Drupal is a powerful framework that can be used in Digital Cultural Heritage. Our aims are to introduce Drupal into Digital Cultural Heritage domain.
Drupal is a powerful framework that can be used in Digital Cultural Heritage. Our aims are to introduce Drupal into Digital Cultural Heritage domain, as well as to share and protect our long-standing civilization through time by using Drupal. Thus we present Drupal's contribution to Digital Cultural Heritage.
In search for a technology to support our project we evaluated many existing systems.

We had in mind an open source technology with large community.

That was the main reason of choosing Drupal open source software maintained and developed by a community of over 1,000,000 users and developers.

In our case Drupal 7x Content Management System that built in PHP programing language and it lay on a relational database.
Reflectance Transformation Imaging for Cultural Heritage
Reflectance Transformation Imaging for Cultural Heritage
3D Models
Why Drupal

- Core Drupal can easily be extended in a pluggable way by installing contribute modules or custom coded modules developed in-house at The Cyprus Institute.
- Drupal is a semantically aware Content Management System.
- The need to define a common language in a machine readable way we have to map our content fields into CIDOC-CRM The Conceptual Reference Model (CRM) that provides definitions and a formal structure for describing the implicit and explicit concepts and relationships used in cultural heritage documentation.
Πήλινο ειδώλιο έφηππου κιβαρωδού από την Παλαιάπαφο - Σκάλες. Τάφος 52. Αρ. Κουκλιών, Πάφος. Ύψος: 15,2 εκ.

Timeline

Χρονολόγιο

5000 π.Χ.

2500 π.Χ. - 1900 π.Χ.
ΠΡΩΙΜΗ ΕΠΟΧΗ ΤΟΥ ΧΑΛКОΥ | EARLY BRONZE AGE

1900 π.Χ. - 1600 π.Χ.
ΜΕΣΗ ΕΠΟΧΗ ΤΟΥ ΧΑΛΚΟΥ | MIDDLE BRONZE AGE

5000 π.Χ. - 3900 π.Χ.
ΚΕΡΑΜΕΙΚΗ ΝΕΟΛΙΘΙΚΗ | CERAMIC NEOLITHIC
System Architectural
Key Modules

- Apache Solr (For Ancient Greek text search)
- Biblio
- Book
- Geolocation
- Lightbox2
- Media
- WYSIWYC
- RDF RDFa
- Sarnia
- Search API autocomplete
- Search Views
- Solr Search
- Taxonomy
- Term reference tree
- Token
- Views
- Word Link
- CCK Tools
- RDF
Connecting Drupal with a third party applications for Digital Heritage Domain

- Why Drupal is suitable for Digital Cultural Heritage projects
- Advanced Scientific Visualization
- Reflectance Transformation Imaging for Cultural Heritage
- CIDOC Conceptual Reference Model (CRM) Understanding of Cultural Heritage Information
- Open Data & Web Semantics Interoperability for Cultural Heritage
- 3D Models for Cultural Heritage
- Scalability
- Cultural Heritage Imaging
- Mapping Cultural Heritage, Geospatial
- Multilingual (Ancient Languages Integration)
- Examples projects DIOPTRA : Digital Library of Cypriot Culture base on Drupal 7x
- Taxonomies, how we can use them in Digital Cultural Heritage
- Key Module for developing a Cultural Heritage project
- Text Analysis
- Advance Search using Apache Solr Lucene
Drupal Web Semantics and Interoperability

- Semantic Aware Framework
- RDFa
- ARC2 Triple Store
- SPARQL
Drupal and CIDOC-CRM

Promote a shared understanding of cultural heritage information.

The CIDOC Conceptual Reference Model (CRM) provides definitions and a formal structure for describing the implicit and explicit concepts and relationships used in cultural heritage documentation.
RDFa semantics (in HTML attributes)

Vocabularies

- RDFS
- Dublin Core (DC)
- Friend of a Friend (FOAF)
- SIOC
- CIDOC-CRM
Pipeline of projects
How we develop Digital Heritage
Projects using Drupal
Some members of the team
Thank you

Please any Questions?