

# Europeana Space

## 2nd International Conference

Technical Space: An interoperable  
platform for creative reuse of  
digital cultural heritage

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**Tallinn, December 2015**



# Technical Space

- Back-end for storing, indexing, retrieving content and metadata
- Front-end to create and manage collections
- Suite of services for metadata manipulation
- Set of APIs for accessing data and services
- Social dimensions

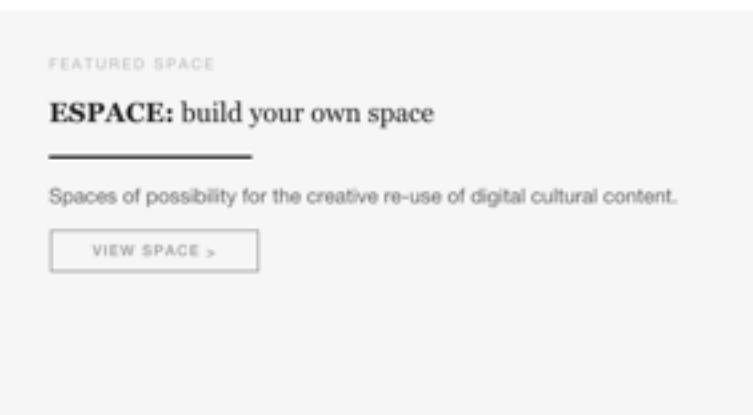
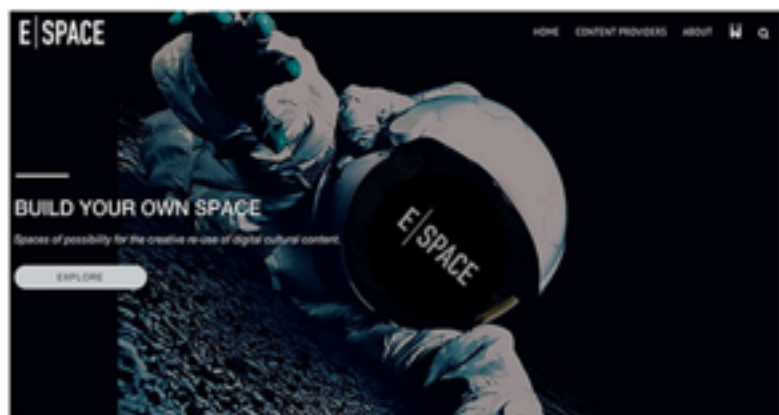
[with.image.ntua.gr](http://with.image.ntua.gr)



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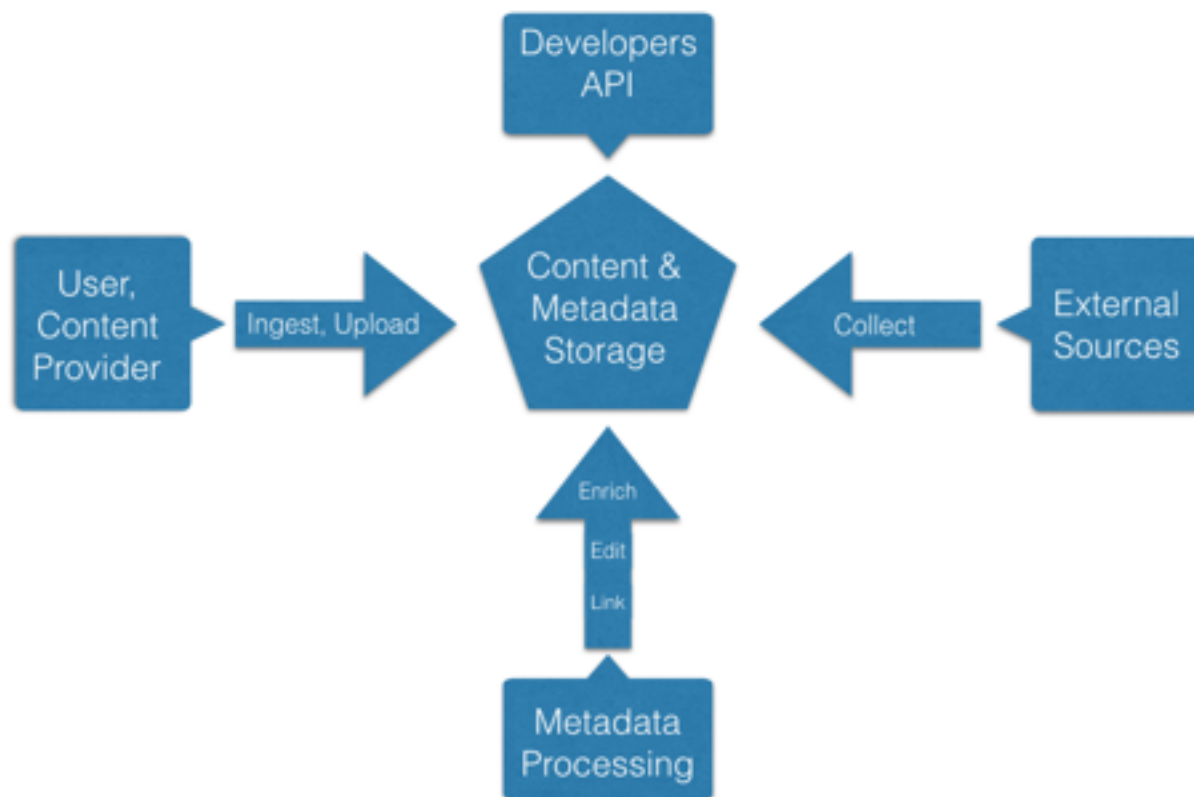
# Technical Space



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# Technical Space



# Workflows

- Create and manage a collection
- Publish content and metadata
- Develop using the back-end and APIs
- Set up and manage a user group
- Prepare and support a hackathon



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# Create & manage a collection

- Search
- Collect
- Edit
- Share
- Exhibitions



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# Create & manage a collection

The screenshot shows a search results page for the term "dancing". At the top, the search term "dancing" is displayed in a large font. Below it, there are several filter buttons: "Europeana x", "DPLA x", "DigitalNZ x", "Rijksmuseum x", "WITHin x", and "The British Library x". A "Filter" button is also visible. The results are organized into four columns, each representing a different digital library: EUROPEANA, DPLA, DIGITALNZ, and WITHIN. Each column contains a list of items with small thumbnail images and text labels. For example, under EUROPEANA, items include "negative", "Hedges - Pierre Droulers", "Giorgio Rossi RAMI. COME QUANDO FUORI PIOVE", "Nous étions timides", "Un cas barré - 02", "Les Buveuses de café - 01", and "Un cas barré - 01". Under DPLA, items include "Dancing", "Dancing", "[Dancing.]", and "Dancing". Under DIGITALNZ, items include "Dancing", "DANCES", "Dancers.", "Dancers(?)", "Dancers?", "Dancers", and "Dancers". Under WITHIN, items include "Marae dancing - aitu", "Balinese Children Dan", "Φίλος με αδελφούς α", "διδασκάλων στη Λέσ", "'dancing'", "MILANO: nuovo origin", "Korea - Traditional Da", and "Dancing".

# Publish content & metadata

- Upload content (<http://space.image.ntua.gr/register>)
- Ingest metadata ([mint-projects.image.ntua.gr/espace](http://mint-projects.image.ntua.gr/espace))
- Map (when & how), transform & edit metadata
- Export as collection
- Publish to Europeana

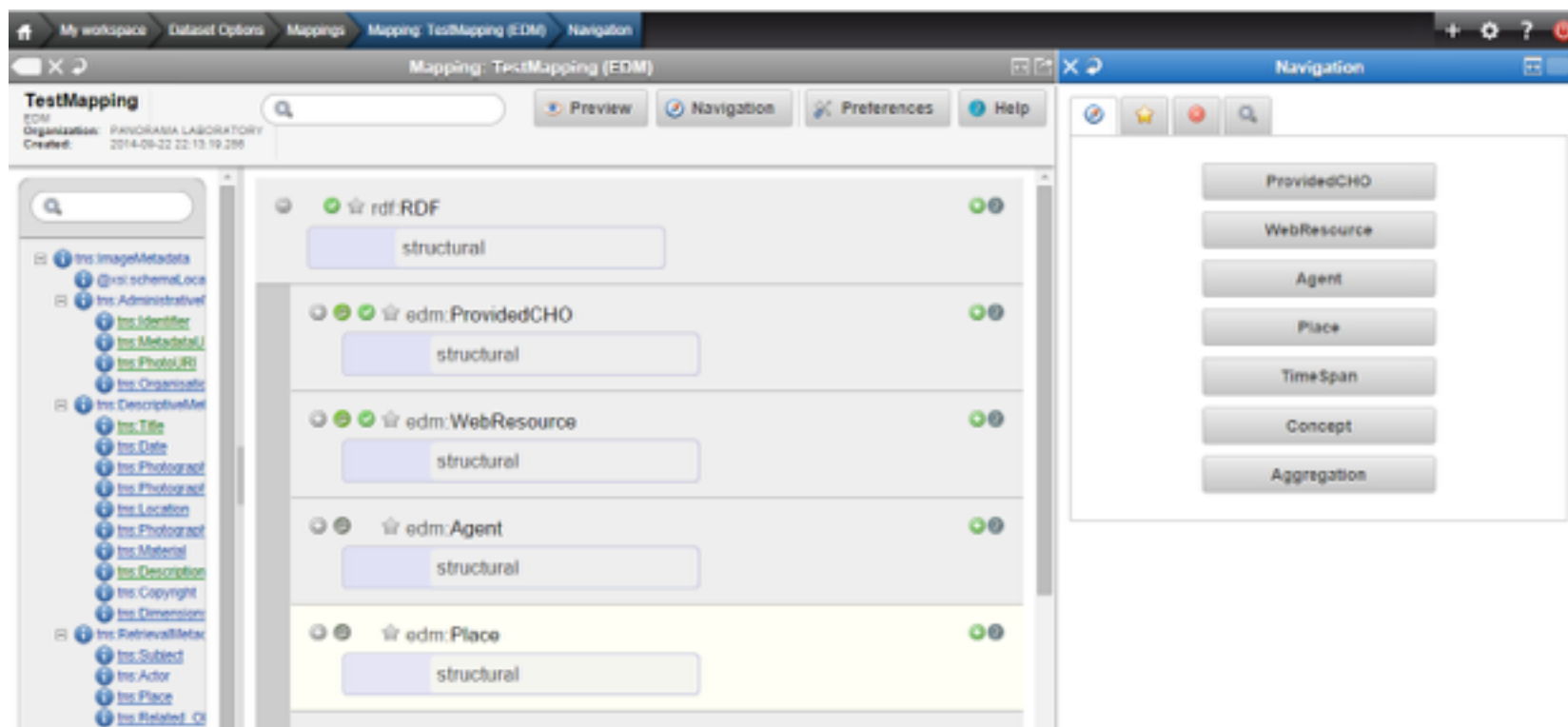


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# Publish content & metadata



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# Build with the back-end & APIs

- API documentation
- API keys
- Data
- Services (WITH, MPU, TV Pilot)



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# Build with the back-end & APIs

**RETURN TO WITH**  
Request an API key

**API REFERENCE**  
Search  
**General search in exter...**  
Advanced search with filters (fa...  
Collection  
Group  
Organization  
Project  
Exhibition  
Record  
Rights  
User

**WITH API**  
Welcome to the WITH API documentation! We are still in a development phase, so expect changes. We will keep this documentation updated and this text will include a memo of the latest changes.  
last update: 2015-09-16 v1.1

## General search in external resources and the WITH database.

**POST** /api/search

Body contains search parameters, response is a JSON array of records that match the search term. Boolean search supports use of AND, OR and NOT operators. Terms separated without an operator (using a space) are treated as an AND. Use of quotes will perform exact term or phrase searches. For example, "Olympic 2008" will search for the exact phrase, whereas Olympic 2008 will equate to Olympic AND 2008. For more search options use advanced search.

**Parameters**

**body** (required)

**Content type:** application/json

Search parameters.

### RESPONSE SAMPLE

```
{
  "query": "test",
  "totalCount": 0,
  "totalCount": 0,
  "count": 0,
  "items": [
    {
      "id": "test",
      "title": "test",
      "description": "test",
      "creator": "test",
      "year": "test",
      "dataProvider": "test",
      "url": {
        "original": "test",
        "thumbnail": "test",
        "embedSourceAPI": "test"
      },
      "fulltextscore": "test",
      "scoreFrom": "test",
      "weight": "test",
      "externalID": "test"
    }
  ],
  "source": "test",
  "facet": {
    "name": "test",
    "fields": [
      {
        "label": "test",
        "count": 0
      }
    ]
  },
  "filters": [
  ]
}
```



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# Create and manage a group

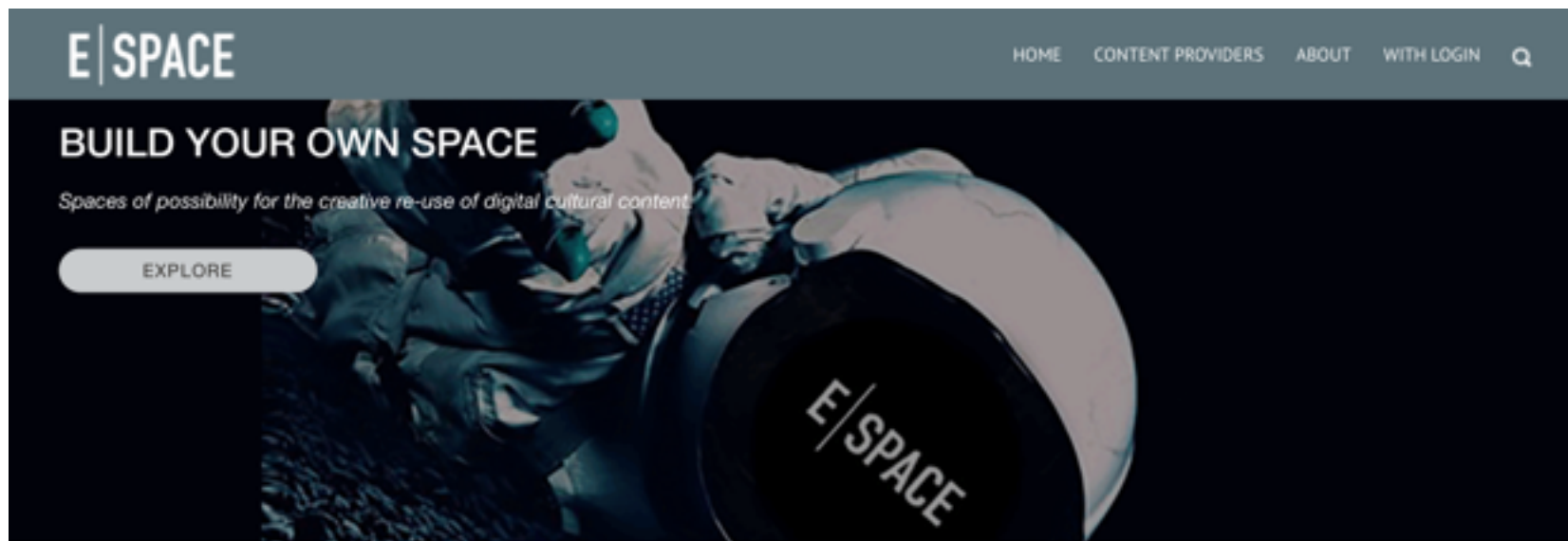
- User groups
- Spaces and customisation
- User pages



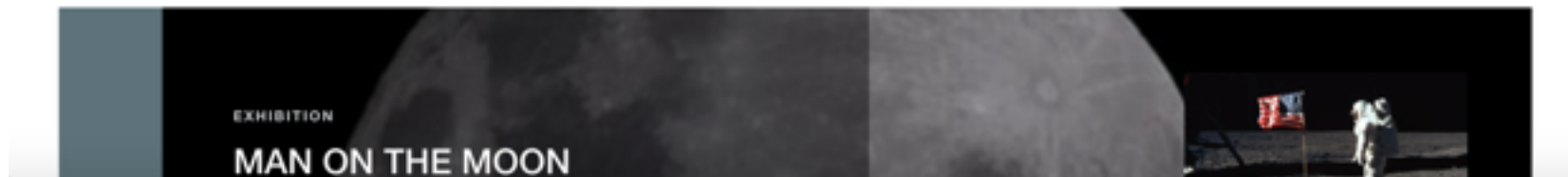
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# Create and manage a group



## FEATURED EXHIBITION



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# Prepare & support hackathons

- Create event's space
- Add collections
- Invite users
- Set up access scenarios
- Inform developers



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# Ongoing and future steps

- New UI design
- From Items to Resources
- Content analysis
- Annotations
- Access scenarios
- APIs



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# Thank you

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