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NATIONAL DOCUMENTATION CENTRE

Widening open access: EKT as a case-study for an innovative content distribution model

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Satellite meeting: International & local developments that enhance scholarly communication in the biomedical and social sciences

The National Documentation Centre / EKT

- Is located at the National Hellenic Research Foundation
- Is operating under the supervision of the Ministry of Digital Governance
- Was founded in the 80s

EKT is a key player in knowledge dissemination in Greece

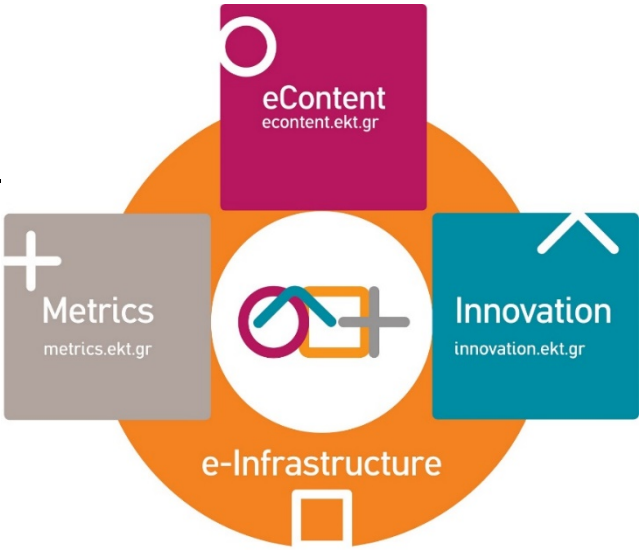
We collect, document and disseminate quality scientific and cultural digital content.

We measure and record the Greek Research, Technology, Development, Innovation ecosystem.

We help enterprises network, become outward-oriented and collaborate with the research community.

We actively participate in the formation of Nation strategy for Open Science and Open Access.

We aim for wide knowledge dissemination and support Greece's development and harnessing of its human resources.



Widening open access: EKT as a case-study for an innovative content distribution model

EKT
eContent.EKT.gr
digital content & services

EKT facilitator of inclusive circulation of knowledge in & for society at local & European level.

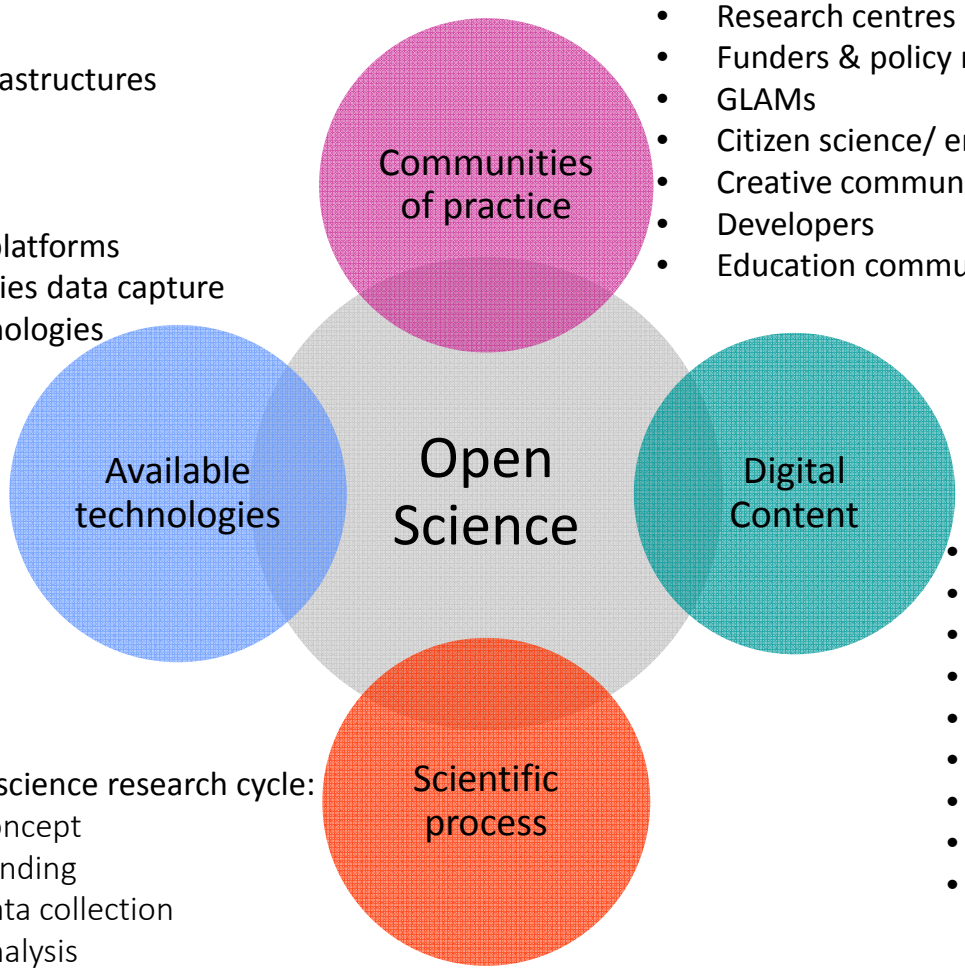
For // open & citizen science, education, life-long learning & research, inspiration, cultural sharing, re-use

Scope // to collect, curate & publish a growing volume of science & culture digital content

Open Science **ecosystem**

- Scientists
- Interdisciplinary collaborators
- Universities
- Research centres
- Funders & policy makers
- GLAMs
- Citizen science/ engaged public
- Creative communities
- Developers
- Education communities

- Research e-infrastructures
- digitalization
- digitization
- Altmetrics
- Collaboration platforms
- New technologies data capture
- Semantic technologies



- Digital collections
- Big data/data repositories
- Museum collections
- Archives
- Educational resources
- Aggregators
- Library catalogues
- Indexes
- Semantic tools

Open science research cycle:

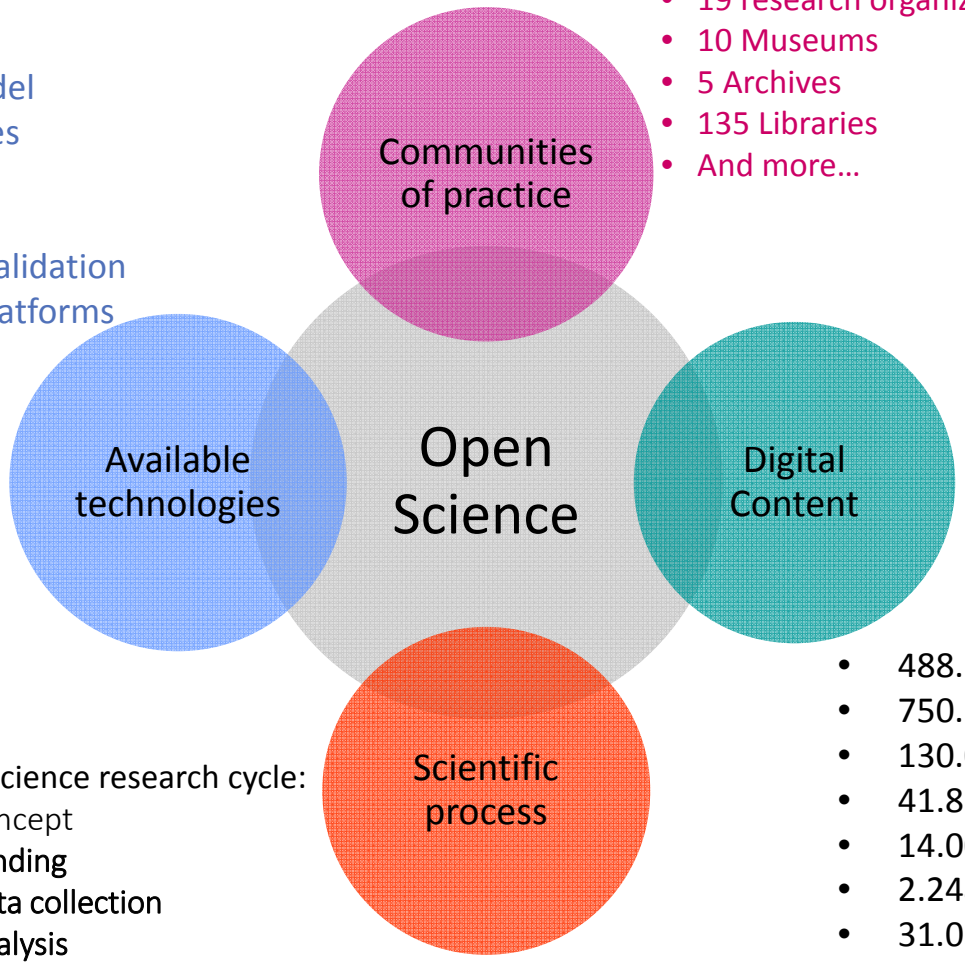
- concept
- funding
- data collection
- analysis
- publication
- dissemination
- evaluation

EKT's contribution in the Open Science ecosystem

- SaaS delivery model
- Cloud technologies
- E-publishing
- Semantic tools
- Interoperability Validation
- E-collaboration platforms
- Metrics

Collaboration with 180 organizations:

- 35 Universities
- 22 Cultural Organizations
- 19 research organizations
- 10 Museums
- 5 Archives
- 135 Libraries
- And more…

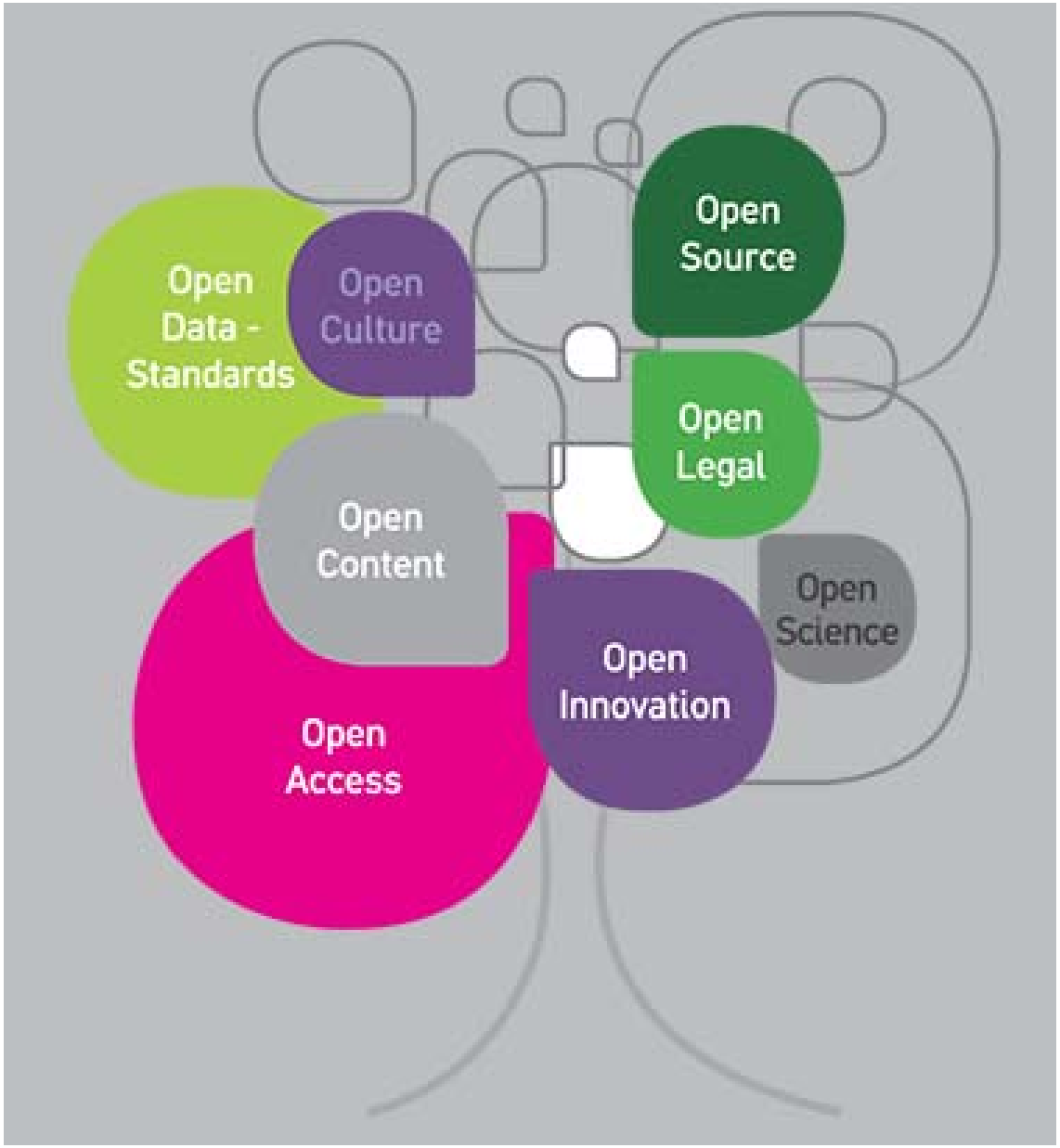


Open science research cycle:

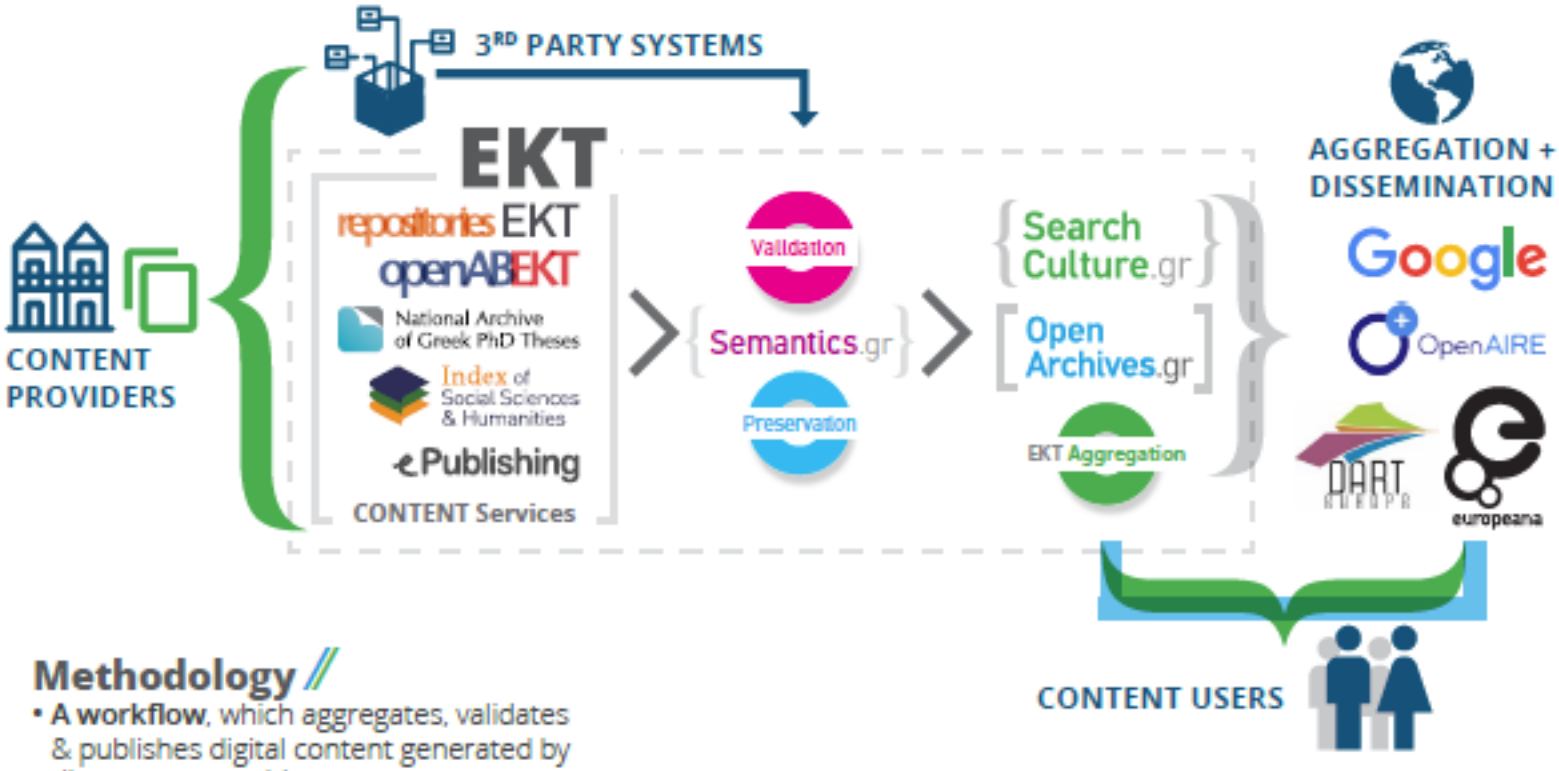
- concept
- funding
- data collection
- analysis
- publication
- dissemination
- evaluation

- 488.235 cultural records
- 750.227 science records
- 130.000 records in repositories
- 41.860 PhD Theses
- 14.000 e-journal articles
- 2.248.389 records in openABEKT Opac
- 31.055 SSH articles in GRISSH Index

As knowledge and culture are public goods, EKT promotes
the circulation of knowledge to strengthen the economy and society:



Innovation in methodology, business model and a content-agnostic workflow for adding value to and ensuring openness of collected data



Methodology

- **A workflow**, which aggregates, validates & publishes digital content generated by diverse communities
- **Semantic enrichment**, which adds value & conceptual integrity to curated digital content

Business Model

Funneling structural funds (national & EU) to build a robust infrastructure + design developmental initiatives & cloud-native digital services

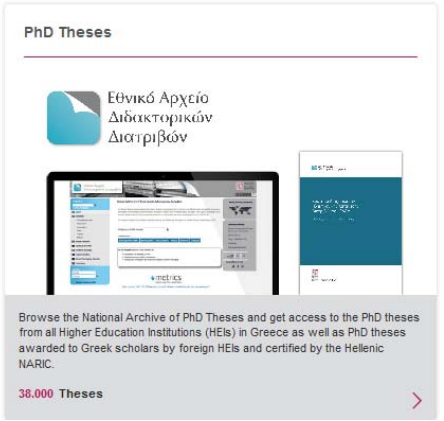
IMPACT

Innovation: an integrated methodological approach & a common workflow oriented towards a blended dissemination model

Added value: synergies that enhance learning, strengthen digital public domain, support sustainability, enable cultural sharing

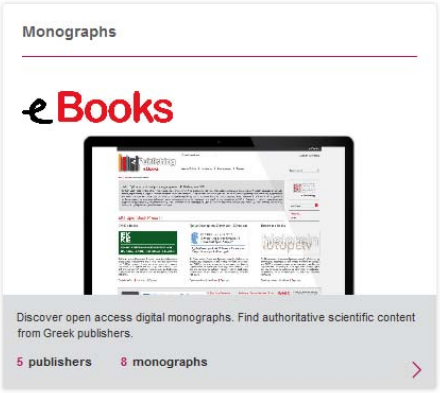
Digital Services for aggregating, publishing and enriching thousands of digital assets from hundreds of knowledge+cultural organizations

723.000 records I 432.812 records



30 repositories I 130.00 records

40.000 PhD theses

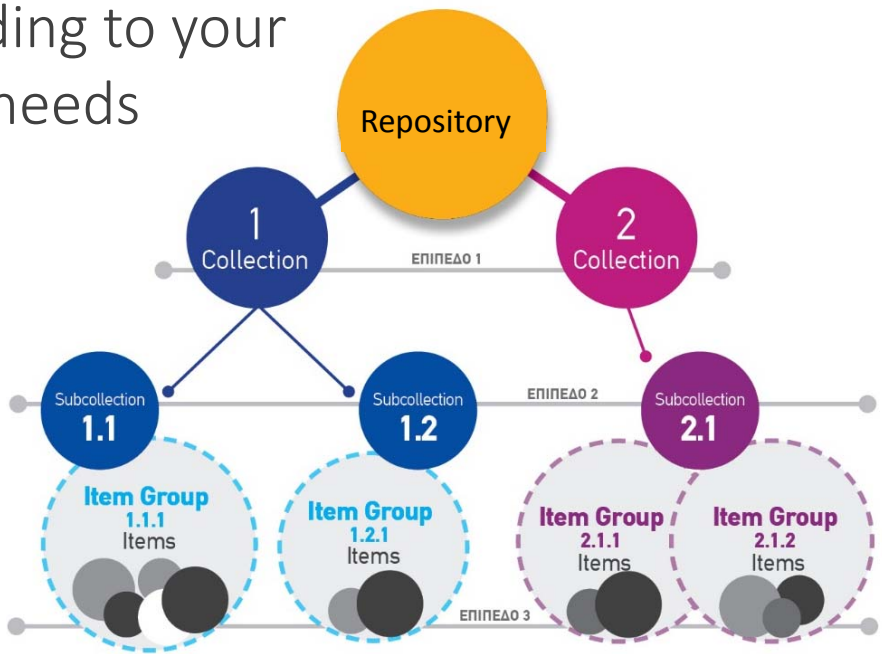


32 journals I 8 monographs I 4 conference proceedings

EKT's Digital Repository Service

Services SaaS by EKT repositories

organize content according to your needs



deposit and document all types of content

Types

Text

Cartographic Material

Sound Recordings

Projected and Video Material

3D Artefacts and Realia

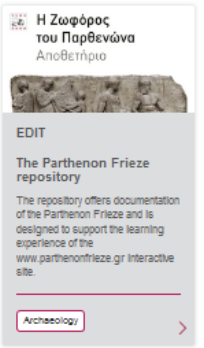
2D Graphics

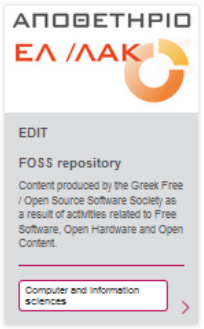
Scores

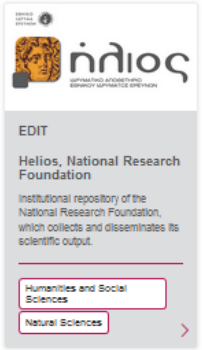
Datasets

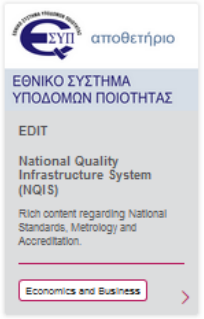
Results: 30 repositories

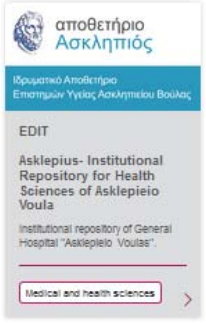
Services SaaS by EKT
repositories

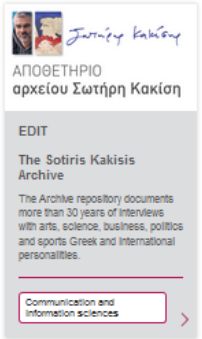












openABEKT

An integrated cloud-based service for catalogue and library functions

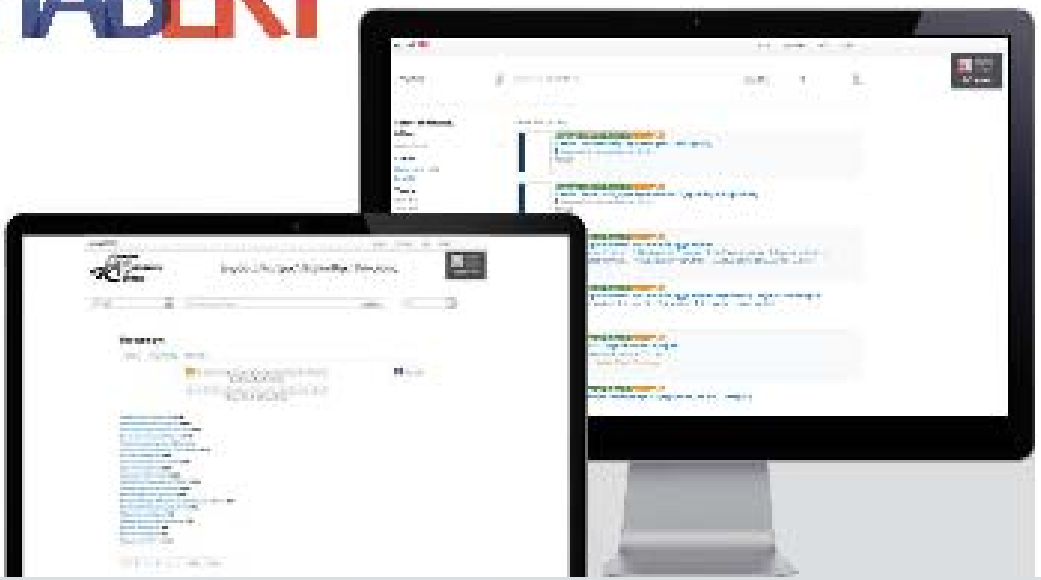
Public access environment, open to your online visitors

Internal environment, visible only to your staff

Results

Library Catalogues

openABEKT

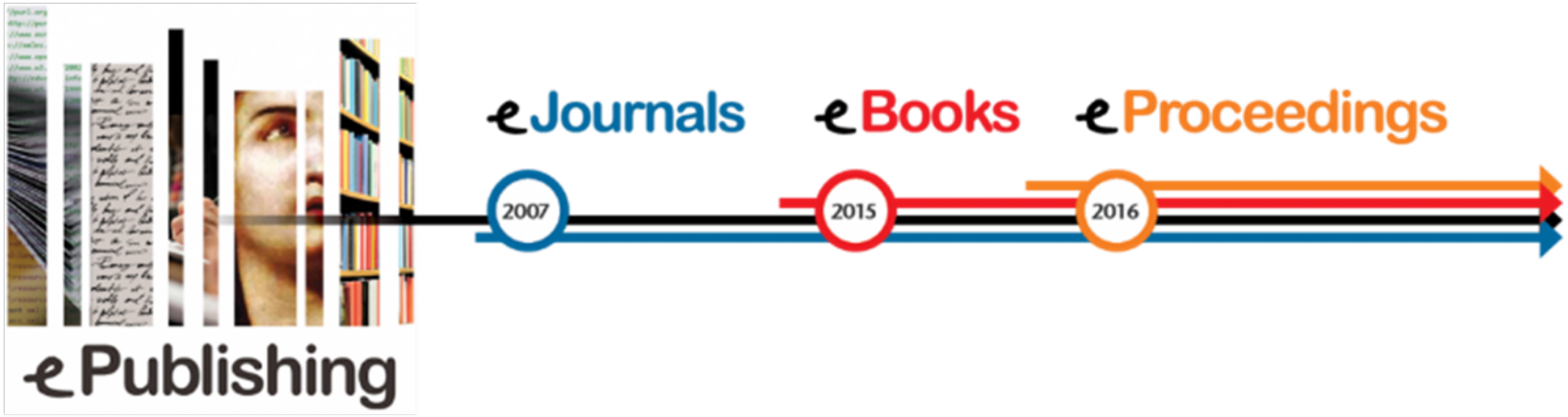


Explore public and specialist library catalogues in openABEKT or visit the Union Catalogue of all libraries.

160 catalogues **2.247.478** records in OPAC

ePublishing | epublishing.ekt.gr

A suite of publishing services to the country's academic community committed to the principles of open access



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Scientific journals

eJournals

Browse, search and view electronic open access journals in a variety of formats and languages. They are published by scientific organisations and cover a wide range of subjects both SSH and STEM fields.

38 eJournals **14.000** articles

›

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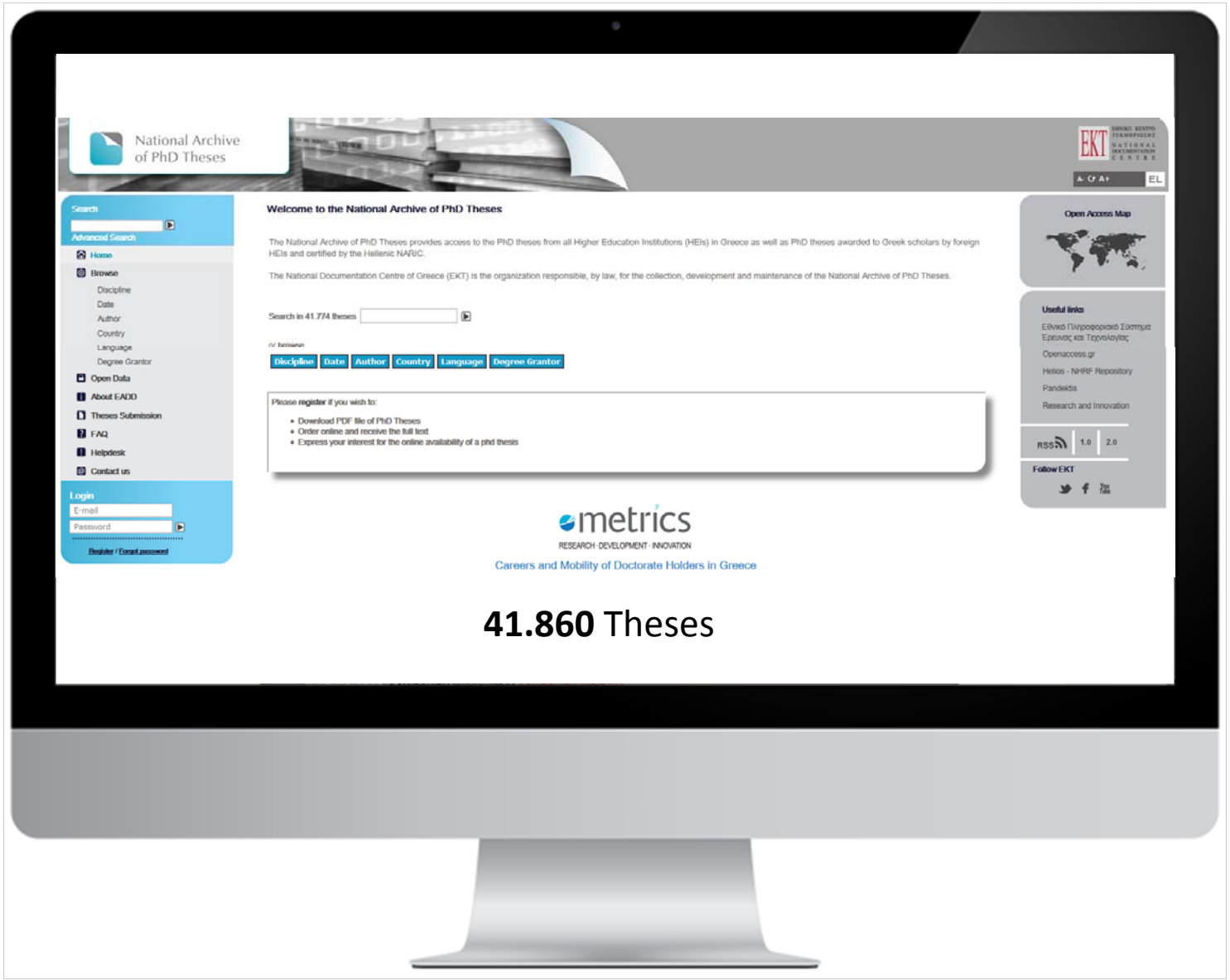
24 conference proceedings

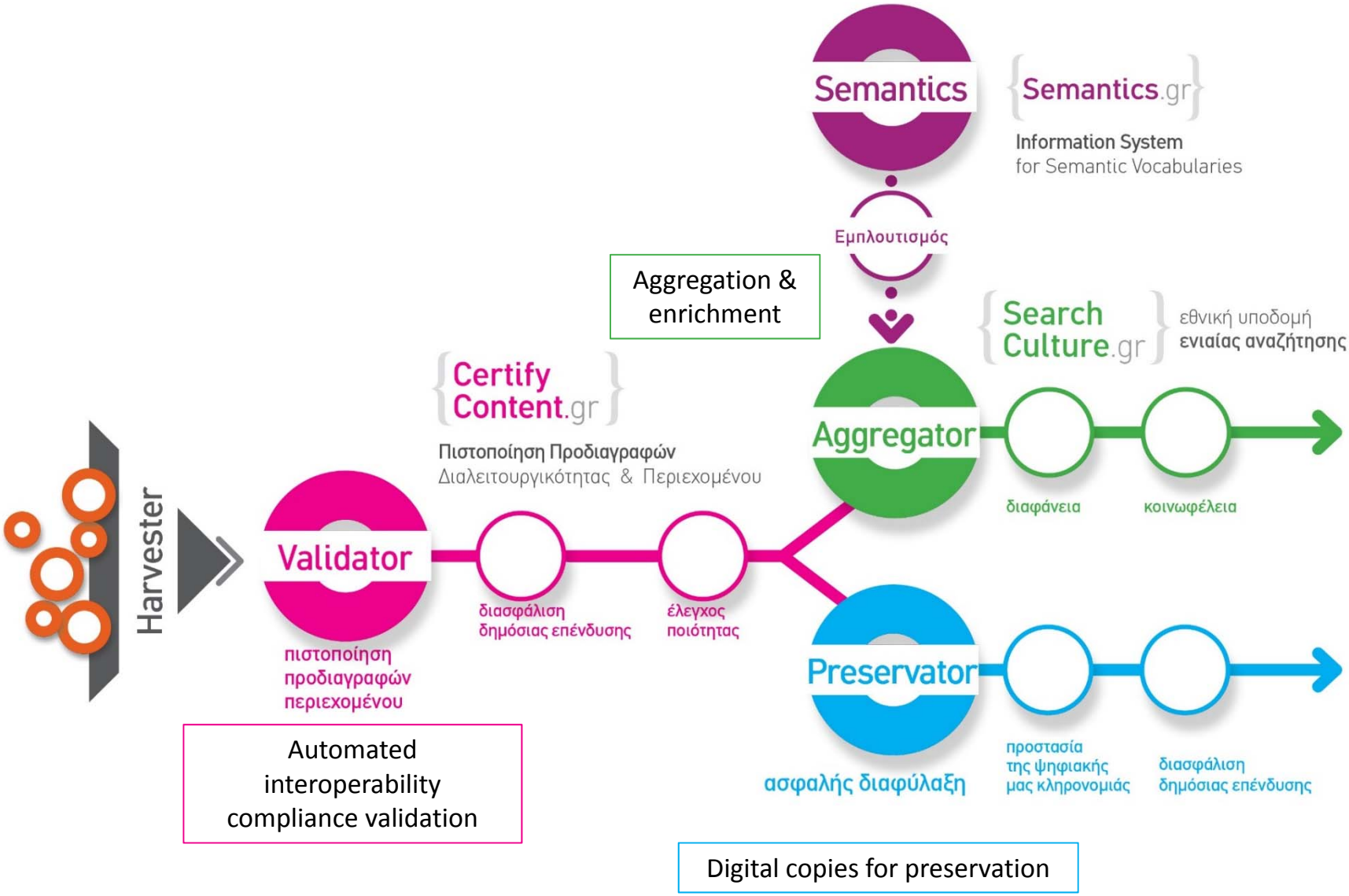


41.860 Theses

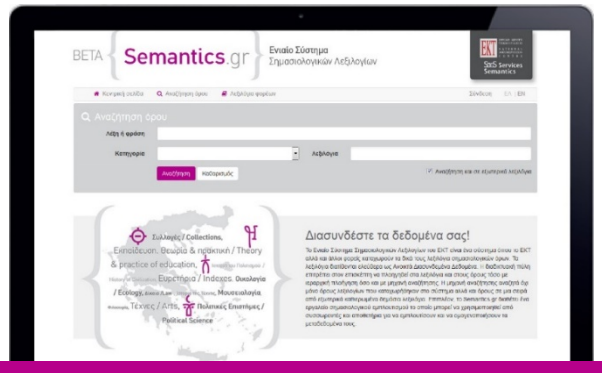
The Greek Index of Social Sciences and Humanities (grissh.gr) contains more than 90 journals and metadata about 31.055 articles, some of which are openly licensed.

A suite of comprehensive cloud services for sustainable digital content management and publication

SaaS Services by EKT



Semantics.gr



A new generation platform for the establishment of Vocabularies and Semantic Interface Content.

- Organizations establish and link vocabularies or use them for the meaningful interconnection of their content.
- A public online portal (www.Semantics.gr) which disseminates content as Linked Open Data.
- It supports vocabularies, thesauri, taxonomy and names for concepts, time periods, locations, people and organizations.
- It has a user-friendly configuration tool for shaping vocabularies and a semantics enrichment tool which can be used by aggregators and repositories to enrich and homogenize metadata.

EKT Aggregation

Open Archives.gr — Greek science content in the digital public space

Search Culture.gr — Greek cultural heritage in the digital public space

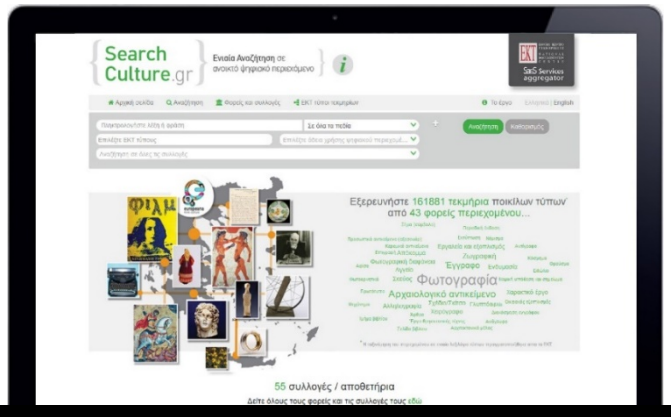
Aggregators

Explore thousands of culture and science records, from a number of institutions, in our Aggregators. Make use of the advanced search and filter functions to discover the content that suits your needs.

488.235 records on SearchCulture.gr

750.227 records on OpenArchives.gr

Search Culture.gr + europeana



europeana aggregator
TRUSTED PARTNER

- Guidelines & validation tools for data quality & interoperability standards (metadata formats, harvesting protocols, persistent identifiers)
- Advice on use of open licenses
- Semantic enrichment currently for types, historical periods & subjects, using EKT vocabularies that are linked to Getty AAT, DBpedia & UNESCO thesaurus
- Publication as Linked Data & via and open API
- Secure back-up storage for metadata & digital files for selected providers
- Dissemination, promotion & outreach
- Training & remote support

Results

488.235 records from 59 content providers validated & aggregated into SearchCulture.gr.
175.000 records from 26 content providers have been ingested into Europeana.
452.767 records in SearchCulture.gr have been homogenized & enriched through Semantics.gr.
750.227 records from 59 content providers have been aggregated into OpenArchives.gr.
707.489 records in OpenArchives.gr have been homogenized & enriched through Semantics.gr.
30 repositories were developed through EKT's Repository Service, amassing around **130.000 records**.
38 eJournals, 4 eProceedings series & **9 eBooks** have been published through EKT's ePublishing services, with 14.000 records in total.
160 Libraries use the openABEKT service contributing **2.248.389 records** to the openABEKT central public Catalogue
31.055 SSH articles are indexed in Grissh.gr

Results

- **Knowledge transfer** and sharing technical know-how with a community of users not specialized in knowledge and data management
- Policy makers recognize the need for committing to **sustainability & openness**
- **Paradigm shift** for widening open access and linking data
- Promoted collaborative actions for **re-use** of content and applications for learning purposes
- Contributing to the development of a **Digital Public Space**

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digital content & services

eContentEKT
Discover
digital content

eContentEKT PRO
Discover our services

35
YEARS

1000+
COLLABORATIONS

1.000.000+
RECORDS

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