

Parallel Semantic Search Across Multiple Repositories



Thanks to the collaboration between DCH-RP and [CHAIN-REDS](#) projects, a [Parallel Semantic Search Engine](#) has been integrated in the [e-Culture Science Gateway](#).

This is a standard-based web 2.0 demonstrative platform that enables search in parallel in different online repositories of linked data. The users now can search across the tens of millions of resources contained in the [CHAIN-REDS Knowledge Base](#) as well as in the [Europeana](#), [Cultura Italia](#) and [Isidore](#) repositories.

The screenshot shows the homepage of the e-Culture Science Gateway. At the top, there's a banner for the DCH-RP project featuring a road and a car. Below the banner, there's a search bar with the placeholder 'Enter a keyword' and a 'Search' button. To the left of the search bar, there's a sidebar with links to 'How to Register and Sign-in', 'Proofs of Concepts', 'Public Applications', 'Semantic Search', and 'Back to the DCH-RP website'. On the right, there's a sidebar with links to 'DCH-RP Project', 'Privacy Policy - Terms of Use', 'Contact us - account - project - support', and 'Copyright 2013 DCH-RP Project'. The main content area has sections for 'Parallel Semantic Search on Linked Data' and 'Parallel Semantic Search on Linked Data' (repeated). It also includes social media sharing options (Facebook, Twitter, LinkedIn) and a 'DIGITAL CULTURE' section.

Data accessible through the eCSG are stored on the European Grid Infrastructure and are accessible through the pan-European GEANT network and the National Research & Education Networks. The service is available both in a web-based version and with a mobile app.

The eCSG was developed to show the Proofs of Concepts (PoCs) identified by the DCH-RP project and how they fit with the requirements defined in the Roadmap.

The screenshot shows the 'Parallel Semantic Search on Linked Data' interface. At the top, there's a search bar with the placeholder 'Enter a keyword' and a 'Search' button. Below the search bar, there's a table with columns for 'Title', 'Author', 'Description', 'Repository', and 'More Info'. The table has three rows of data. At the bottom, there's a detailed record for 'Grande Polonaise tirée de l'opéra Zauber-Flöte par Mozart une seconde Polonaise par Bergmann et un Waltzer'. The record includes fields for 'Title', 'Author' (Bergmann Henrilej), 'Description' (Za zbiórów Henrilli Bąkowskiej), 'Repository' (Kujawsko-Pomorska Biblioteka Cyfrowa (Kujawsko-Pomorska Digital Library)), 'More Info' (http://openDocumentSite/0), and 'Mozart'.

Please access here the Semantic Search service: <http://ecsg.dch-rp.eu/semantic-search>