

The new UCD Digital Library platform - A feature summary

Responsive Web Interface

- "Mobile First" design - consistent user experience from mobile phone to tablet to desktop
- [Bootstrap 3.X](#) (responsive web library)
- Support for [schema.org](#) metadata
- Support for [OpenGraph](#) metadata
- Support for [Twittercards](#)

New Services Architecture

- Services exposed through APIs (Application Programming Interfaces)
- Web API (methods for interacting with the Digital Library web site)
- IIIF Image API v. 1.0 (dynamic image delivery)
- Geospatial Data API (access to UCD Geospatial Knowledgebase, Ancient World Mapping Center, and more)
- Quantitative Data API (preview Open Access survey datasets)
- Linked Data API (download metadata in RDF formats)
- Opensearch API (query the Digital Library's Solr indexes)
- [OAI-PMH](#) endpoint
- [SPARQL](#) endpoint (Virtuoso Universal Server)

Persistent Identifiers

- Improved ability to cite and link persistently to cultural heritage or research data objects
- [DataCite DOIs](#) (Digital Object Identifiers)
- [ARKs](#) (Archival Resource Keys)
- [ORCID](#) identifiers for individual researchers
- [FundRef](#) identifiers for research funders

Research Data

- Data registration for any kind of research data
- Registration of datasets with DataCite registry of research data and assignment of [DataCite DOIs](#)
- Registration of datasets with Thomson Reuters (Web of Science) [Data Citation Index](#)
- Registration of datasets with [OpenAIREplus](#)
- Linked Data/Semantic Web and Metadata Export
- Linked Data API and SPARQL endpoint
- Maximised use of linked data references in [MODS3.5](#) descriptive metadata
- [RDF](#) serialisations for all objects in the repository (RDF/XML, N3/Notation3, N-triples, N-Quads, Turtle, TriX, JSON)
- Downloadable RDF metadata via the Web API
- Downloadable DC and MODS metadata via Web API
- Export to common citation management applications
- Continued export to [Europeana](#)
- Linkages via Web API to Europeana, [Digital Public Library of America](#)

Maps and Map Visualisation

- Geocoding of objects to identify place associations or geographic coverage
- Encoding of points and bounding box information in metadata
- Linkages to geospatial reference datasets ([geonames](#), [OpenStreetMap](#), [logainm](#))
- Linkages to UCD Geospatial Knowledgebase via Geospatial Data API
- Geospatial search via Solr and PostgreSQL/PostGIS application services
- Map visualisations using [LeafletJS](#)

Supported Sites for Collaborators

- Stand-alone sites for sponsored partners
Example: Iberian Books (<http://iberian.ucd.ie>)