

# 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](http://wiki.pro-ibiosphere.eu/wiki/Best_practices_for_stable_URIs)

