




**EKT**

ΕΘΝΙΚΟ ΚΕΝΤΡΟ  
ΤΕΚΜΗΡΙΩΣΗΣ  
NATIONAL  
DOCUMENTATION  
CENTRE



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

Elena Lagoudi  
Science & Culture Digital Library Department

**IFLA 2019 23 August 2019, Athens**

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

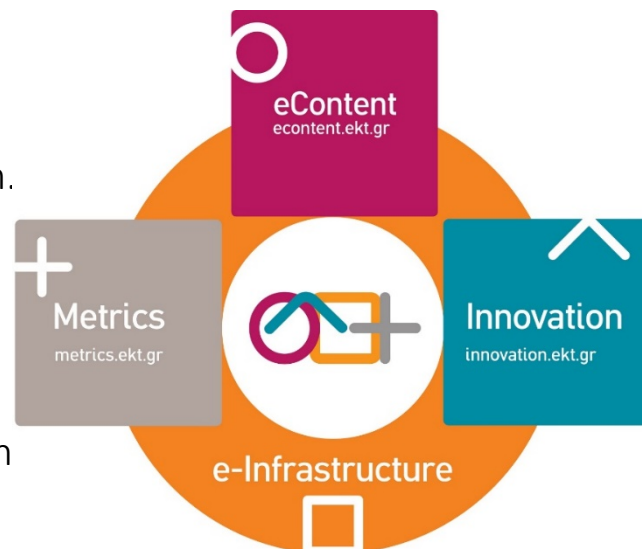
**We collect, document and disseminate** quality scientific and cultural digital content.

**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.





**EKT**  
**O**  
eContent.EKT.gr  
digital content & services

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

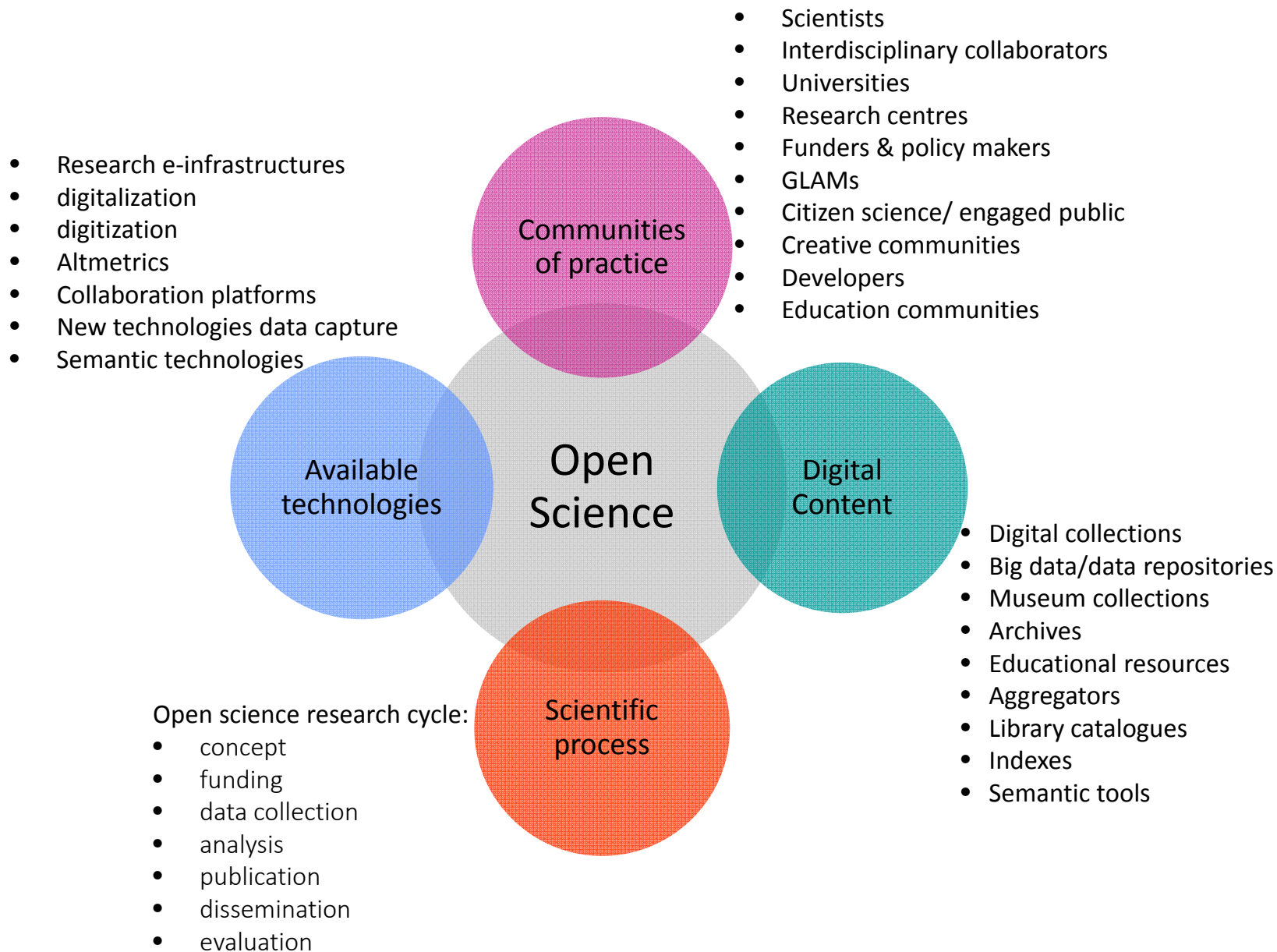
**EKT** facilitator of inclusive circulation  
of knowledge in & for society at local &  
European level.

**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



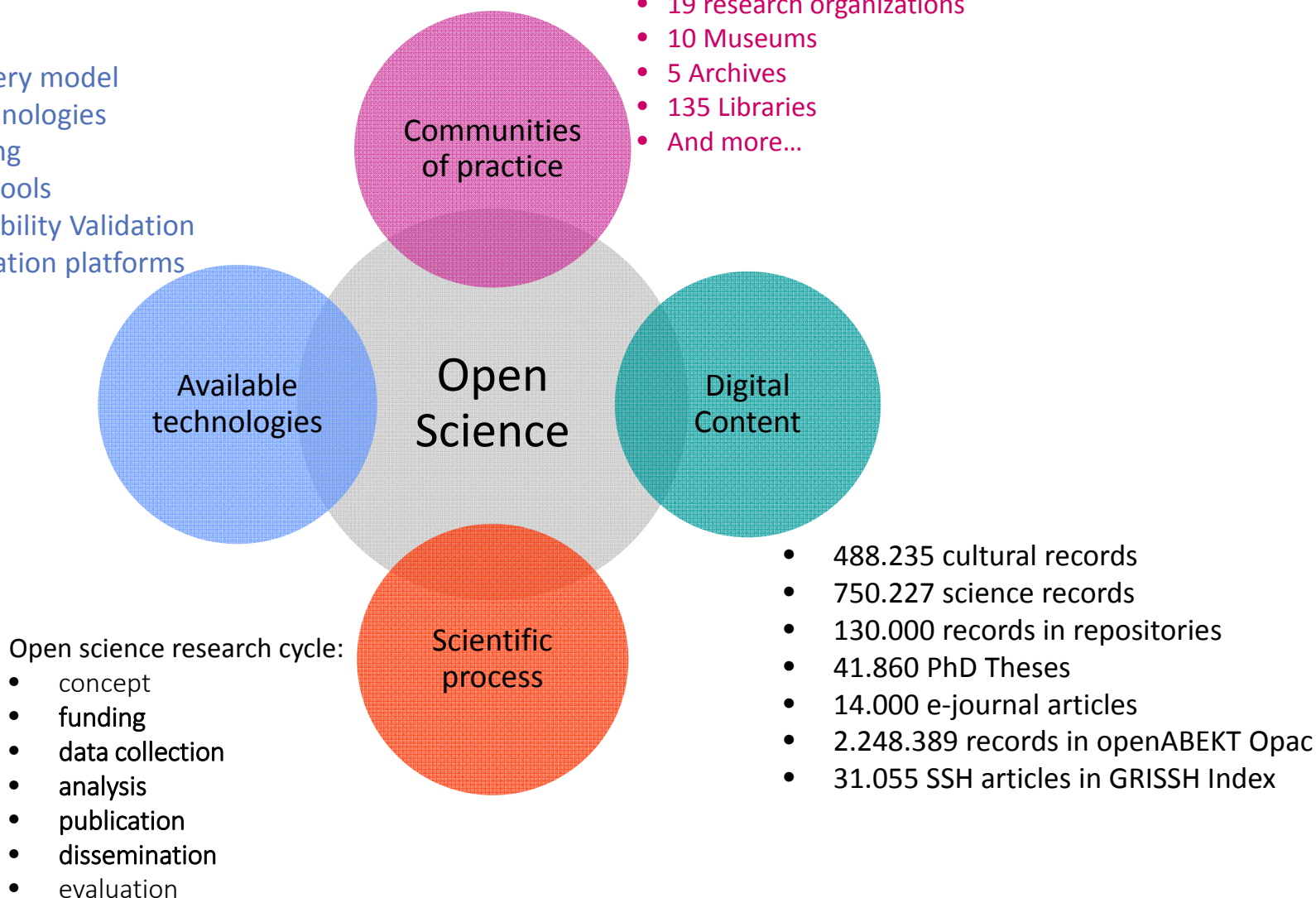


# EKT's contribution in the Open Science ecosystem

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

## Collaboration with 180 organizations:

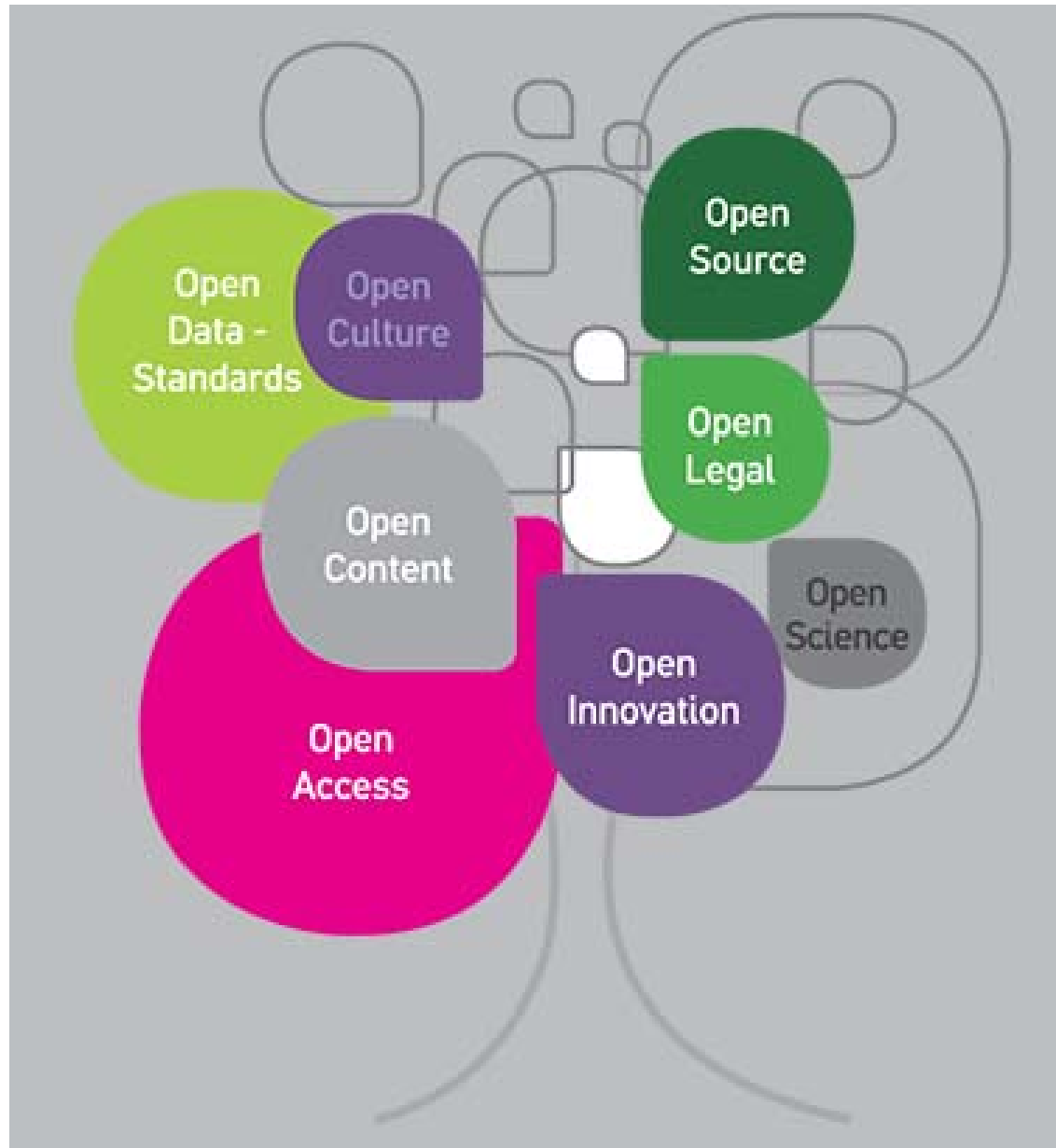
- 35 Universities
- 22 Cultural Organizations
- 19 research organizations
- 10 Museums
- 5 Archives
- 135 Libraries
- And more...





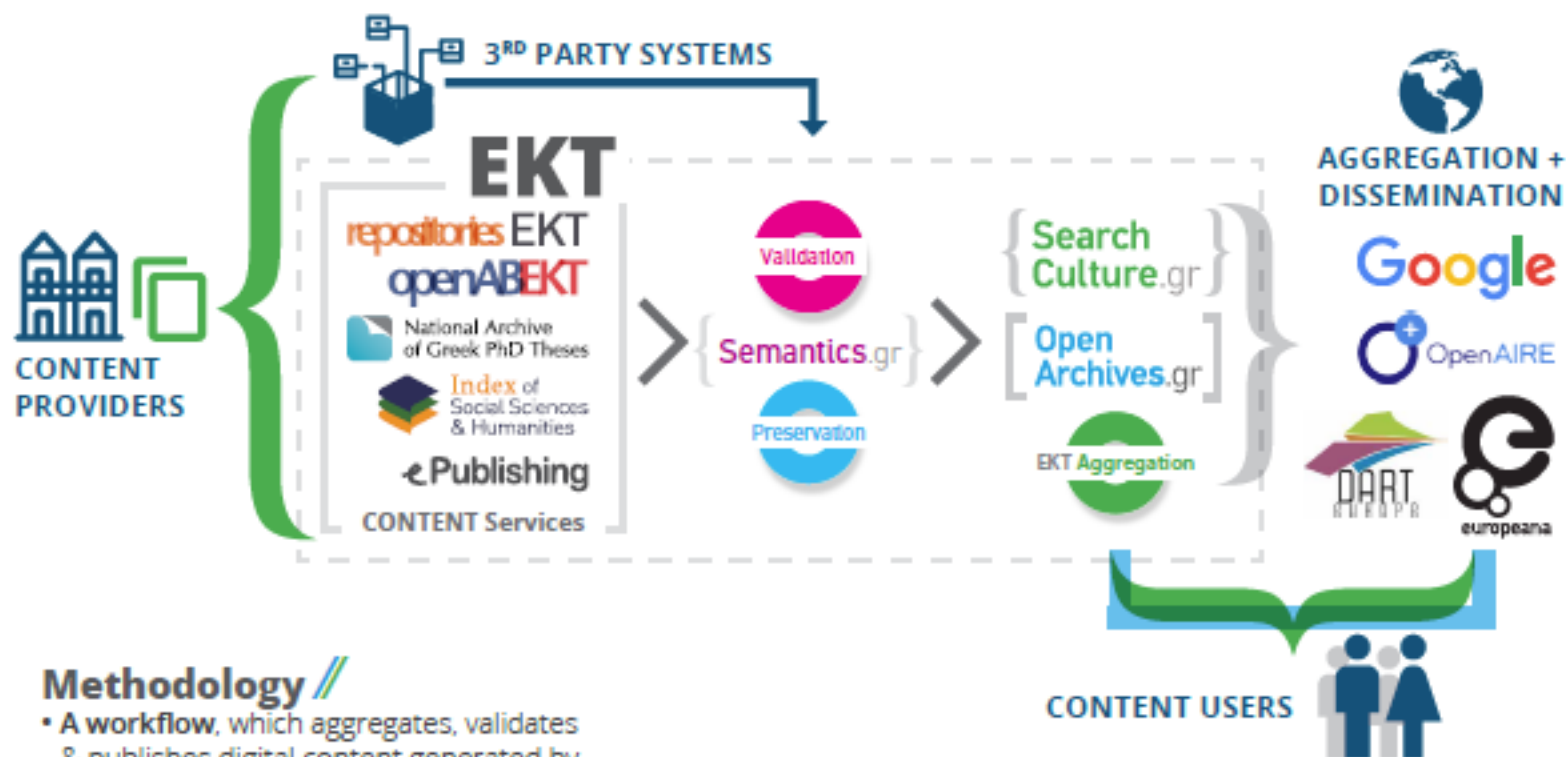


As knowledge and culture are public goods, EKT promotes the circulation of knowledge to strengthen the economy and society:





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



**Open Archives.gr**

Science content in the digital public space

Explore the scientific production of an array of organisations and discover articles, journals, PhD theses etc for every scientific discipline.

Natural Sciences  
Health sciences  
Social Sciences Law

**Search Culture.gr**

Greek cultural heritage in the digital public space

Explore rich cultural content from a variety of Greek content providers and discover great art, archaeology and material culture from antiquity to modernity.

Digital humanities Art  
History Archaeology

**Digital Collections**

**ανθεμίσια EKT**

Discover here digital collections in EKT repositories. A variety of content for using, learning and sharing.

25 repositories 100.000 records

**PhD Theses**

Εθνικό Αρχείο Διδακτορικών Διατριβών

Browse the National Archive of PhD Theses and get access to the PhD theses from all Higher Education Institutions (HEIs) in Greece as well as PhD theses awarded to Greek scholars by foreign HEIs and certified by the Hellenic NARIC.

38.000 Theses

723.000 records | 432.812 records

30 repositories | 130.00 records

40.000 PhD theses

**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.

32 ηλεκτρονικά περιοδικά

**Monographs**

**eBooks**

Discover open access digital monographs. Find authoritative scientific content from Greek publishers.

5 publishers 8 monographs

**Conference Proceedings**

**eProceedings**

Discover open access conference proceedings from accredited publishers from Greece.

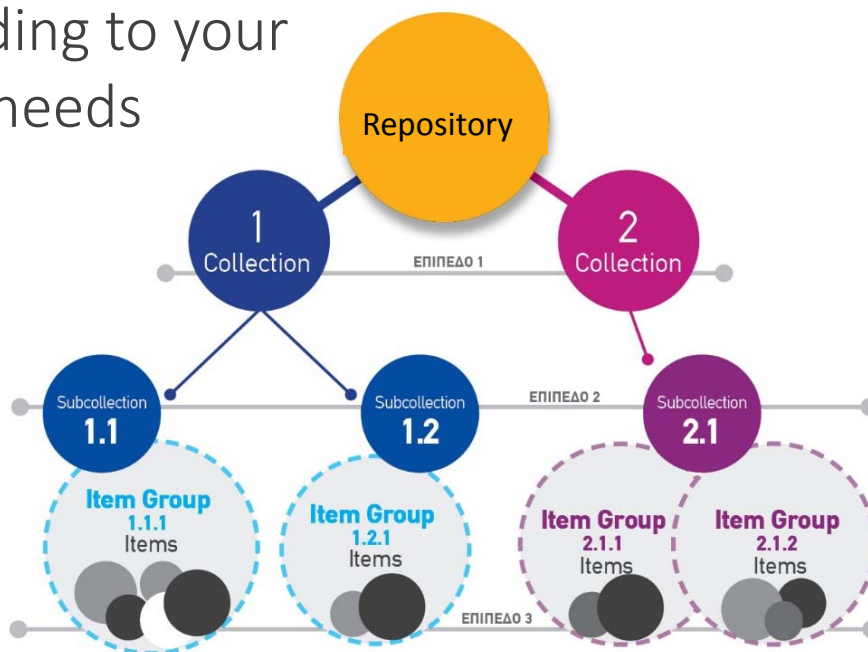
24 conference proceedings

32 journals | 8 monographs | 4 conference proceedings



# EKT's Digital Repository Service

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

**αποθετήριο TEXNH**

EDIT

TECHNI Macedonian Art Society

An archival collection of Thessaloniki's art society TECHNI, active since the 1950s.

arts

**Ευτέρπη**

ΤΡΑΓΟΥΔΙΑ ΓΙΑ ΕΚΠΑΙΔΕΥΤΙΚΗ ΧΡΗΣΗ  
ΥΠΗΘΙΑΚΟ ΜΟΥΣΕΙΟ ΑΝΘΡΩΠΙΣΜΟΥ

EDIT

Euterpe: Greek songs for schools - Digital Music Anthology

A unique digital collection of songs for the support of music teaching in Greece.

education

**MUSEUM OF CYCLADIC ART**

**Learning Resources Repository**

EDIT

Museum of Cycladic Art

In the learning repository of the Museum of Cycladic Art you will come across educational material related to the museum's permanent collection and temporary exhibitions.

Museum education  
Archaeology  
Learning Resources

**αποθετήριο Oeconomicus**

ΑΠΟΘΕΤΗΡΙΟ ΟΙΚΟΝΟΜΙΚΩΝ ΠΕΡΙΧΟΜΕΝΩΝ  
ΤΟΥ ΚΕΝΤΡΟΥ ΠΡΟΓΡΑΜΜΑΤΙΣΜΟΥ  
ΚΑΙ ΟΙΚΟΝΟΜΙΚΩΝ ΕΡΕΥΝΩΝ (ΚΕΠΕ)

EDIT

Oeconomicus, the Centre of Planning and Economic Research repository

Oeconomicus is the repository of the Centre of Planning and Economic Research

Economics and Business

**Kostas Simitis Foundation Repository**

EDIT

Kostas Simitis Foundation Repository

The archive of Kostas Simitis Foundation.

Archive Politics

**The EPLO Law & Governance Archive**  
ePublicLaw

EDIT

European Public Law Organization (EPLO)

In the Law & Governance Archive "e-PublicLaw" you will find academic content about Public Law and Governance.

Law

**Η Ζωφόρος του Παρθενώνα**  
Αποθετήριο

EDIT

The Parthenon Frieze repository

The repository offers documentation of the Parthenon Frieze and is designed to support the learning experience of the [www.parthenonfrieze.gr](http://www.parthenonfrieze.gr) interactive site.

Archaeology

**ΑΠΟΘΕΤΗΡΙΟ ΕΛ/ΛΑΚ**

EDIT

FOSS repository

Content produced by the Greek Free / Open Source Software Society as a result of activities related to Free Software, Open Hardware and Open Content.

Computer and Information sciences

**αποθετήριο Υψηλής Συντήρησης Μνημείων Ακρόπολης**

EDIT

Acropolis Restoration Service

Documentation of the Erechtheion restoration and conservation works.

Archaeology

**Το σεντούκι των e-στοριών**

Ψηφιακές αφηγήσεις τοπικής ιστορίας από τις Σέρρες

EDIT

e-stories repository

An oral history repository for a local history community project from Serres.

oral history

**Αποθετήριο του Παρατηρητηρίου της Προέλευσης και Μετανάστευτικής Κρίσης στο Αιγαίο**

EDIT

Observatory of the Refugee and Migration Crisis in the Aegean

In this repository you can find digital content relating to the refugee and migration crisis in the Aegean.

Social Sciences

**ΑΠΟΘΕΤΗΡΙΟ εκπαιδευτικού περιεχομένου για την Ακρόπολη**

EDIT

Acropolis Restoration Service

Educational content about the Athenian Acropolis.

Archaeology

**ήλιος**

Επιχειρησιακό Πρόγραμμα «Εκπαίδευση και Δια Βίου Μάθηση»

EDIT

Helios, National Research Foundation

Institutional repository of the National Research Foundation, which collects and disseminates its scientific output.

Humanities and Social Sciences  
Natural Sciences

**Ψηφιακή Βιβλιοθήκη**

EDIT

eDull Repository

Varied educational content.

education

**ΠΑΝΔΕΚΤΗΣ**

Ψηφιακός Θησαυρός Πρωτογενών Τεκμηρίων Ελληνικής Ιστορίας & Πολιτισμού

EDIT

Pandektis

Repository of the National Hellenic Research Foundation with their digital collections of Greek history and civilization.

humanities

**ΕΘΝΙΚΟ ΣΥΣΤΗΜΑ ΥΠΟΔΟΜΩΝ ΠΟΙΟΤΗΤΑΣ**

EDIT

National Quality Infrastructure System (NQIS)

Rich content regarding National Standards, Metrology and Accreditation.

Economics and Business

**Εργάνη**

Ιστορικό Αρχείο Αιγαίου

EDIT

The Historical Archive of the Aegean "Ergani"

Archival collections about local history, life and entrepreneurship in north Aegean in the 19th & early 20th centuries.

Archive

**αποθετήριο Ασκληπιός**

Ινστιτούτο Αποθετήριο Επιστημών Υγείας Ασκληπιείου Βούλας

EDIT

Asklepios- Institutional Repository for Health Sciences of Asklepieio Voula

Institutional repository of General Hospital "Asklepieio Voula".

Medical and health sciences

**ΑΠΟΘΕΤΗΡΙΟ ΘΕΟΦΡΑΣΤΟΣ**

EDIT

Theophrastus Repository

Discover the scientific output of the Institute of Mediterranean and Forest Ecosystems, focusing on Forest Research and environmental issues.

Natural Sciences  
Environmental sciences

**Αρχειο Εμπορίου & Επιχειρηματικότητας**

**Αποθετήριο ΕΣΕΕ**

EDIT

Repository of the Hellenic Confederation of Commerce and Entrepreneurship

Documented archival material of the Confederation of Commerce and Entrepreneurship.

Finance  
Economics and Business

**Σωτήρη Κακίση**

**ΑΠΟΘΕΤΗΡΙΟ αρχείου Σωτήρη Κακίση**

EDIT

The Sotiris Kakisis Archive

The Archive repository documents more than 30 years of interviews with arts, science, business, politics and sports Greek and international personalities.

Communication and Information sciences

**Ψηφιακή Βιβλιοθήκη**

EDIT

edull Digital Library

Educational content produced through the Operational Programs "Education and Initial Vocational Training" (1997-2006) and "Education and Lifelong Learning" (2007-2013)

education

**αποθετήριο Ι.Α.Π.Ε.**

Ιστορικό Αρχείο Προσφυγικού Ελληνισμού Δήμου Κολακωβιάς

EDIT

The Historical Archive of Refugee Greeks

The Historical Archive of Refugee Greeks of the municipality of Kalamaria in Thessaloniki.

Archive



## 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

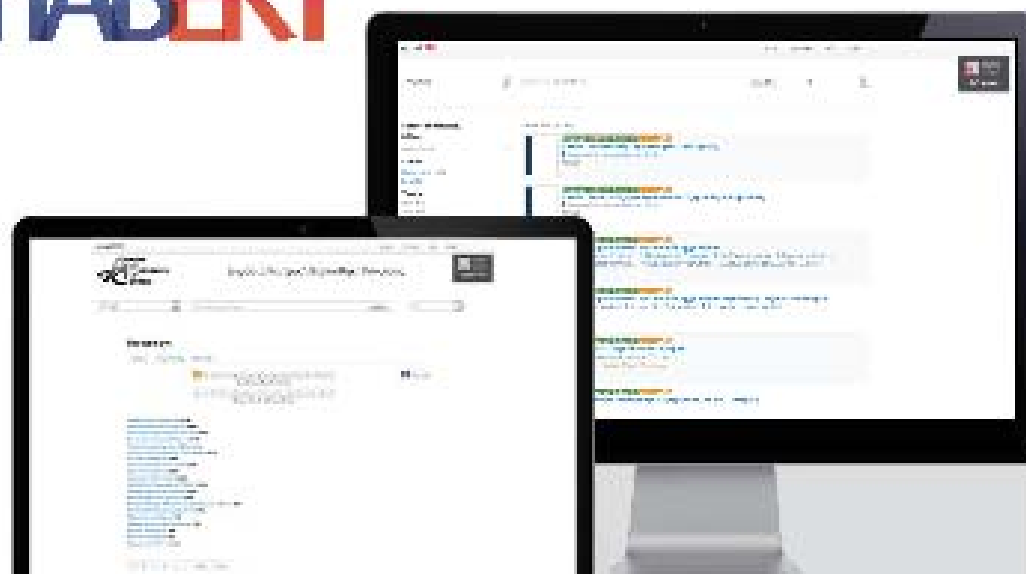


## Results

### Library Catalogues

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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



eJournals

2007

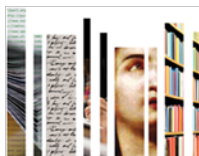
eBooks

2015

eProceedings

2016





ePublishing

epublishing.ekt.gr

Scientific journals

eJournals

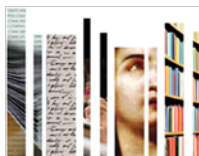


Browse, search and view electronic open access journals in a variety of formats and languages. They are published by scientific organisations and cover a wide range of subjects both SSH and STEM fields.

38 eJournals

14.000 articles





ePublishing

epublishing.ekt.gr

Monographs

eBooks

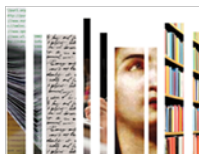


Discover open access digital monographs. Find authoritative scientific content from Greek publishers.

6 publishers

9 monographs





ePublishing

epublishing.ekt.gr

## Conference Proceedings

# eProceedings




Discover open access conference proceedings from accredited publishers from Greece.


**24** conference proceedings















National Archive  
of PhD Theses

**National Archive  
of PhD Theses**



**EKT**  
ΕΛΛΗΝΙΚΟ ΚΕΝΤΡΟ  
ΤΕΛΕΜΑΤΟΛΟΓΙΑΣ  
ΚΑΙ ΤΕΛΕΜΑΤΟΛΟΓΙΑΣ  
ΚΕΝΤΡΟ  
A A+ EL

**Search**  
  
**Advanced Search**  
 **Home**  
 **Browse**  
Discipline  
Date  
Author  
Country  
Language  
Degree Grantor  
 **Open Data**  
 **About EADD**  
 **Theses Submission**  
 **FAQ**  
 **Helpdesk**  
 **Contact us**  
**Login**  
  
  
  
**Remember / Connect password**

**Welcome to the National Archive of PhD Theses**

The National Archive of PhD Theses provides access to the PhD theses from all Higher Education Institutions (HEIs) in Greece as well as PhD theses awarded to Greek scholars by foreign HEIs and certified by the Hellenic NARIC.

The National Documentation Centre of Greece (EKT) is the organization responsible, by law, for the collection, development and maintenance of the National Archive of PhD Theses.


Search in 41.774 theses

or by keyword


**Discipline** **Date** **Author** **Country** **Language** **Degree Grantor**




Please **register** if you wish to:

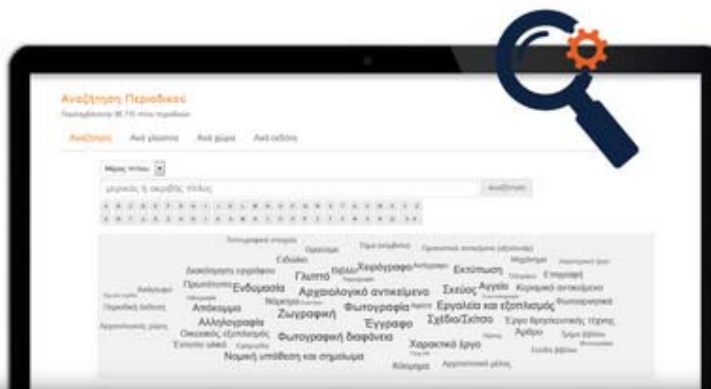
- Download PDF file of PhD Theses
- Order online and receive the full text
- Express your interest for the online availability of a phd thesis

**metrics**  
RESEARCH · DEVELOPMENT · INNOVATION  
Careers and Mobility of Doctorate Holders in Greece

**41.860 Theses**

**Open Access Map**  


**Useful links**  
Εθνικό Γενικό Αρχείο Επιστήμης και Τεχνολογίας  
Openaccess.gr  
Hellas - NARIC Repository  
Pandektis  
Research and Innovation  
**RSS** 1.0 2.0  
**Follow EKT**  
  



ΕΥΡΕΤΗΡΙΟ  
ανθρωπιστικών &  
κοινωνικών επιστημών  
**griss.gr**

**90** / **26.000**  
Περιοδικά / Άρθρα

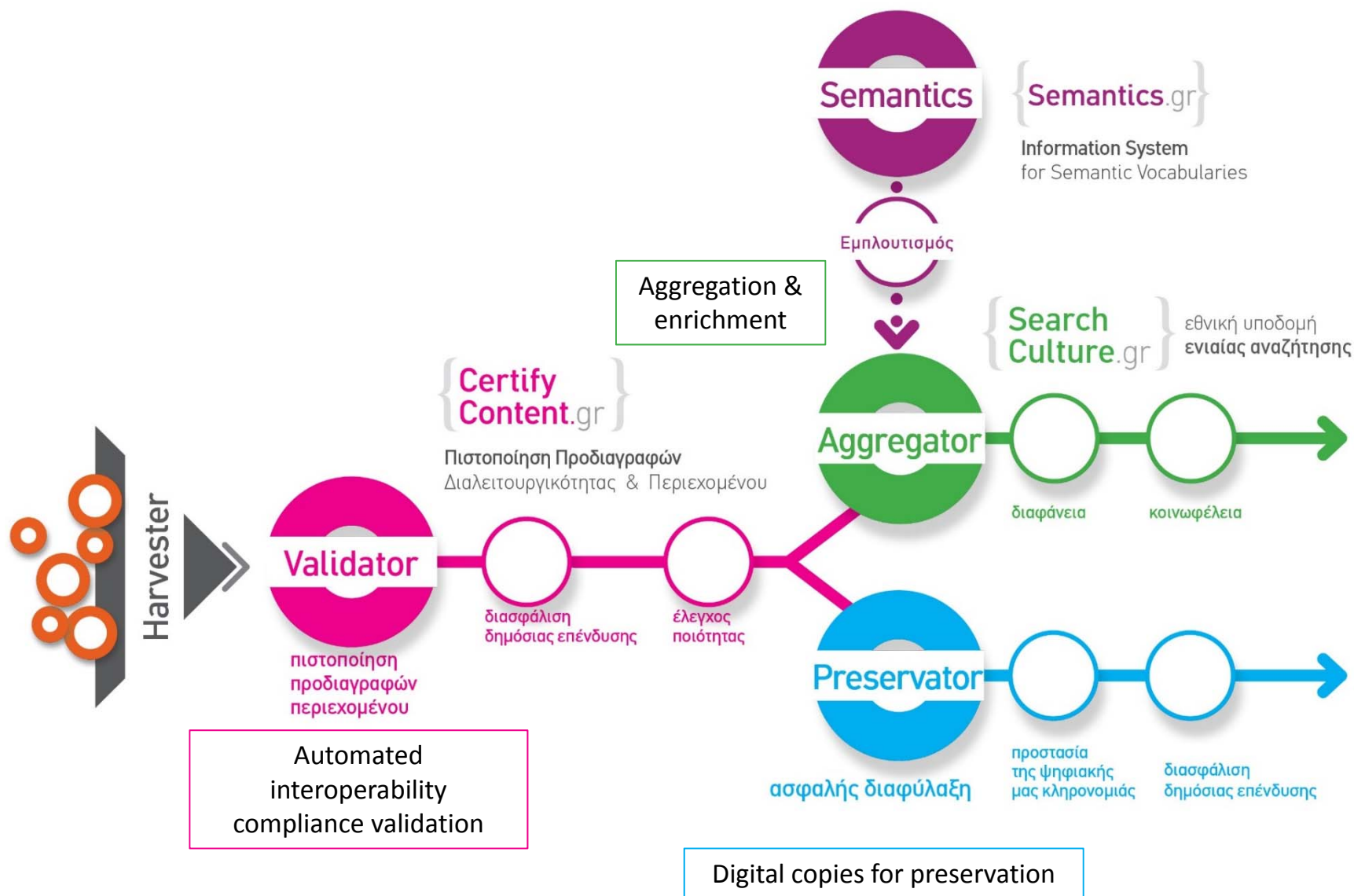
Έγκριτα ελληνικά περιοδικά διαθέσιμα  
από ένα σημείο πρόσβασης!

The Greek Index of Social Sciences and Humanities (griss.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







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](http://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



Greek science content  
in the digital public space



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.

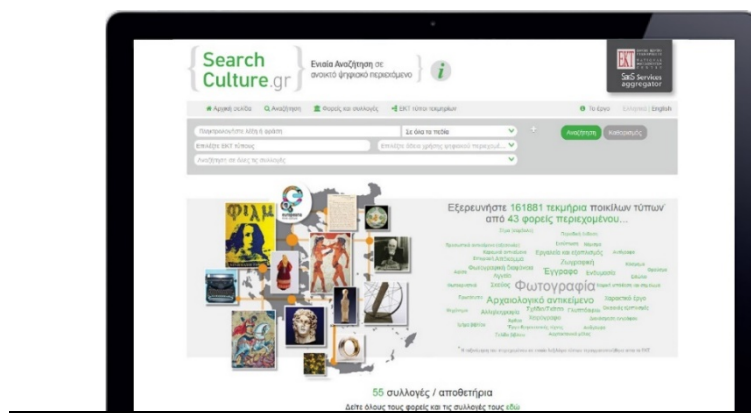
**488.235** records on SearchCulture.gr

**750.227** records on OpenArchives.gr





{ Search  
Culture.gr }



- 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**





# eContent.ekt.gr

## digital content & services

### eContentEKT

Discover  
digital content



### eContentEKT PRO

Discover our services

35  
YEARS

1000+  
COLLABORATIONS

1.000.000+  
RECORDS

### eContentEKT

Greek science & cultural heritage open for all to use for  
research, inspiration & learning.





ΕΘΝΙΚΟ ΚΕΝΤΡΟ  
ΤΕΚΜΗΡΙΩΣΗΣ

N A T I O N A L  
D O C U M E N T A T I O N  
C E N T R E

[www.ekt.gr](http://www.ekt.gr)

Εθνικό  
Κέντρο  
Τεκμηρίωσης

National  
Documentation  
Centre