The COnnecting REpositories (CORE) project aims to facilitate the access and navigation across relevant scientific papers, stored in Open Access repositories across the UK.

This is being achieved by:
1) Harvesting metadata and full-text content from Open Access repositories.
2) Applying text mining techniques to discover semantically related articles.
3) Representing and exposing these relations as Linked Data.

CORE is to our knowledge the first system which discovers relations between papers based on the processing of full-text information, as opposed to existing metasearch systems.

The information about associations between papers is exposed in a format defined by a similarity ontology and published as Linked Data. This makes it possible for third-party systems to exploit the CORE dataset in unprecedented ways.

We are developing three software tools to demonstrate the usability of the system:

**CORE Portal** – A general purpose federated search system for accessing articles harvested from OA repositories.

**CORE Mobile** – A native Android application, which can be used on both mobile and tablet devices. The application allows search and navigation across related papers stored in OA repositories and downloading full-text articles on the mobile device.

**CORE Plugin** - It provides information to digital libraries about related documents stored in other repositories that are semantically related to the document currently being visited.