

Heurist DH Database Builder / CMS / Analysis / Visualise / Publish

HeuristNetwork.org

Need to work on your own or as a team?

Don't have dedicated programming staff (or even if you do)?

Need to get moving quickly?

***Heurist** has a range of functions unequalled by any other Humanities data management system. It places control of database design and publishing squarely in the hands of researchers rather than developers.*

Build your database today, not next year! Know that it will work, from the outset!

And if it isn't right to start with, you can change it as much as you like ...

- **Free non-commercial web services:** HeuristPlus.sydney.edu.au Heurist.Huma-Num.fr (open to all)
- **Open Source:** web service can be installed on a private server (not necessary for most users)
- **Zero installation:** all you need is a standard web browser (Chrome, Firefox, Safari, Edge etc.)
- **No coding:** database creation without technical knowledge (or the need to get a server).
Build a complete, fully-functional, richly linked, searchable database in hours to days
- **Publish as CMS website:** creation in minutes with full control of data visibility
- **Incremental development** as needs evolve: modify and extend the database structure at any time without affecting existing data (add new entity types, new relationships, new attributes, new vocabularies and terms, ordering, relabeling etc.)
- **Multi-user, workgroups:** per-record ownership & visibility control, private & public records
- **Centrally maintained:** managed, upgraded, backed up automatically. Archivable.

Structure

- **Common reusable entity types** (Person, Place, Organisation, Event etc.), template structures for specific fields (archaeology, biography, museums etc.) and ability to publish templates for reuse.
- **Rich field types:** text, memo (long text/html), hierarchical terms/categories, numeric, date/time (including fuzzy/uncertain), geographic objects, file, remote media (image, sound, video, pdf etc.), constrained record links (foreign keys), relationships, personal and workgroup tags
- **Pre-loaded vocabularies & semantic URIs:** DC, BIBO, BIO, DOAP, FOAF, MUSIC, RDF, SKOS, CC licenses, Country codes, Language and many others
- **Multi-value/repeating fields:** order maintained, cardinality (optional/required/limited)

Getting data in

- CSV import wizard to pull in spreadsheets; normalizes complex multi-entity spreadsheets
- XML and JSON export/import allowing easy transfer of data between databases
- Import of other common formats such as KML
- Heurist team can assist with importing from SQL dbs, Filemaker, Omeka, Drupal etc.

Getting results

- Simple query builder } simple tree/wizard interface
- Facet query builder } easy navigation of live queries
- Expansion rules builder } drill down into networks of interconnected records
- Combine, save and re-use/publish queries developed with the wizards
- Visualise query results as lists, maps, timeline, networks and custom reports
- Export query results as XML, RDF, CSV, KML, (Geo)JSON, GEPHI, RSS, custom reports etc. as either file-based or feed. Restful API.
- Publish multiple CMS websites directly within a database, editable through standard Heurist data entry forms, source or WYSIWYG editor. Easily embed database content - images, audio, video or interface widgets (search results, map, custom report etc.) in the web site.
- Generate as live feed or batch process. Restful API.

Sustainability, archiving, migration

- Centrally maintained for medium to long term sustainability. All Heurist databases and websites will continue to work with little or no work as long as the server is maintained.
- Shared dependency reduces per-database maintenance cost and creates a community of support to sustain the system into the future.
- Generates fully self-documenting archivable packages for long-term archiving (text-based metadata and documentation, XML, SQL and original file uploads)
- Databases can be quickly regenerated on a new server from the archival package or transferred between databases (even if structures are different) with XML export/import.

More info: support@HeuristNetwork.org, or simply create a database on the web service (we will send you an introductory email with further information; we don't share your email or bug you).