Making "small" Biodiversity data "BIG": The Linked Open Data approach

pro-iBiosphere project

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Vision

The pro-iBiosphere project is preparing the ground for the implementation of a service driven e-infrastructure that supports Open Access.
- The target is to make biodiversity data and information (now entrapped in literature): open, linked and digital

Workflow to mobilise data and information

The project is supporting biodiversity community efforts towards using evolving open Web standards such as those related with Linked Open Data.
- In order to mobilise data, the following activities need to happen:
  - Digitise legacy literature
  - Perform Optical Character Recognition (OCR)
  - Marking up digitised text in preparation for databasing (different approaches are being tested through pilots)
  - Import of data and information to an online repository

Workflow to link data and information

In order to make data interoperable, URIs are being assigned to key data items and entire documents.
- With links in place, a broad range of biodiversity information sources will be connected including: Literature, Organism names, Classifications, Occurrences, Traits, Sequences, and Phylogenies

pro-iBiosphere Best Practices for stable URIs

http://wiki.pro-ibiosphere.eu/wiki/Best_practices_for_stable_URIs

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