
• Manages multiple data sources (with individual metadata descriptions).
• Role-based user management, allowing for multiple data curators to share a common instance.
• Web interface with data browsing, full text search and individual pages for the three types of data, displaying features available for each type (i.e. density maps, charts, metadata).
• Several upload options: Relational Database Management System (RDBMS), tab files.
• Manages Universally Unique Identifiers (UUID): recycles existing IDs or provides new ones, as appropriate.
• Manages technical metadata about the installation.
• Easy setup of Google Analytics for usage statistics.

Resources
http://code.google.com/p/gbif-providertoolkit/
Project Home Site: documentation, downloads, source code, bug reporting, etc.

About GBIF
GBIF makes digital biodiversity data openly and freely available on the Internet for everyone, and endorses both open source software and open data access.
www.gbif.org

GBIF provides scientific biodiversity data for decision-making, research endeavours and public use.
data.gbif.org

GBIF is a network of data publishers who retain ownership and control of the data they share. Linked datasets provide a more robust representation of biodiversity than any single dataset.

GBIF provides access to primary biodiversity data held in institutions in developed and developing countries.
Data shared through GBIF are repatriated data.

GBIF is a dynamic, growing partnership of countries, organisations, institutions and individuals working together to mobilise scientific biodiversity data.

GBIF invites you to download species occurrence data freely and openly from http://data.gbif.org

GBIF invites you to join the GBIF network and share your biodiversity data, as well as participate in developing new tools and services.