



ΕΘΝΙΚΟ ΚΕΝΤΡΟ  
ΤΕΚΜΗΡΙΩΣΗΣ

NATIONAL  
DOCUMENTATION  
CENTRE

NATIONAL DOCUMENTATION CENTRE

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REPORT

2016/17

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access to knowledge





2016/17 REPORT

NATIONAL DOCUMENTATION CENTRE



*access to knowledge*



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ΤΕΚΜΗΡΙΩΣΗΣ  
NATIONAL  
DOCUMENTATION  
CENTRE

## NATIONAL DOCUMENTATION CENTRE | EIE

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## FOREWORD



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Over the past few years, the National Documentation Centre has taken a particular direction which has led to innovative public services, a robust e-infrastructure and widespread recognition by national and international communities. Implementation of our objectives and recognition of our achievements made both 2016 and 2017 extremely critical years for us. The new programming period (2016-2022) may be one of dynamic changes and major challenges but there are also great opportunities for development. Our strategic goals for this period, therefore, are based on discussion with our institutional partners and our user communities for the mutual benefit of all.

The collection, organisation, dissemination and exploitation of Greek scientific and cultural output, its national and international promotion, the systematic mapping and documentation of Greek research, development and innovation activities and the enhancement of the innovative potential of Greek businesses through knowledge transfer are the key goals which determine our operation, targeting and ultimately our effectiveness.

Through the creation of a trusted, technologically advanced and sustainable national content and data infrastructure, we have bolstered our catalytic role in the transition to a Knowledge Society. Over the two years 2016-2017, public services were completed and made available to a large number of bodies, introducing advanced technologies in organising digital content and in turn its dissemination and reuse, ensuring interoperability with other search systems while dealing with the issue of digital preservation. With our establishment as national aggregator of cultural content, we developed

a single access and search site for scientific and cultural information, using Open Access policy for the availability of content.

At the same time, we consolidated our position as the central institution and reference point for the measurement and documentation of data on the Hellenic Research, Technology, Development and Innovation System. In 2016-2017, we intensified our efforts, with regular actions and publications, to create a 'culture of numbers' (a culture of data collecting and making use of data when determining future policy) for policy makers, and those generally interested in Greek research and development activities.

We enriched our indicators with data on highly skilled human resources, a major comparative advantage of the country and a key pillar of national policy. We contributed data to the formulation of evidence-based policies for the optimum use of human resources and, through our new programme 'Knowledge and Partnership Bridges', we highlighted the existing research/business opportunities that contribute to personnel staying in the country and eventually leading to the return of personnel.

We continued to expand our targeted services, information campaigns and counselling to exploit the knowledge generated in the country, strengthen research and innovation, and transfer technology and research results into viable and competitive business models in the public and private sectors.

Finally, it would be remiss not to mention the key factor that made it possible to achieve our objectives: our workforce. A great number of scientists, the majority of whom are young people with expertise in different disciplines, were the driving force behind the results presented in detail in this annual report for 2016-2017. With guidance from experienced staff, these individuals contribute to the implementation of planning and development of services which enable the country to follow international developments in content, research and innovation infrastructures.

Dr Evi Sachini | **Director, National Documentation Centre**





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Every social activity is now accompanied by the generation of an exponential volume of data produced and available through the generalised integration of computational and communication technologies into the totality of our material environment.

These data are not just by-products, but data that will be incorporated deliberately into the society (re)formation process.

This explosive volume of data and the shaping of society go hand in hand. This means that democracy, as a prerequisite of collective prosperity and equitable and sustainable development, depends on how we utilise this volume of data.

A crucial concept at this stage is the concept of documentation. Documentation means the transformation of data into something useful. When it comes to the National Documentation Centre, this means useful for society as a whole.

The National Documentation Centre is the organisation that has been given the great responsibility of transforming a dangerous chaos of data into precious order, through documentation, a necessary process for the most critical uses but also open and available to all.

The role of the National Documentation Centre is becoming increasingly indispensable in the shaping of both public and private sectors in such a way as to promote an economy with social justice and sustainability. EKT not only enriches existing activities but also introduces new ones, constantly upgrading its infrastructure so as to support new ideas.

It contributes decisively to shaping standards and supporting diversity, preventing repetition of projects and the profligate use of public resources and is a springboard for each decentralised innovation. It provides infrastructures and services without exception, for young and established researchers, small and large investors, major ministries and small businesses, libraries and chambers, individuals and networks.

Dr Aristotle Tympas |  
**Professor, History and Philosophy of Science, National and Kapodistrian University of Athens, President of the Scientific Council of the National Documentation Centre**

# THE NATIONAL DOCUMENTATION CENTRE

## Innovation.EKT.gr

services for networking, partnerships, growth

## eInfrastructure

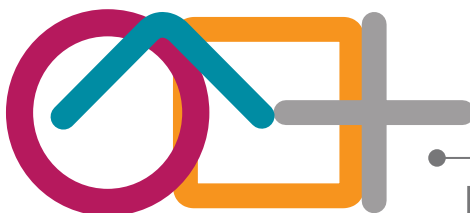
Infrastructure and people

## eContent.EKT.gr

digital content and services

## Metrics.EKT.gr

Indicators & statistics for Research, Technology, Development, Innovation



The **National Documentation Centre (EKT)** operates as a national infrastructure collecting, aggregating, documenting, and preserving all Greek scientific, research and cultural output (content and data) making it available for dissemination and reuse at home and abroad.

The main purpose behind EKT's birth as an organisation was 'documentation', that is, the collecting of processed data ('evidence') to record the progress of the Greek research, innovation and cultural ecosystems. In an era dominated by digital data, the availability of accurate 'documentation' has become an essential factor enabling research, business and education. The amount of available digital data is growing exponentially; the more data there is, the more data that can be reused and fresh data generated.

The process of collection, dissemination, reuse, production of new data, collection and so on forms a virtuous cycle. At EKT, we have the required expertise to keep this cycle functioning at an optimal level, making us an invaluable nationwide infrastructure. Organisations do not exist in a vacuum; together they constitute an ecosystem; producing and exploiting the available data within that ecosystem. For that reason, members of an ecosystem must recognise the value not only of utilising existing content but also adding new content to this store to be reused by other members of the ecosystem. Thus strengthening the position of contributors as well as the ecosystem, society and the economy as a whole. As networking is integral to achieving such a model, our expertise and experience puts us in a unique position to act as a catalyst in fostering such an approach.

To achieve this, we provide public services customised to the needs of our user communities, providing tools which not only meet the needs of organisations but also

facilitate their integration into networks, where, working together, they can begin their digital transformation and enable the improved exploitation of their outputs. Such services and tools ensure that user needs are met, while fresh data is fed back into our infrastructure, making it available to be reused by others.

In addition, we operate the National Information System for Research and Technology, offer a wide-range of information on research and innovation topics, support the participation of Greek research communities in national and European programmes, promote innovative entrepreneurship and exploitation of research results, and produce statistics and indicators for research, development and innovation in Greece.

In order to operate effectively and efficiently, we have developed three pillars of activity: Digital content (eContent), RDI Indicators and Statistics (metrics) and Innovation and Entrepreneurship (innovation). The effective functioning of the pillars depends on our infrastructure, technology and human resources to ensure that the generated or existing knowledge is utilised to its fullest extent and will be reused in research and education.

We are constantly expanding our network of partnerships with producers of authoritative scientific and cultural content (such as libraries, archive, museums, research centres) and are currently involved in a wide range of activities both in Greece and Europe.

The activities and services are financed by own or public funds (national, European or co-financed programmes), most of which is invested in the development of infrastructure and expertise with medium to long-term benefit for research, entrepreneurship and culture.

## Our Vision

a virtual cycle of shared existing and new knowledge with minimal restrictions on its reuse in research, education, development, innovation and society

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## Our Mission

- the collection, aggregation, documentation, dissemination and preservation of quality digital content and data produced by Greek scientific, research and cultural communities
- the measurement of output and results of the Research, Development, Innovation (RDI) system enabling comparison with European and international equivalents
- the better exploitation of research results and the promotion of innovation for public sector reform, economic growth and solving societal issues
- the seamless functioning of the national electronic infrastructure, ensuring friendly access to reusable, authoritative information, the collection and availability of data and the production of RDI indicators, and the provision of a range of services for research, academic, educational and business communities

## THE MOST SIGNIFICANT ACHIEVEMENTS OF THE TWO YEARS

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During 2016-17, we undertook the implementation of a series of major nationwide projects, while simultaneously continuing participation in European projects and networks.

A new central site was developed, [econtent.ekt.gr](http://econtent.ekt.gr). It plays the role of a directory to enable discovery of the entire digital content aggregated and/or documented by the National Documentation Centre.

**EKT Repositories** and **OpenABEKT** services, which were developed using in-house expertise, were made available as **public services** to libraries, archives, museums, universities and research centres for the management and distribution of open data and content, using cutting-edge technologies.

The [openarchives.gr](http://openarchives.gr) portal was upgraded to allow a single search of scholarly content available from a variety of authoritative organisations.

[SearchCulture.gr](http://SearchCulture.gr) was established as a national cultural content search portal and as National Aggregator for the European Digital Library, strengthening the Greek presence in Europeana by increasing Greek content available through it.

In 2017, we were appointed an agency and national authority of the Hellenic Statistical System, making us responsible for the production of official indicators for Research and Development and for Innovation in business. At the same time, we continued our co-operation with the Hellenic Statistical Authority, Eurostat and the OECD. In addition, we completed the transition to open source software.

We implemented five nationwide statistical surveys of a large number of organisations and published indicators for R&D expenditure and personnel, national funding for R&D (GBARD indicator), innovation in business and Greek scientific publications.

Our series of intelligence reports was enriched with 13 new studies, which included analysis and indicators highlighting key aspects of domestic research activities and Greek participation in Horizon 2020. With 2,473 Greek participations from the private and public sector and approximately 738 million euro approved funding, it is clear that Greece has a long term interest in European competitive programmes for research and innovation.

We contributed to knowledge about the Greek innovation system, exploiting data collected, participating in international organisations which shape methodology for measurement and evaluation, implementing empirical studies, organising workshops and conferences, and enhancing public debate.

In 2017, we undertook the implementation of the 'Knowledge and Partnership Bridges' initiative, in co-operation with the General Secretariat for Strategic and Private Investment, Ministry of Economy and Development. Using the latest technology, the initiative aims to map, inform and bring together the country's highly-skilled human resources, whether within the country or abroad, to create collaborative ties with multiple benefits, for both the individuals and the growth of Greece

We completed the assessment and evaluation of the 1st phase of the NSRF action 'Acquisition of Academic Teaching Experience for Young Doctorate Holders'.

We were active in promoting innovation and entrepreneurship, supporting innovative SMEs (as co-ordinator of Enterprise Europe Network-Hellas) and providing a suite of services (as National Contact Point for Horizon 2020) for Greek research groups aiding their successful participation in European research programmes.

We were at the forefront of innovation ecosystem development, playing a key role in providing public reciprocal services to institutions, businesses and researchers.

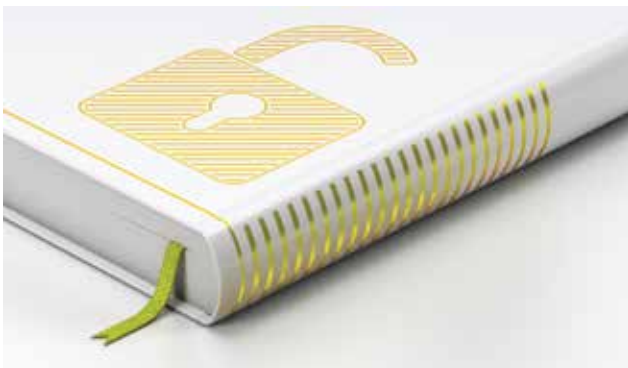
We offered advisory support to approximately 800 businesses and researchers, as well as public bodies, promoting research activity and the development and exploitation of innovation by businesses.

27 research collaborations and 6 commercial collaborations resulted from our counselling sessions and discussions held on the shaping of profiles for business and research groups based on EEN-Hellas data.

## AN 'OPEN' INSTITUTION

We are actively involved in shaping the national strategy for Open Science and Open Access

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Keeping abreast of international developments in open science, open data, free software and e-publishing, and recognising the multiple benefits of open access, we are actively involved in the shaping of national strategy for open science and open access.

In 2003, we were the first organisation to sign the Berlin Declaration for open access to the findings from the Natural Sciences and Humanities and since then have supported all the initiatives of the open access movement, recognising its multiple benefits for society.



**eContent.EKT.gr**

digital content and services

All the activities of this pillar converge to support a comprehensive national infrastructure that promotes science, training, education and entrepreneurship based on knowledge, technology and the expertise of EKT's personnel, while following international trends and practices.

Having completed a long process of developing a national infrastructure for the collection, aggregation and dissemination of scientific, technological and cultural digital content in the years 2016/17, and remaining faithful to our vision of 'dissemination with minimal restrictions of existing and produced knowledge', we focused on:

- the development of two web portals which allow search and retrieval of content - searchCulture.gr for cultural content and OpenArchives.gr for scientific content.
- the completion/integration of openABEKT and EKT Repositories and their public availability to organisations for which they were designed (libraries, archives, museums), strengthening the Greek stock of knowledge in the public digital space.
- new partnerships with leading cultural and scientific institutions with the aim of increasing open digital content.
- the creation of a new central site eContent.ekt.gr which collates the digital content and services we offer.
- the active involvement in formulating national strategy for open science and open access.

At the National Documentation Centre, we do not produce content, but accumulate and disseminate the content produced by cultural and scientific institutions, in order to maintain and reuse it.

By the end of the two years 2016/17, we had worked with 51 prestigious cultural institutions that supply the content for the SearchCulture.gr portal and 60 scientific institutions that supply the content for the OpenArchives.gr search portal. Additionally, 24 organisations received the EKT Repositories service and 59 the openABEKT service. Lastly, we concluded 34 partnerships with publishers who received our ePublishing service. We constantly enrich our network of partners, with new organisations whose content we trust, indicating the potential of culture and science and the key role it plays in creating a public digital space

# 1 WE PROVIDE

a single search space and access to reputable information sources, contributing to research, education and lifelong learning

In 2016/17 we created a new website, [econtent.ekt.gr](http://econtent.ekt.gr) as a directory to facilitate discovery of all our collected and aggregated digital content, Greek scientific output and cultural heritage. The enrichment of library content and services continued, giving access to new sources of information and opening new knowledge paths for research.

Two new platforms, [openArchives.gr](http://openArchives.gr) and [searchCulture.gr](http://searchCulture.gr), were developed for easier access to scientific content and cultural content.





## ENRICHING LIBRARY COLLECTIONS

The **EKT Digital Library of Science, Technology & Culture** provides online access to thousands of open Greek and international journals, books, databases and PhD theses. The entire digital content is directly accessible for user-members from the 'K.Th. Dimaras Library' at the National Hellenic Research Foundation.

In 2017, 1,965 new **PhD theses** were added, 2,727 bibliographic records for PhD theses were published and full texts of 2,162 theses were made available online. By the end of 2017 the number of full text PhD theses available online in the Greek National Archive of Phd Theses came to 35,192.

In 2017, 3,600 new articles from 207 volumes/issues of 11 journal titles were added to the **Social Sciences and Humanities Index** (GRISSH). In total, there were 30,000 articles from 90 journals available in the index.

In 2017, some 3,320 entries in the National Union Catalogue of Scientific Journals (ESKEP) were identified and quality checked. At the end of 2017, ESKEP included bibliographic data for 98,682 scientific journals, printed and electronic, from 201 Greek libraries.

The **Helios Repository** hosts organised digital content with open online access to a wealth of scientific work carried out by the National Hellenic Research Foundation (NHRF). 181 new bibliographic records were added, bringing the total to 7,580 digital documents.

In 2017, **BIBLIONET**, the bibliographic database providing updates on new book publications in Greece and operating under the Hellenic Foundation for Culture was transferred to the EKT cloud infrastructure, ensuring unhindered public access.

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

## DIGITAL CONTENT AND SERVICES



A unified search space providing access to reputable information sources enables us to contribute to research, education and lifelong learning, while enabling organisations to share and promote their digital scientific, technological and cultural content.



## WE OFFER

public reciprocal services to content providers, showcasing the store of Greek knowledge in the digital public space

In 2016-2017, upgraded capabilities for locating and exploiting digital content were made available to user communities and partner organisations.

Of particular significance was the completion of the public reciprocal services: EKT Repositories, openABEKT and EKT ePublishing. Providing scientific and cultural organisations with these services is expected to contribute to the exponential increase in content available for use.

Services were developed following the SaaS model and offered online through our cloud infrastructure, ensuring lower operational costs for organisations, while providing safe preservation of content.

# repositories EKT

*By the end of 2017  
we had developed,  
in co-operation with  
other institutions,  
19 repositories.*

'EKT Repositories' is a public reciprocal service of the National Documentation Centre which aids the organisation, documentation and projection of digital content. This service is available along with a suite of complementary services providing support, training and guidance for the editing of content. Through the services, organisations with quality scientific and cultural content are able to organise, manage and make available their material on digital platforms in the EKT cloud.

The service is mainly designed for cultural and educational organisations such as museums and libraries wishing to document and promote their content using modern ITC.

It uses an innovative automatisisation web platform to meet the requirements of each organisation.

It features advanced search, navigation, deposit and documentation of material, sharing capabilities and supports interoperability protocols for sharing and reusing content.

In 2016-2017, new functionalities were added for easier use by organisations

The online Wizard, for example, allows users to design their repositories themselves, in accordance with their own needs, as well as produce their own statistics/ data. Documentation forms of different content types were updated and enriched and particular emphasis was given to the documentation of works of art.

By the end of 2017: we had developed, in co-operation with other institutions, 19 repositories through which approximately 100,000 records in total were published and 8 repositories were under development.

In 2016-2017, we completed the development of 5 important repositories.

Organisations receiving our repository service promote their digital content, resulting in their increased impact in Greece and abroad, while the public gain access to prestigious digital content, which can be used in research, education and lifelong learning.



*By the end of 2017,  
openABEKT hosted  
67 library catalogues.*

The openABEKT service is the cloud upgrade of our popular ABEKT software for libraries, which we began developing in 1986. Its goal is to enhance the digital transformation of Greek scientific and cultural institutions. It offers a modern SaaS-delivered infrastructure for cataloguing, documentation, content dissemination and material circulation and is accompanied by a network of individual support services, training and content editing. It became available as a public reciprocal service in 2017 and mainly caters for the needs of libraries, museums, archives and educational institutions with increased content management needs and complex functions. The content of organisations receiving this public reciprocal service is boosted, giving different user communities the chance to utilise it for the benefit of science, research, the economy and society.

The goal of the service is two-fold: to serve the needs of the organisations receiving it and, in turn, enable them to meet the needs of their own users.

As an online platform for management and open distribution lists and library functions, openABEKT offers a wide range of customisation possibilities for the organisations using it. All the content which is collected and documented in each of a library's catalogue is fed into the openABEKT Union Catalogue, which collects, indexes and presents in real time and in a single GUI, the documents of all organisations using openABEKT. By the end of 2017, openABEKT hosted 67 library catalogues.

In 2016 & 2017:

- functions were added to support interoperability between different catalogues
- standard vocabularies Names/Titles were developed
- new fields were added to the indexing of data etc.
- data migration subsystem was upgraded
- interaction of libraries receiving the service was made easier.

# ePublishing

*9 new journals,  
the proceedings from  
3 conferences and  
2 monographs were added  
by the end of 2017.*



Our ePublishing service targets prestigious publishers who wish to publish scientific journals, monographs and conference proceedings electronically. As a public reciprocal service, it accelerates the transition of publications to an electronic environment, provides open access to content for all stages of publication and enhances scientific communication. This transition leads to prestigious publishers introducing technology into their publishing and distribution process, reducing production costs, ensuring effective dissemination of their publishing efforts and maintenance of digital files etc.

Transferring authoritative printed scientific publications to an electronic form strengthens academic communication in the country, promotes Greek scientific output and ensures greater dissemination and exploitation of knowledge, particularly in terms of publishers adopting open access policies.

With a cutting-edge platform offering high quality and technical specifications, the service hosts eJournals, eBooks and eProceedings and it is accompanied by training and support services (eHelpdesk) for publishers.

2016-2017 was a fruitful period for our e publications, with new collaborations, capacities and content.

- Our platform hosting scientific journals was upgraded to use a more recent version of Open Journal Systems software to improve management of the e-publishing process from submission to online publication and indexing.
- 9 new journals, the proceedings from 3 conferences and 2 monographs were added.
- e-Journals platform included 31 e-journals with 10,500 articles.
- e-Proceedings platform included 4 conference proceedings with 900 presentations.
- ebooks platform included 8 monographs from 5 publishers.

# WE DOCUMENT

scientific and cultural content and disseminate the knowledge generated by the country

We make full use of the Information Society in the digitisation and documentation of existing or new knowledge generated by cultural organisations and scientific bodies, the goal being safe and long-term preservation of content and its creative reuse by different user communities.

Cultural, historical and scientific records such as books, manuscripts, musical scores, maps, museum exhibits, paintings, sculptures, cultural institution files and scientific publications are digitised and made available on the web. However, in order for the files to be interoperable and discoverable by search engines so as to be easily used by different user groups, the key requirement is documentation.

## DOCUMENTATION AND EDITING OF DIGITAL CONTENT

Our skilled and fully trained staff carry out documentation and semantic curation of content and data collected, aggregated and/or transitioned from the systems of the organisations to our information system in order to be reused. For this purpose, we have created glossaries, taxonomies and thesauri to allow semantic enrichment of information and subsequent semantic interface. To achieve this, we have developed the semantics.gr platform, in which authorised organisations enter, establish and interconnect vocabularies or use them for meaningful linking of data. All documentation offers added value to digital files, as it ensures compliance of metadata with each platform and the necessary steps are taken to meet the requirements for including the material in international aggregators such as Europeana. Thus, compliance of content with international requirements, upgrading and quality enrichment is achieved, enabling reuse by different user communities. Content and data is collected in the information infrastructures we maintain (National Archive of PhD Theses, HELIOS. Library catalogue, e-publishing platform, Humanities and Social Sciences index, OpenArchives, SearchCulture, Union Catalogue openABEKT, ESKEP, ARGO).



# WE WIDEN

our institutional partnerships and participate in national and European initiatives

Keeping abreast of international trends means we fully understand that only if knowledge generated on a national level is shared, will it be used for the benefit of society and the economy. An outward-looking approach, through co-operation and networking on national and international levels, and raised awareness of openness policies are necessary conditions for the effective dissemination of knowledge.

The strengthening and expansion of institutional collaboration aims to provide organisations with services for content availability, enhanced digital skills of their staff and better awareness of current topics in the international arena such as, among others, open science and the management of scientific data.

In this direction, we actively participated during 2016-2017 in national networks and European initiatives with the goal of exchanging know-how to shape a single open research environment.

In 2016-2017 we paid great attention to cultivating a network of institutional partners from all over the country.

We also participated in flagship European and national initiatives and activities aiming at the effective alignment of our practices with European good practices, and the networking of content and services through the European e-infrastructures.



## GOALS 2018/19

Fulfilling our mandate as a national infrastructure, we will continue to collect digital scientific and cultural content, actively contributing to the development of a Digital Public Space for the most effective dissemination of digital content produced through public funding.

The goal for the coming years is to increase the content which is available in Europeana with the scope to promote Greek cultural heritage in the best possible way. It is worth pointing out at this point that, until recently, Greek heritage content represented only 4-5% of the total of European cultural content, documented in Europeana. Through our targeted efforts, this percentage will increase significantly.

In line with international best practice, we will continue to lead and cultivate a culture of open access content so that the cultural and scientific output is open to the public and becomes digital public good. At the same time, through exemplary activities, lobbying and campaigns on key issues and training in the use of our infrastructure, we aim to increase the digital skillset of our partner organisations workforce and communities of practice, such as librarians, publishers, researchers, young researchers and doctoral students, among others.

Having adopted major European research policies, we will seek participation in European projects aimed at the most comprehensive content integration and the promotion of the European Open Science Cloud, an environment providing European researchers across the continent immediate access to content for reuse and to services.



**Metrics.EKT.gr**

indicators & statistics for Research,  
Technology, Development, Innovation

The National Documentation Centre is the 'point of reference' for quality statistics and indicators on the Greek Research, Development and Innovation (RDI) ecosystem. Our goal is to provide policy makers, organisations and citizens with reliable data and knowledge that meets their needs, thus contributing to the shaping of a functional Greek RDI ecosystem.

2017 was a landmark year for EKT as the organisation was officially appointed as a national authority and agency of the Hellenic Statistical System.

In 2016-2017:

- We fully met key requirements such as extended use of information systems for the collection and processing of data, use of administrative data, application of new measuring methodologies for RDI, and certification and approval of the relevant statistics produced under the Hellenic Statistical System.
- We produced statistics and indicators for RDI, documenting the research, technology, development and innovation dynamics of the country and provided valuable data for policy makers and stakeholders developing policies.
- We brought out studies and reports showing the dynamism and competitiveness of Greek research and technological activities, helping to further motivate productivity among RDI researchers, organisations and institutions.
- We focused on indicators for young scientists, beneficiaries of the NSRF actions 2014-2020, recognising that the highly-skilled human capital is the leading comparative advantage of the country, and, if utilised wisely, can contribute to curbing brain drain.
- We strengthened ties with strategic partners on the national and international level and signed new partner agreements allowing us to develop new ideas and data that can be exploited under mutually beneficial relationships.
- We actively participated in the public debate and discourse on RDI matters. This allowed us to further refine our goals and aims. As a result, we shared knowledge and information on such matters in the public sphere and made it available for reuse by new groups.
- We continued to develop our infrastructures for information systems and registers, while enhancing our role as 'reference source'. In addition, we increased our international presence as the dedicated authority for measuring the RDI system in Greece.

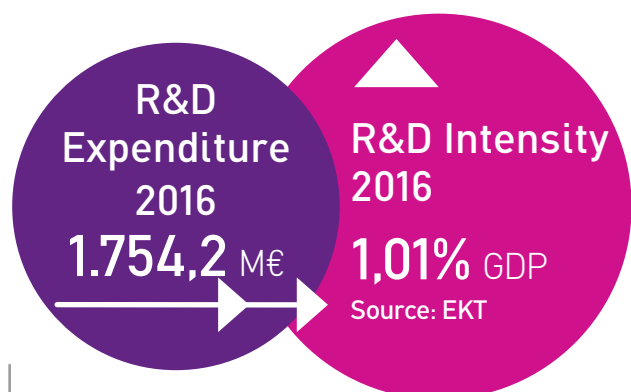
# 1 WE PRODUCE

the official statistics and indicators for Research, Technology, Development, Innovation (RDI)

Given that, in 2017, EKT was appointed national authority and agency of the Hellenic Statistical System, our mission in the area of Research, Technology, Development and Innovation, has taken on an even more dynamic character, enhancing our capacity to impartially and effectively serve the needs for policy formulation and decision making, research and debate.

In 2016-2017, following the highest European and international standards for statistical methodologies, we carried out five nationwide statistical surveys. These surveys sought to collect data from a large number of public, private, organisations. Subsequent RDI indicators on R&D expenditures and personnel (GBARD indicator), innovation in business and Greek scientific publications were published.

## INDICATORS ON EXPENDITURES AND PERSONNEL IN RESEARCH AND DEVELOPMENT



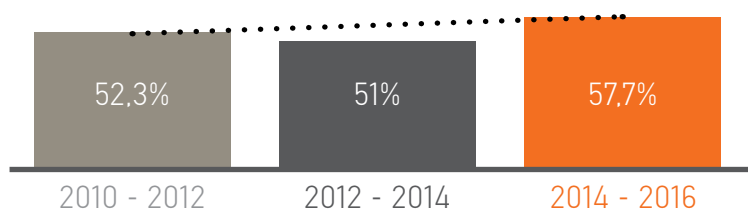
*One of the five key indicators of the Europe 2020 strategy is the “R&D intensity” of a country, measuring R&D expenditure as a percentage of GDP.*

Indicators for Research and Development are a key pillar of the national statistics.

- The two surveys conducted in 2016 and 2017, collected data on Research and Development expenditures and personnel from all organisations carrying out R&D activities in Greece in all sectors of the economy: business, higher education, government and private non-profit institutions. This involved more than 2,000 organisations listed in the extensive R&D registers we develop and regularly update. The statistical surveys were carried out in co-operation with the Hellenic Statistical Authority (ELSTAT).
- In 2016 we published the main indicators for R&D expenditures and personnel for 2014 as the reference year.
- In June 2017, the final statistics for 2015 were published and transmitted to Eurostat, along with analytical details on funding sources, type of R&D (basic research, applied research, experimental development), gender and educational level of personnel, discipline and regional distribution of R&D activities. The final data were published in a special report and became available in dedicated data tables.
- In October 2017, we published the preliminary data on the main indicators for R&D expenditures and personnel for 2016 as the reference year.
- For the fifth consecutive year, and having collected data from all government funding bodies (Ministries, General Secretariats and Regions), we transmitted the official statistics for the Greek Government Budget for Research and Development (GBARD) for 2016 to Eurostat.

## INDICATORS FOR INNOVATION IN GREEK BUSINESSES

Indicators for innovation in Greek businesses are another key tool in formulating national development policies. As part of the Hellenic Statistical System, we are able to demonstrate the extent to which domestic enterprises incorporate innovative processes and methods, thus contributing overall to the improvement of the country's relationship with innovation. Community Innovation Survey (CIS)



INNOVATION IN GREEK ENTERPRISES

Source: EKT

- In 2017, we published the results of the nationwide survey of innovation in Greek businesses for the 2012-2014 period which was conducted as part of the Community Innovation Survey (CIS) undertaken by all EU member states. It included almost 14,000 businesses in industry and services with 10 or more employees, and was the second of such surveys we have overseen in this area, the first covering the 2010-2012 period.
- The published data were transmitted to Eurostat. The data referred to included the innovative activities of businesses, the introduction of new products to the business and the market and partnerships entered into by innovative businesses.
- In particular, we investigated matters of increased interest such as the participation and position of Greek innovative businesses in global value chains, partnerships between Greek innovative businesses and universities and research centres for the commercialisation of their research results, etc.

## GREEK SCIENTIFIC PUBLICATIONS 2000-2014

Continuing our production of statistics for Greek scientific publications, which began in 2000, and using the Web of Science data base, we published the report 'Greek Scientific Publications 2000-2014: Bibliometric Analysis of Greek Publications in International Scientific Journals-Web of Science'.

By producing bibliometric indicators, we assist the research and academic communities to assess the originality of their scientific work through the impact of its publication. Addressing the links between this data and data on specialised human resources provides the opportunity to draw useful conclusions on the scientific excellence of the country.



## WE CARRY OUT

studies and publish updates for the complete mapping of the RDI system

We carry out and publish studies which improve the understanding of the national innovation system, highlighting specific aspects of RDI issues. This contributes to the public debate and brings to light new dimensions in important emerging concepts such as evidence-based policies, open science, open innovation, knowledge triangle etc.

During 2016-2017, we produced more than 20 publications, studies, working papers.

## THE KNOWLEDGE TRIANGLE IN GREECE



Our 2016 report, 'Research, Education, Innovation. Dimensions of the Knowledge Triangle in Greece', was published as part of the working group pilot 'Innovation and Technology Policy' and the OECD's Committee for Scientific and Technological Policy.

Given that the 'knowledge triangle' is internationally considered a vital tool in understanding all the aspects of innovation and, as such, a key factor in the economic growth of European countries, we have undertaken the task to analyse aspects of it in Greece, emphasising the contribution of universities and research centres.

## R&D TAX INCENTIVES IN GREECE

In 2017, a report on 'R&D Tax incentives in Greece (2010-2014)' was published. The report included data on the Greek government's tax incentives designed to support businesses conducting research and development. As the first examination of the value of these tax breaks for the period 2010-14, by industry and by company size, it gives essential insight into the impact of such incentives.

## GREEK PARTICIPATION IN HORIZON 2020

We operate as National Contact Point for Horizon 2020, supporting the participation of Greek organisations in the programme and covering all stages of research projects, from preparation of proposals to exploitation of research results.

In 2017, we published 6 new studies, which included analysis and indicators highlighting vital aspects of the country's research activities and Greek participation in Horizon 2020

During 2016-2017, we brought out a study on Greek participation in the 7th Framework Programme and 16 new studies relating to Greek participation in Horizon 2020 programmes for scientific excellence, industrial leadership and societal challenges.

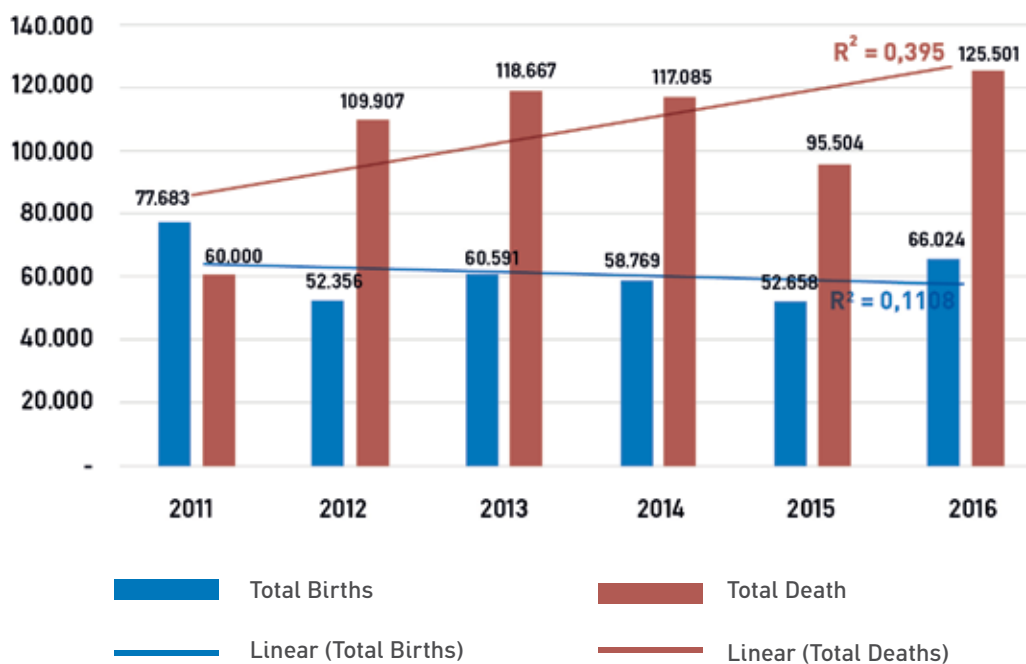
There was successful Greek participation in the Horizon 2020 programmes for which we are National Contact Point. In most of the programmes where Greek organisations received funding, the success rate of proposals was considerably higher than the European average.



## DEMOGRAPHY OF HIGH TECH BUSINESS IN GREECE: ANALYSIS OF BIRTHS AND DEATHS 2011-2016

The objective of the study published in 2016 was to present a picture of the high tech sector in Greece by recording the number of births and deaths of businesses, using statistical data from the General Electronic Commercial Registry (G.E.MI).

The long term data for the 2011-2016 period were examined, while the grouping of the sector follows Eurostat classifications for the high tech industry.



**Source:** EKT/ Business demography in the high-technology sector in Greece. Analysis of births and deaths over the period 2011 to 2016.



## WE MAP

highly-skilled human resources

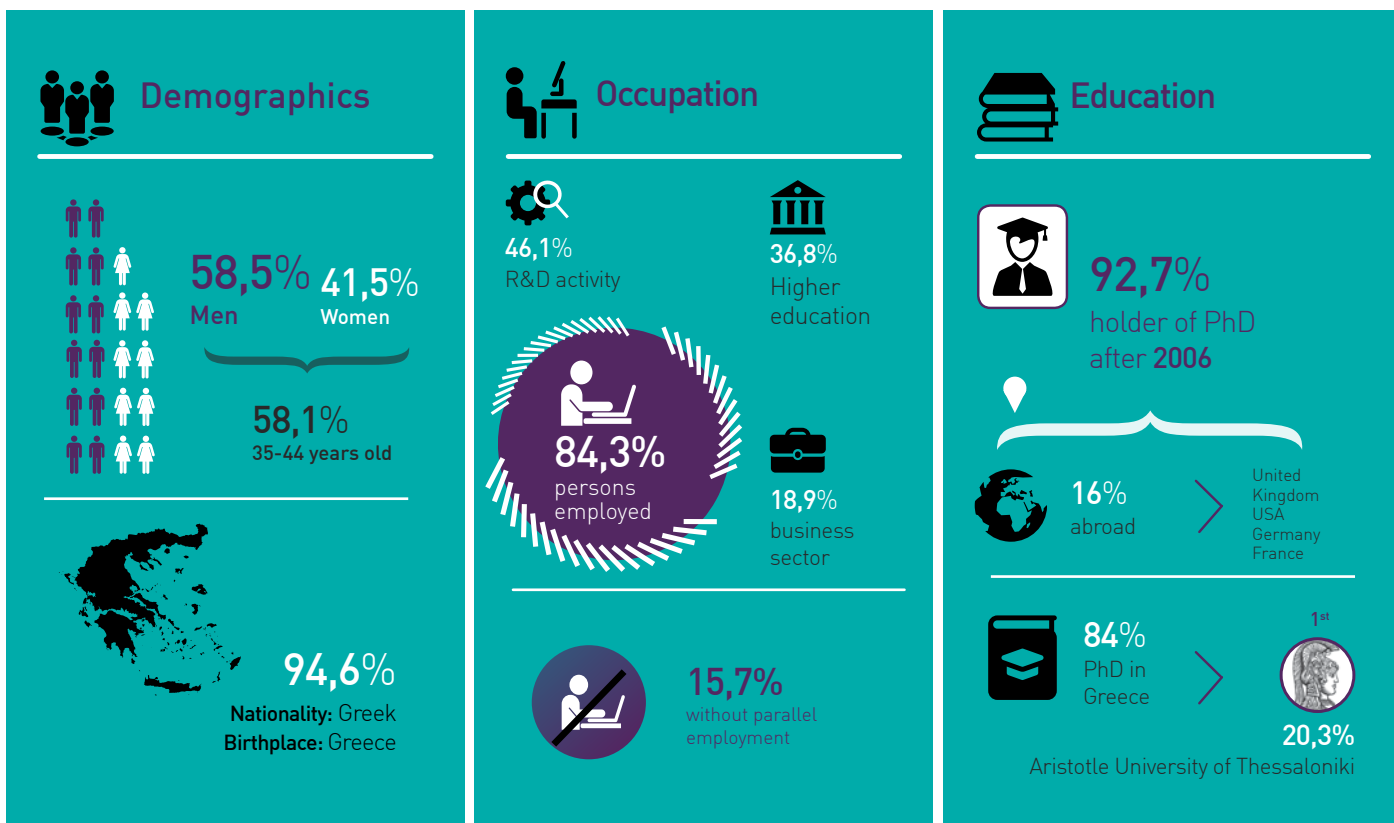
Identifying the mobility and skills of the highly educated human resources is central to Greek national policy owing to its vital contribution to the country's growth.

In producing indicators, studies and surveys on the country's highly-skilled human resources, we contribute data to the formation of policies for the best possible use of human resources in inhibiting the Brain Drain and its consequences.

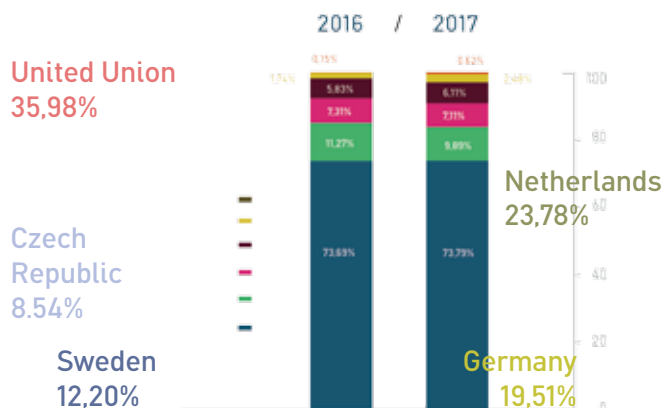
## ASSESSMENT OF THE 1ST CYCLE OF THE ACTION: “Acquisition of Academic teaching experience for New Scientists”

In 2017, we completed the assessment and evaluation of the 1st cycle of ‘assessment of the 1st phase of the action: Acquisition of Academic teaching experience for New Scientists which is part of a project implemented by the Special Secretariat for the Management of Sectoral OPs of the European Social Fund (ESF) of the Ministry of Economy and Development.

Our findings show that roughly half of the scholarship holders did not consider going abroad to acquire academic teaching experience, while the vast majority were satisfied with their choice. Clearly, human resources constitute a critical ‘weapon’ for the country, operating as a ‘multiplier’ in the development of a knowledge-based economy.



## MAPPING HIGHLY SKILLED HUMAN RESOURCES LIVING ABROAD through the 'Knowledge and Partnership Bridges' Initiative



Countries of residence of Greeks abroad who filled in the questionnaire.

The 'Knowledge and Partnership Bridges' initiative, implemented by EKT and planned by the General Secretariat for Strategic and Private Investment, Ministry of Economy and Development, was launched in August 2017.

It aims to map the characteristics and professional dimensions of the actions of highly skilled Greek human resources abroad. To achieve this, a questionnaire was made available for completion in September 2017.

The mapping carried out is expected to prove a valuable tool for the deeper understanding of the brain drain and its individual aspects.

You can find more info at [www.knowledgebridges.gr](http://www.knowledgebridges.gr)

## MAPPING GREEK ACADEMIC PRESENCE ABROAD

In 2017, we collaborated with ELSTAT on a first attempt to map the Greek academic presence abroad during the period 2008-2015.

We created an interactive digital environment with information on the number of Greek researchers worldwide, by country and by year. Mapping was carried out following a combination of data on scientific publications by Greek scientists, the institutions where they worked, the countries and the time of publication.

## DOCTORATES FROM GREEK UNIVERSITIES

As young doctorate holders are recognised as playing a vital role in Research, Development and Innovation, we have used the data collected from the National Archive for PhD Theses, which we have officially maintained since 1985, to produce indicators showing the key features of this group.

We enhance strategic partnerships at national and international levels.

As the national authority producing RDI statistics and indicators, we establish systematic partnerships with public administrative bodies and organisations active in R&D.

These partnerships allow us to obtain valuable information and data for our studies and the dissemination of our aggregated research results to those organisations, leading to the opening up of new avenues in the public debate and the understanding of research and development issues.

These partnerships are with:

- institutions that shape policies (policy makers -Ministries and Regions)
- organisations providing data (public administration, public research bodies, businesses etc)
- central administration institutions with which we co-operate for the collection of administrative data such as the Ministry of Education, Research and Religious Affairs, the Ministry of Culture, the Ministry of Health etc



# WE STRENGTHEN

our co -operations and we sign new strategic partnerships in Greece and abroad

In 2017, we signed a memorandum of co-operation with the General Secretariat for Industry, Ministry of Economy and Development that targets joint initiatives and actions for research, technology and innovation, the use of RDI indicators and other actions of Enterprise Europe Network. This co-operation will lead to more evidence-based policy-making for innovation at national level.

In 2017, having signed a memorandum of co-operation with the Small Enterprises Institute of the Hellenic Confederation of Professionals, Craftsmen and Merchants (IME GSEVEE), we collaborated on the broader subject of collection, formulation and dissemination of RDI statistics, and the general business environment..

We continued to strengthen our co-operation with the Institute of Scientific and Technical Information of China, (ISTIC) in the area of scientific and technological information and the promotion of science and technology with representatives from China visiting our premises in 2016 and 2017. The main characteristics of the national R&D and Innovation systems of both Greece and China, especially the actions related to enhancing academic communication on an international level, the widest possible dissemination of knowledge and information on the scientific output of the two countries., the application of open access policies and the effort made for a better understanding of science in society were covered.



# WE DEVELOP

our information infrastructures, we enrich our registers and systematise our procedures

As an agency and authority of the Hellenic Statistical System, we are committed to the continuous development and formation of the operational environment (information infrastructure, expertise, procedures) for the collection of data and the production of reliable national RDI statistics to fulfil the obligations of the country and meet national strategic objectives.

The infrastructure for the collection of data, production and publication of RDI indicators incorporates international best practices covering all the stages of producing statistics: methodology, registers, data from administrative sources, processed data, output indicators, standardised storage, security and data protection, application of anonymisation procedures, transmission to Eurostat, wide availability of results and detailed tables, publications and interactive visualisations of indicators.

# WE CONTRIBUTE

to the understanding of innovation systems on the international level by taking part in scientific conferences and international committees

We actively participate in scientific conferences and international committees, thus enriching public discourse with new aspects essential for the understanding of the innovation process in Greece and Europe, while enhancing an outward-looking approach.

Our regular involvement means we can promote the Greek position and interests in matters of research, innovation and development, thus contributing to the alignment of Greece with international practices and the transfer of new knowledge within the country.

## PARTICIPATION IN WORKING GROUPS AND INTERNATIONAL COMMITTEES ABROAD



Owing to our excellent collaboration with Eurostat and other international organisations such as the OECD, the European Commission and the National Statistical Ministries of the other EU member states etc, we are in a position to reliably represent Greece in applying the Commitment on Confidence in Statistics, which was signed by the Greek government and the European Commission in 2012.

### Frascati manual

In 2015, the new version of the Frascati manual (2015) 'Guidelines for Collecting and Reporting Data on Research and Experimental Development, the Measurement of Scientific, Technological and Innovative Activities' was published. In 2016-2017, we participated in Eurostat task forces and working groups for the proper implementation of R&D statistics produced by EU member states. We also participated in pilot and feasibility studies on producing new indicators.

### Oslo Manual

In 2016 and 2017, as a member of National Experts on Science and Technology Indicators (NESTI), we participated in the fourth revision of the manual, with the aim of promoting its importance as a conceptual source and practical guidance for the provision of data, indicators and quantitative analysis of innovation.

### Research for innovation

Along with another 5 statistical bodies, we were involved in Eurostat working groups designing the CIS 2018 questionnaire. The main issues addressed by these groups were the development of the official Oslo manual and the revision of the Frascati manual.



*Meeting of Working group of National Experts on Science and Technology Indicators (NESTI), OECD, Paris*



## GOALS 2018/19

We will develop a new electronic questionnaire for Research and Development statistics and state budget appropriations for R&D (GBARD indicator), which will incorporate the new Eurostat guidelines for the adoption of the new Frascati Manual 2015 and will be more user-friendly.

We will launch a new series of statistical publications on doctorate holders who have graduated from Greek Universities, using data from the National Archive of PhD Theses-which, by law, we maintain.

Recognising the continuously increasing interest of businesses and institutions in tax related issues, we will expand our data analysis on R&D fiscal incentives.

EKT will monitor and assess the following public intervention mechanisms relating to different categories of young scientists: "Acquisition of Academic Teaching Experience for New Scientists", "Strengthening human research potential through implementation of doctoral research", "Strengthening post-doctoral researchers", "Strengthening research teams among young scientists" as introduced and financed by the Managing Authority (MA) of the Operational Programme "Development of Human Resources, Education and Lifelong Learning of the Greek Ministry of Economy and Development (MED).

We will expand our collaboration with institutions (Education Ministry, Ministry of Culture and Ministry of Health) that are in possession of administrative data through the interoperability of EKT's statistical information systems with the existing e-government information systems.

We expect to further increase the availability of data to which we have access e.g. eCorda database, National Archive of PhD Theses) and administrative data from RDI funding bodies (such as the Monitoring Information System NSRF 2014-2020).

We aim to create a single infrastructure of registers that interconnects all information systems; we will provide customised and specialised reports and visualisations through our Business Intelligence systems.

Greater participation in the Eurostat and OECD working groups will ensure immediate uptake of methodological developments and will explore important issues of modern research ecosystems and their interactions.



**Innovation.EKT.gr**

services for networking,  
partnerships, growth

The National Documentation Centre promotes innovation in many ways. First, it maintains an institutional role as a National Contact Point for Horizon 2020, supporting researchers and entrepreneurs in preparing competitive proposals to improve their chances of gaining EU funding. Furthermore, it plays another key role as co-ordinator of the Greek node of Enterprise Europe Network, one of the most important networks of business support, helping Greek businesses to go global and develop new international partnerships.

We collaborate with and provide high level services to a large number of organisations and businesses, enhancing their capacity to innovate, network, exploit funding opportunities and improve their entrepreneurial position. In addition, we link research organisations and businesses for the exploitation of innovation in the Greek and international economy.

We respond to the issues concerning Greek SMEs with services tailored to their needs. We monitor the Greek research and innovative performance and support the development of the whole of the innovation ecosystem.

We generate valuable knowledge about the structure, organisation and functioning of the innovation ecosystem and ensure its dissemination with documentation, comprehensive monitoring and analysis of all aspects of innovation production and exploitation in the country.

In 2016-2017, we played a leading role in enhancing innovation by way of providing public services supporting organisations in the ecosystem. More specifically, our services supported researchers, research organisations

and businesses, while, at the same time, we enhanced knowledge uptake through the provision of the services below:

- (a) information service for research and innovation funding and exploitation
- (b) advisory service for funding and exploiting innovation and international business development
- (c) networking service for research, business and technological partnerships, as well as vital contacts and links.

Capitalising on these services, business and research groups secured funding for the implementation of research and business projects and the promotion of their activities internationally.

We also, produced and codified knowledge on the innovation ecosystem for public policy making, while contributing to and producing new knowledge on international networks in which we participate.

# 1 WE PROVIDE

accurate and timely expert information on funding opportunities, exploitation of research results and enhancement of innovation

We play an institutional role in informing the Greek research and academic communities and SMEs on research, innovation and entrepreneurship issues, offering an integrated, public reciprocal information service.

As National Contact Point for individual programmes, particularly Horizon 2020 programmes, we actively participate in the National Contact Points networks. As co-ordinator of EEN-Hellas, the Greek node of Enterprise Europe Network (EEN), our information service is fundamental to our mission and institutional obligation.

We provide these services by organising or participating in information events, participating in international networks or seminars, disseminating electronic and printed updates, publishing journals and targeted newsletters and our staff conduct briefing seminars with business or research organisation.

Information covers the following:

- funding opportunities for research and innovation by research organisations and businesses
- enhancing cooperation and exploiting of results between research organisations and businesses
- management issues of innovative businesses
- boosting international co-operation and international business activities, especially within the EU market.

## INFORMATION AND TRAINING



In 2016-2017, we organised and/or co-organised 32 well attended information and training sessions in Greece. 19 of these were co-organised under EEN-Hellas.

### INFORMATION SESSIONS AND DISCUSSIONS

- 1 During 2016-2017, we provided personnel from the private sector and/or research organisations and researchers with customised information through specific information sessions or by telephone and email. We held a significant number of these sessions in our capacity as National Contact Point for Horizon 2020. We held 691 sessions and information discussions, the vast majority leading to mentoring sessions, as co-ordinator for EEN-Hellas. See appendix for other actions in programmes such as EIT Health or Inno4Agrifood.
- 2 As National Contact Point for Horizon 2020, we held 120 live and/or online briefing sessions, 1,900 discussions via telephone and email for all the programmes we are National Contact Point for.
- 3 In our role as the information hub of EIT Health and EIT Health KIC support services and programmes, we conducted more than 50 briefing sessions and discussions via telephone and email. Owing to the effective briefing and support of interested parties, Greece has the highest number of participations along with Italy in the Innostars and Catapult EIT Health competition, while achieving distinction with the social business Humane.

## REPORTS ON PERFORMANCE OF GREEK RESEARCH ACTIVITIES

We publish biennial reports on the performance of Greek researchers, organisations and businesses in individual thematic areas of Horizon 2020.

## CONTRIBUTION TO INTERNATIONAL INFORMATION ACTIONS



As National Contact Point Horizon 2020, co-ordinator of EEN-Hellas and partner in international projects, we organised or co-organised 15 international information actions and training seminars for researchers and businesses.

### Collaboration with EEN-Hellas and National Contact Point for the Maria Skłodowska Curie (MSCA) programme

EKT led the creation and management of the co-operative network between Enterprise Europe Network and National Contact Points for the Maria Skłodowska Curie (MSCA) programme, through the programme Net4Mobility.

### Workshop for networking and the exchange of knowledge and experiences between EEN personnel and National Contact Points for Health

In October 2016, we took on the leading role in planning and organising the first Workshop for networking and the exchange of knowledge and experiences between EEN personnel and National Contact Points for Health. The objective was to further strengthen support for businesses receiving funding from Horizon 2020, their capability to utilise research results for their business development and the opening of new markets. The Workshop was acknowledged as a model for use in other business activities that EEN provides support to.

### Fit For Health Training Actions

In 2017, under the project Fit For Health, we co-organised a series of training actions and webinars on support for research proposals and implementation of research projects in Health within Horizon 2020.

Through these actions, training was offered and methods and tools were presented for all aspects of the 'innovation cycle' of a European project. Businesses and researchers were supported at all stages of their health-related research projects, from initial planning of the project, creation of consortia, drafting the proposal, management of the project and effective utilisation of results.

### Workshop for Cascading Grants under the Ideal-ist project for the support of the National Contact Points network, ICT Horizon 2020

In 2017, we successfully organised the Workshop for Cascading Grants as part of ICT Proposers Day, Horizon 2020 ICT networking event, with more than 100 participants.

## ELECTRONIC AND ONLINE UPDATES



To ensure continuous and systematic updates on matters concerning the innovation ecosystem, we make use of all the latest means for the dissemination of information.

More specifically, during 2016-2017:

- we sent out 68 monthly thematic newsletters on funding opportunities and support programmes to selected research and business sectors
- we posted 92 articles on [www.ekt.gr/en](http://www.ekt.gr/en) covering topics of innovation, most of which were disseminated through EKT' and EEN-Hellas' social media (Facebook, LinkedIn, Twitter)
- we published 9 articles authored by our personnel electronically and in print form
- we made available 9 video recordings of talks/speeches made by our personnel on issues of the innovation ecosystem.



# WE PRODUCE

new knowledge with the participation of our personnel in international networks and the use and codification of field experience

In 2016-2017, we produced valuable new knowledge in support of the innovation ecosystem.

We systematically train our personnel, particularly through participation in international networks, so as to acquire vital knowledge, which, in turn, is used to enhance the quality of services we provide.

We produce and present first-hand knowledge through publications, informational guides and information material with open access for the use of stakeholders and in training courses.

Newly generated knowledge is utilised in all other countries the network is present in.



## TRAINING MATERIAL



In 2016-2017, we developed training activities and produced independently and/or in collaboration with other organisations training material. This material can be used by businesses, business advisors and research institutions. The informational and training material covers important areas relating to

- (a) entrepreneurship and business development,
- (b) terms of funding from the most recent EU funding tools (eg SME Instrument),
- (c) funding opportunities and conditions in specific research areas (Health, ITC).



# WE OFFER

counselling for the implementation of research projects and business developments

We provide public advisory services to help businesses and research organisations to exploit available funding opportunities, seek partners and be included in research and business networks, within the country and abroad, draft and successfully submit proposals for funding, and exploit their research results. Advisory support is also provided to businesses seeking to strengthen their innovative potential, protect and exploit their intellectual property, improve their business planning and develop their business on the international level.

Advisory support is given through advisory sessions and discussions with individual businesses or researchers, as well as with regular email. Frequently, the advisory support is complemented with networking services for international research, business or technological collaborations. The counselling provided has had a significant impact on each recipient business or research group, offering them access to funding or new markets.

## COUNSELLING FOR ACTIVITIES OF RESEARCH ORGANISATIONS AND BUSINESSES

Making use of our counselling, research groups and businesses ensured funding and prominence in research projects, many of which have a social and economic impact. They also received the necessary support to join international networks.



## COUNSELLING FOR INTERNATIONAL DEVELOPMENT OF ORGANISATIONS IN THE PRIVATE AND PUBLIC SECTORS

We invest in our personnel and utilise their know-how and the information they gather within our various institutional roles and our participation in international networks such as EEN. This allows us to help businesses develop an international presence and increase exports and fund activities in international markets.



# WE CONNECT

businesses and research institutions  
and support international partnerships

We provide valuable long term services for the networking of businesses and research institutions in order to develop international research and business partnerships.

As co-ordinator of the Greek node of EEN, we enhance our networking services through the participation of our personnel in international business and researcher support networks.

We develop networking services through the international network 'Knowledge and Partnership Bridges' which is opening new prospects in networking and the development of collaboration between Greeks worldwide (see below).

## INTERNATIONAL PARTNERSHIPS

In our role as EEN-Hellas co-ordinator, we support Greek actors (businesses and research institutions) in establishing networks and links with businesses and research organisations from the other 59 countries in the network. This networking has led to a considerable number of research, technology and business partnerships.

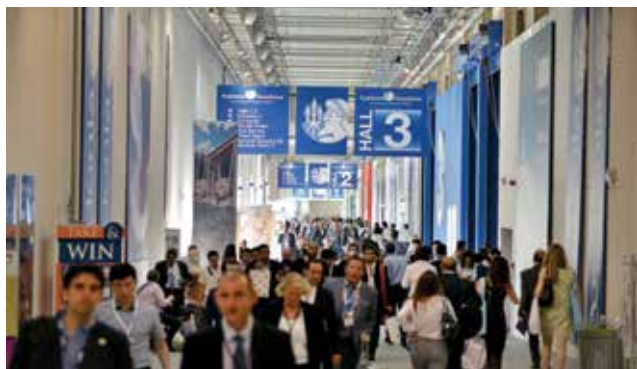
For the promotion and success of international partnerships, we conducted a large number of consultancy sessions and discussions with organisations interested in submitting a business profile.

We received 118 proposals which led to 27 research partnerships and 6 business partnerships.

## SUPPORTING INTERNATIONALISATION OF BUSINESS ACTIVITIES

We help businesses gain access to the international market through networking co-operation, continuous updates and counselling for all stages of business planning, protection of intellectual property and submission of funding proposals to programmes enhancing international business activity.

## BROKERAGE EVENTS



To strengthen international collaboration in the fields of research, technology or business, we regularly take part in organising International Brokerage events. For example, we successfully organised the Maritime Brokerage Event, Posidonia 2016.

## NETWORKING SUPPORT FOR RESEARCHERS AND BUSINESS

In 2016-2017, we participated in international networks and co-organised activities, thus contributing to the networking of researchers and businesses and the networking of stakeholders internationally.

## KNOWLEDGE AND PARTNERSHIP BRIDGES

Taking into account the multilevel causes, consequences and dimensions of the departure of highly skilled personnel from Greece (brain drain), the objective of the initiative 'Knowledge and Partnership Bridges', launched in 2017, is to counter this trend by enabling Greeks worldwide to network. The initiative is implemented by EKT and is based on a plan of the General Secretariat for Strategic and Private Investment, Ministry of Economy and Development. Using the latest technology, the initiative aims to map, inform and link the highly skilled human capital of the country and create partnerships with multiple benefits for the participants and the growth prospects of Greece.

At the core of the initiative is a platform ([www.knowledgebridges.gr](http://www.knowledgebridges.gr)) providing targeted services for the following:

- 1 **The networking** of Greek scientists, professionals and entrepreneurs within the country and abroad. The platform encourages the exchange of knowledge and experiences and successful collaboration with mutual benefits. In addition, it helps to develop dynamic links with its human resources, accelerating the 'digital return' of Greeks, which can lead to the first step for a physical return.
- 2 **Mapping**, long term observation and recording of the characteristics and the issues which concern Greeks who live and work abroad, through the conducting of scientific surveys, the results of which are fed back into the initiative.
- 3 **Systematic** and comprehensive updates on scholarships and funding opportunities in Greece in an intelligible way, as well as vital news on the economy and society to support of business and research activities, and a section on useful information for Greeks abroad.

By the end of 2017, following the platform's launch in August of that year, there had been:

- more than 90,000 unique visits from 130 countries worldwide
- registration of 300 Greeks wishing to enter partnerships with other Greeks worldwide
- mapping questionnaires had been completed by 350 Greeks living abroad
- presentation of the initiative to great acclaim at six events and conferences in Greece (two in Athens, two in Thessaloniki, one in Drama and one in Serres) and in three cities abroad (Berlin, Stockholm, Amsterdam)
- publication of 20 interviews with Greeks, whose stories give highly skilled personnel further motivation to participate in the platform.



## GOALS 2018/19

Our main objective for the next few years is to continue organising or co-organising events as National Contact Point and increase our participation in European programmes. Also, we will continue our training activities and our advisory sessions through Enterprise Europe Network-Hellas.

Our networking services in the coming years will focus on the outward-orientation of Greek firms in order to enhance the technological, research and business partnerships.

The initiative 'Knowledge and Partnership Bridges' aims to maximise the number of its users and ensure sustainability through the following principles: continuous monitoring and evaluation of activities and its impact, broad visibility, continuous dissemination and use of the services provided and their effects, maximum utilisation of available networks and developing partnerships and alliances with key stakeholders within and outside the country.



## eInfrastructure

Infrastructure and people

At the National Documentation Centre, our work disseminates knowledge for the benefit of society and for that reason we have invested in technology, infrastructure, know-how and a well-trained workforce. At the crossroad of Infrastructure-Technology-People lies our contribution to the provision of high level services for cultural and scientific organisations and society ensuring that newly generated and already existing knowledge will be exploited to the fullest and reused in research, education and entrepreneurship.

We have a cutting-edge and well-equipped Data Centre, which supports our e-infrastructures. It uses cutting-edge technologies for comprehensive coverage of events and has a fully-equipped media room for teleconferencing, seminars and training. We have the latest equipment with which to digitise any file format. We have developed and use advanced internal management tools to improve the process and for the convenience of staff, practically showcasing the emphasis given to the training of human resources and the improvement of the daily workflow.



# 1 WE PROVIDE

sophisticated services  
in our fully-equipped infrastructures

Not only does our e-infrastructure make it possible for us to respond to our institutional role, but also the demands of thousands of electronic visits it receives and the numerous organisations to which it provides services.

The infrastructure, which incorporates Green IT principles, uses physical infrastructures, automated control, monitoring and management and has high availability of multiple system arrays.

It provides integrated services for a great number of organisations and users by effectively exploiting the tools and means available for the benefit of different user communities.

## A MODERN AND WELL-EQUIPPED DATA CENTRE



The Datacentre constitutes a long term national investment in infrastructure and personnel in order to provide modern, innovative and effective services of high quality, availability and highly scalable architecture to meet the needs of organisations using it. It houses our e-infrastructures and hosts systems of other organisations using Green IT technologies to minimise environmental and financial costs.

The main Datacentre service is horizontal support for the information systems used to provide services to online users. It also supports the online applications we develop and share such as digital repositories, e-publications, registers and indexes, statistics and indicators, as well as ABEKT software and the openABEKT service. In addition, it offers hosting and support services for third parties, providing additional features (physical equipment, network, environmental conditions, stable and uninterrupted power supply, increased physical and software security etc) that give added value to the services.

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## A UNIQUE E-INFRASTRUCTURE FOR LIBRARIES, CONFERENCES AND TELECONFERENCING



High-speed wireless broadband access is available for library users and visitors to the National Hellenic Research Foundation. We use live streaming and video on demand to cover events held in the NHRF amphitheatre L.Zervas, have a video library hosting a rich collection of multimedia content (videos and photos) available at [media.ekt.gr](http://media.ekt.gr) and a cutting edge media room fully-equipped for teleconferencing, seminars and training sessions.

## CUTTING EDGE EQUIPMENT FOR DIGITISATION OF DIFFERENT TYPES OF FILES

*We digitise cultural and historical documents, contributing to their perpetual preservation for the benefit of society.*



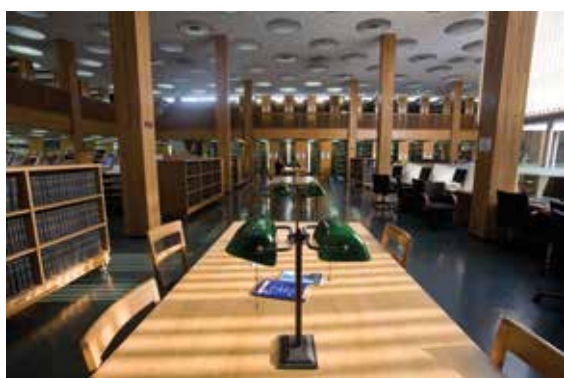
Cutting-edge technological advances now allow the electronic maintenance of virtually any file type. Cultural, historical and scientific documents such as books, manuscripts, musical scores, maps, museum exhibits, paintings, sculptures, audio and film material, are digitised and made available on the web.

Using our cutting-edge infrastructures, we digitise cultural and historical documents, contributing to their perpetual preservation and easier distribution for the benefit of society and science. State-of-the-art equipment enables digitisation of a variety of document types, materials and dimensions (bound printed material up to A2+ in size, manuscripts, maps, newspapers, diaries, photographs, negative and positive film, microfilm, microfiches, three dimensional items etc). Digitised files can then be documented and hosted in the Datacentre.

In 2016-2017:

- We intensified the digitisation work of 100 Byzantine and post-Byzantine manuscripts kept in the library of the Monastery of St. John the Theologian in Patmos, which began in 2015. The task is particularly difficult and time consuming as it requires the photographing and digitising of rare manuscripts of great cultural value, dating from the 9th to the 19th century, which cannot be removed from the Monastery library.
- Journals hosted by our ePublishing service were digitised before being included in the Social Sciences and Humanities Index (SSHJ).
- Enrichment of the National Archive for PhD Theses continued

## 'K.TH. DIMARAS' LIBRARY



The EKT Digital Library of Science, Technology and Culture provides electronic access to thousands of open Greek and international collections of journals, books, databases and PhD theses, actively contributing to the reuse of authoritative scientific and cultural content. All content is directly accessible to members from the 'K.Th. Dimaras' library. The library, one of the largest libraries for scientific and technological journals in Greece, is publicly accessible and is open to the public 12 hours a day.

# Digital Archive production



photography



digitization



recording & digitization



primary digital material and delivery of open digital content



## Content management and dissemination



Metadata



Persistent Identifier  
(Handle, DOI κλπ.)



Creative Commons



### Documentation & Management

Metadata schema for documentation  
<Unimarc, Lido, Dublin Core, EDM, ESE, CIDOC-CRM, Custom>



### User functionality

Record view / Search / Navigation / Dissemination



### Interoperability & open access digital content

OAI-PMH: oai\_dc, ese, lido, ore, edm, mets κλπ.

Open Search: SRW/SRU, Open Search, Z39-50 κλπ.

### Linked Data:

rdf, 5-star linked data, κλπ.



Milos map:  
geonames/256952



Jules\_Verne:  
wikipedia.org/Jules\_Verne



Sculpture:  
GETTY Thesaurus





## WE USE

internal management tools to simplify complex processes

- We are an example of effective management for both the public and private sectors.
- The management tools we use have been designed based on the real needs of the organisation, the human resources available, the programmes in which we participate and the services we provide. They serve two specific needs: collection of information and easy management of complex processes.
- These tools collect information and data, facilitating co-operation and direct communication between individual departments of the organisation, while simplifying complex processes, allowing better time organisation and increasing the efficiency of human resources.



# WE BELIEVE

in our personnel and invest in a high level of training

Our personnel and their education are the motivating force behind what we do. We invest in highly qualified personnel to achieve our goals and contribute to the long term preservation of knowledge.

In 2016-2017:

- Personnel increased numerically and qualitatively. The number of employees rose from 101 in 2016 to 114 in 2017 and is an indication that despite the crisis, we were able to work positively towards keeping human resources within the country.
- 52% of our staff hold master's degrees and 15% PhDs
- Our scientific staff cover all disciplines. As new technology is at the core of our strategy for 2016-2022, more than 1/3 of our personnel included computer / ICT scientists.
- All personnel speak at least one foreign language (English), 40% speak two and in 2017 almost 15% spoke three.

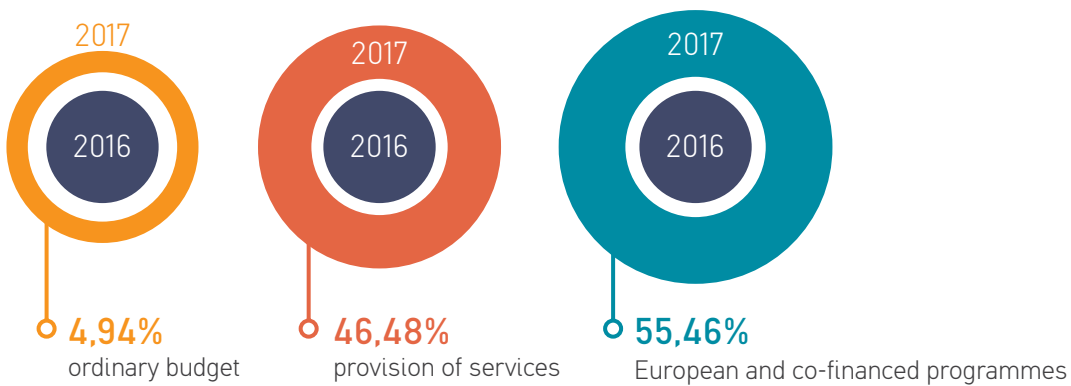
## INPUTS AND EXPENDITURES 2016-2017

Inputs for 2016-2017 increased by almost 5% in terms of the ordinary budget, 55.46% in European and co-financed programmes and 46.48% for the provision of services.

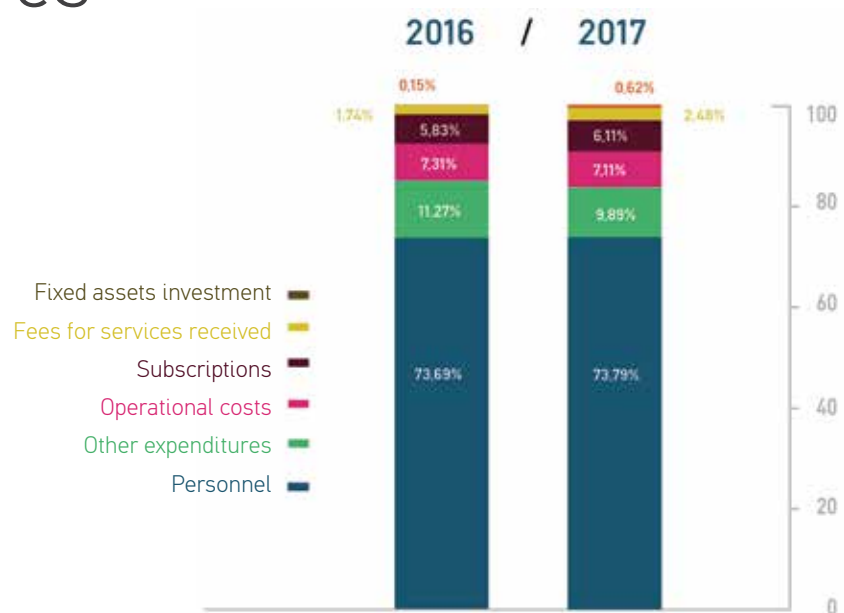
Most of our expenditures were for:

- personnel (73.8% in 2017 and 73.7% in 2016),
- operational costs (7.1% in 2017 and 7.3% in 2016). Roughly 6% of expenditures both 2016
- subscriptions (roughly 6%)
- fees for services received and fixed assets investment
- other expenditures (9.9% in 2017 and 11.3% in 2016)

## Inputs



## Expenditures



# Communication and outreach strategy

Events, publications, digital presence  
and collaboration with the media

We are simultaneously involved in a number of different areas and generate knowledge which is disseminated through various communication channels, according to the open access policies followed.

We organise events, have a robust presence on internet and social media, publish key publications and journals and co-operate interactively with the Mass Media.

Always at the core of our actions is dissemination and reuse of generated knowledge, in research, science, innovation, culture and entrepreneurship.

Through these different channels and communication tools, which operate independently or complementary, we have built a meaningful relationship with different user communities and have become identified with validity, reliability and professionalism that inspires.

Our communication strategy for 2016-2017 focused on four different promotion and publicity methods: organisation of events, printed communication, digital communication and presence in the mass media.



## WE ORGANISE AND PARTICIPATE IN EVENTS

in Greece and abroad, promoting our services and sharing our values.

*Our Publicity and Communications Department provides integrated communication services, which include publicity and communication actions before, during and after events, updates via our newsletter and social media, briefings, articles, live streaming of events taking place at the National Hellenic Research Foundation ([media.ekt.gr/live](http://media.ekt.gr/live)) live coverage via social media (live tweeting and Facebook posts), video posts, presentations and photographs, as well as the creation and distribution of relevant promotional material.*

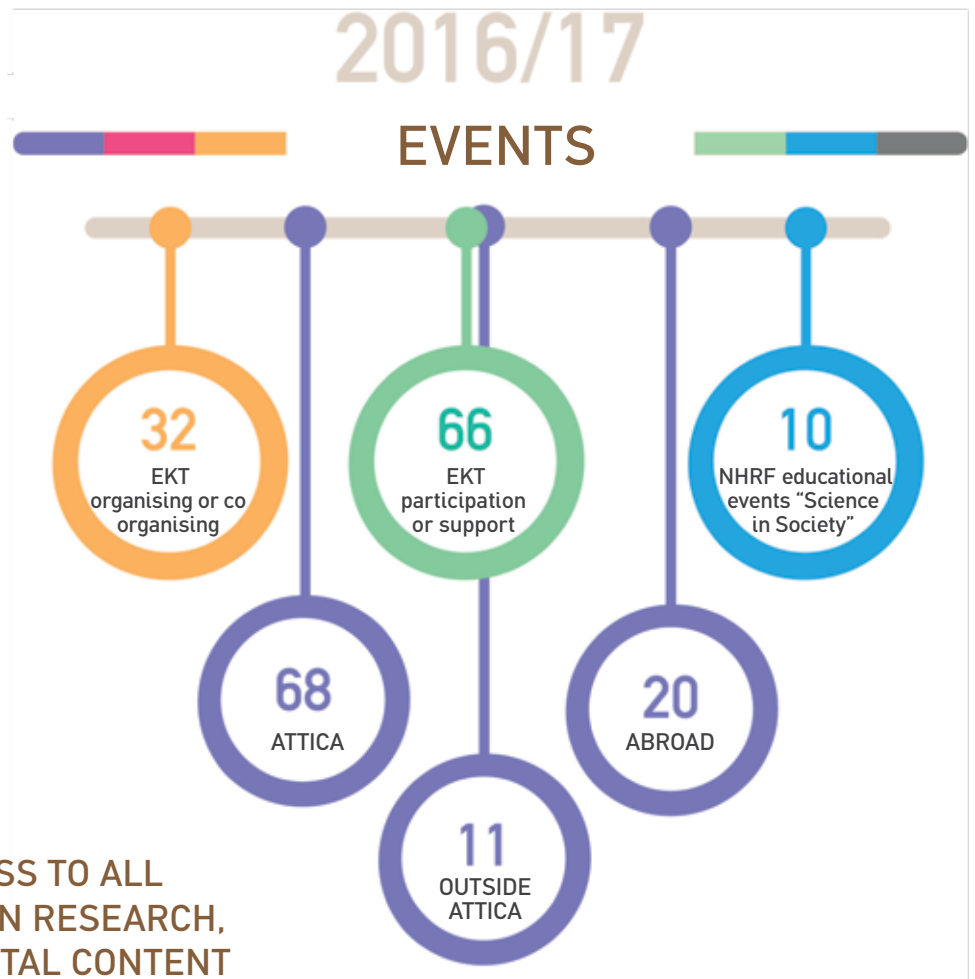
We organised or co-organised 19 events in 2016 and 13 in 2017. These events covered a wide range of themes relating to our activities (conferences, meetings, activities, workshops, international meetings and presentations).

Apart from organising events, we participated in and supported more than 60 events and actions of other actors for the years 2016/17 with a view to greater diffusion of our services in different communities (academics, scientists, entrepreneurs, etc.). At the same time our staff participated in business meeting events, brokerage events, partner-finding events, international forums, workshops, symposia and webinars.

Finally, 10 series of educational sessions, 'Science in Society', implemented by the three research institutes of the National Hellenic Research Foundation: Institute of Biology, Medicinal Chemistry and Biotechnology, Institute of Theoretical Physics and Chemistry and the Institute of Historical Research were videotaped. The speeches were broadcast live on <http://media.ekt.gr/live> and is available in the NHRF 'Helios' repository.

Additionally, our personnel participates in conferences with papers and posters, while articles are included in scientific journals. Through this activity, we enrich public discourse with new perspectives, opinions and findings that are relevant to an understanding of all the issues, related to and impacting on innovation, culture and science in Greece and Europe, and reinforces our outward outreach.

During the period 2016/17, our executives went on to write six papers in scientific journals / conference proceedings, eight presentations at scientific conferences and participated with posters in four conferences.



**THERE IS OPEN ACCESS TO ALL OUR PUBLICATIONS ON RESEARCH, INNOVATION AND DIGITAL CONTENT**



Covering a wide range of subjects, our publications make information usable by a variety of user communities.

In 2016-2017, these publications included official statistics and indicators for research, development and innovation in Greece, studies regarding the RDI system, analytical reports on Greek participation in Horizon 2020, working papers, manuals for our services, guides to good practices, and the Strategy for the 2016-2022 Programming Period.

Aiming to provide open access to knowledge and with an emphasis on open dissemination and reuse of content, we brought out 51 publications in 2016-2017.

They included:

- 8 publications of official statistics and indicators
- 2 studies for a fuller picture of RDI system
- 2 working papers
- 15 analytical reports on Greek participation in Research, Technology, Development and Innovation Horizon 2020
- 15 user manuals and best practices guides
- 8 issues of the 'Innovation, Research and Technology' journal sending them out to 5,000 recipients.
- EKT Strategy for 2016-2022 programming Period

All publications can be downloaded or browsed online from the EKT website.

## WE USE DIGITAL TOOLS and the latest communication methods



In the area of communication an organisation such as ours benefits from being constantly updated and using all the tools new technology provides. With that in mind, we have developed and support more than 200 websites, maintain a robust presence on social media, implementing customised communication policies depending on the audience following the respective media, dispatch fortnightly newsletters (Greek), conduct, digitally process and publish on YouTube interviews with prominent Greek and foreign scientists, entrepreneurs, academics, policymakers and others. In addition, we produce audio-visual and multimedia material, which is accessible to visitors of our websites.

## OPEN ACCESS TO KNOWLEDGE VIA OUR WEBSITES

We develop and support more than 200 websites with almost 8 million visitors in 2017. They give valid and reliable information on research, innovation, digital content, culture, education, entrepreneurship and related fields.

Easily and interactively, users can search the open repositories for scientific and cultural content, get updates on such matters as funding from European projects, and receive our services.

**2017**  
7,952,229 total visits

**EKT websites with  
the most traffic**

## EKT ON SOCIAL MEDIA (FACEBOOK, TWITTER, LINKEDIN, YOUTUBE)

- In 2016-2017, particular emphasis was given to promoting our actions through Facebook, which led to the increase in 'likes' by 80% compared to previous years, and the increase in posts (a 30% increase in 2017 compared to 2016). 58% of the 'likes' were from women, the majority being between 25 and 44.
- At the end of 2017, our official Twitter page had 4,900 followers, an increase of 25% compared with 2016. 67% of the followers were men mainly interested in technology and science.
- We also have a LinkedIn page with job opportunities and items related to entrepreneurship and networking.
- We upload interesting interviews and event videos to YouTube

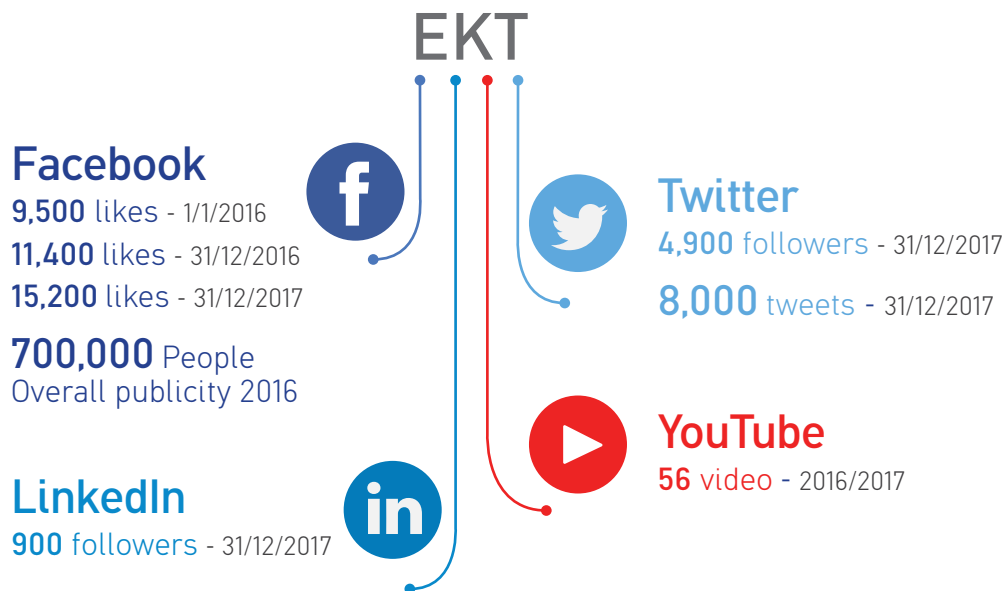
## EKT NEWSLETTER

Since 2002, the EKT Newsletter has been sent out twice per month and reaches thousands of recipients. It includes all the latest developments in science, innovation, entrepreneurship and culture, relevant events, publications, competitions, as well as European and national research programmes. In the year 2016/17 the newsletter informed over 30,000 recipients fortnightly.

## PRODUCTION AND PUBLICATION OF AUDIOVISUAL MATERIAL AND INTERVIEWS

In all our communication actions we use audio-visual and multimedia material (infographics production, interactive videos and presentations). In recent years we have given particular emphasis to interviews with scientists, professionals, entrepreneurs and policy makers from Greece and abroad.

In 2016-2017, 33 interviews, 19 of which were related to 'Knowledge and Partnership Bridges', were uploaded to YouTube.



## WE COLLABORATE WITH THE MEDIA

with the daily presence of EKT in Greek and international news media



We collaborate with Greek news media aiming to enhance and disseminate our activities. Interviews with our EKT staff are published in major news media, news bulletins are regularly sent to a large number of journalists, and are presented in our numerous publications and on our website.



# Appendices

# LIST OF PROJECTS

## European and National Projects

*We participate in development and research projects to improve the quality of our services*

We continued to be active and to seek participation in European and national development and research projects, related to innovation and research, as a practice, a policy and procedure. Specifically, participation in international and established networks was a key objective, which enabled us to offer the domestic scientific, technological and business communities high quality services. In such projects, we operate as either a coordinator or as a partner, while in others we are a member of the Network of National Contact Points of the Horizon 2020 programme.

During the period 2016/17, we participated in a total of 22 European and three national projects covering a wide range of areas from entrepreneurship, networking, research infrastructure and agri-food, to education, health, ICT, humanities and social sciences, the environment, gender equality, nuclear energy, open access and production of indicators and statistics.

## PROJECTS FUNDED BY EUROPEAN PROGRAMMES

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### BeShared

EMBRACING INNOVATION AND INTERCONNECTION IN THE SHARING ECONOMY

[www.beshared-project.eu](http://www.beshared-project.eu)

**Duration:** 2017-2019

**Funding:** COSME

**Subject Category:** Entrepreneurship

**EKT Role:** Partner

**Description:** The scope of the BeShared project is to identify and select those European SMEs and social enterprises with high-growth potential and ability to benefit from the shared economy based on an assessment of their needs. These SMEs will be connected with existing or new initiatives of shared platforms at regional, national or EU level with the objective being to establish strong cooperation between them.

### C-ENERGY 2020



[www.c-energy2020.eu](http://www.c-energy2020.eu)

**Duration:** 2014-2018

**Funding:** Horizon 2020

**Subject Category:** Research Infrastructures

**EKT Role:** Partner

**Description:** C-ENERGY 2020 is a 48 month Coordination and Support Action having three specific objectives: ensuring high quality Energy NCP services for Horizon 2020 and related programmes applicants, lowering entry barriers for Energy NCPs approaching EU Framework Programmes for R&I for the first time, Consolidating the network of Energy NCPs.



## COLIBRI

COLLABORATION AND INNOVATION FOR BETTER, PERSONALISED AND IT-SUPPORTED TEACHING



[www.tuhh.de/colibri](http://www.tuhh.de/colibri)

**Duration:** 2014-2017

**Funding:** Erasmus+

**Subject Category:** Education

**EKT Role:** Partner

**Description:** Colibri is an innovation teaching project, funded by the Erasmus Plus programme of the European Union, key action Strategic Partnerships. Strategic Partnerships aim to support the development, transfer and/or implementation of innovative practices. Colibri will specifically address the purposes of:

- Enhancing the quality and relevance of the learning offer in education
- Increase labour market relevance of learning provision and qualifications.
- Promote the take-up of innovative practices in education.

## EMPOWA

PILOT PROJECT ENHANCING PARTICIPATION OF WOMEN  
IN THE HORIZON2020 SME INSTRUMENT



[empowa.zenit.de](http://empowa.zenit.de)

**Duration:** 2017-2019

**Funding:** COSME

**Subject Category:** Entrepreneurship, Gender

**EKT Role:** Coordinator

**Description:** EMPOWA is a strategic alliance of research, innovation and business stakeholders, aiming to boost the participation of women entrepreneurs in the Horizon 2020-SME Instrument programme. EMPOWA will identify women entrepreneurs, raise awareness on the SME instrument and support their successful participation in the programme.

## enCOMPASS

COLLABORATIVE RECOMMENDATIONS AND  
ADAPTIVE CONTROL FOR PERSONALISED ENERGY SAVING



[www.encompass-project.eu](http://www.encompass-project.eu)

**Duration:** 2016-2019

**Funding:** Horizon 2020

**Subject Category:** Energy, Environment

**EKT Role:** Partner

**Description:** The enCOMPASS H2020 project will implement and validate an integrated socio-technical approach to behavioural change for energy saving, by developing innovative user-friendly digital tools to make energy consumption data available and understandable for different stakeholders (residents, visitors, public actors, building managers, utilities and ICT-providers) so to empower them to achieve energy savings and manage their needs in energy efficient, cost-effective and comfortable ways.

## Enhancement SGA2

ENHANCING INNOVATION MANAGEMENT CAPACITIES AND  
KEY ACCOUNT MANAGEMENT (KAM) SERVICES FOR GREEK SMEs



[www.cordis.europa.eu/project/rcn/211009\\_en.htm](http://www.cordis.europa.eu/project/rcn/211009_en.htm)

**Duration:** 2017-2018

**Funding:** Horizon 2020

**Subject Category:** Entrepreneurship, Innovation

**EKT Role:** Coordinator

**Description:** The project aims to support the innovation management capacity of Greek SMEs as a mean for advancing competitiveness and ensuring growth. Four partners of the Enterprise Europe Network-Hellas will provide mentoring and coaching services on all stages of the innovation management system, including the innovation process from idea generation to innovation results, leadership, management skills and other enabling factors.

## Enterprise Europe Network-Hellas

[www.enterprise-hellas.gr/en](http://www.enterprise-hellas.gr/en)

**Duration:** 2008-2018

**Funding:** COSME

**Subject Category:** Entrepreneurship, Innovation

**EKT Role:** Coordinator (2008-2010), Partner (2011-2013), Coordinator (2013-2014), Partner (2015-2016), Coordinator (2017-2018)

**Description:** The strengthening of competitiveness and innovation, especially in relation to SMEs, is central to European Union policy. Enterprise Europe Network is the central planner and conductor of relevant policies. This is a particularly ambitious but concerted effort which aims to consolidate and complete a wide range of value-added services for SMEs using the concept of “one-stop-shop” and under the guise of a unique organisational mechanism-network.

The Greek node of EEN (Enterprise Europe Network - Hellas) forms the largest network of comprehensive business support in the country. EEN-Hellas is comprised of industry associations, research and technological institutes, chambers of commerce & industry and renowned actors in the field of innovation and SMEs.

## Enterprise Europe Network-Hellas Scale

[www.enterprise-hellas.gr/en](http://www.enterprise-hellas.gr/en)

**Duration:** 2017-2018

**Funding:** COSME

**Subject Category:** Entrepreneurship, Innovation

**EKT Role:** Coordinator

**Description:** The Enterprise Europe Network-Hellas will advance its support to innovation-oriented and technology-driven young SMEs with high growth potential, by providing complementary services for scaling up. This activity aims to identify potential scale-up SMEs, assess their needs and obstacles to growth, enhance collaboration with local stakeholders, increase the awareness on the Commission’s start-up and scale-up initiative.

## Fit for Health 2.0

PROMOTING SUSTAINABLE PARTICIPATION OF HIGH-TECHNOLOGY,  
RESEARCH-INTENSIVE SMES OPERATING IN THE HEALTH SECTOR IN FP7



[www.fitforhealth.eu](http://www.fitforhealth.eu)

**Duration:** 2013-2017

**Funding:** Horizon 2020

**Subject Category:** Health

**EKT Role:** Partner

**Description:** The project supports researchers and businesses that are active in the area of health, in all the phases of the 7th Framework Programme and Horizon 2020, from conceiving an idea to the successful use of the research results, including the formation of joint ventures, proposal writing, the negotiations for subsidies, the management of the project and the effective use of results.

## GENDERACTION

GENDER EQUALITY IN THE ERA COMMUNITY TO INNOVATE POLICY IMPLEMENTATION



[www.genderaction.eu](http://www.genderaction.eu)

**Duration:** 2017-2021

**Funding:** Horizon 2020

**Subject Category:** Gender Equality

**EKT Role:** Partner

**Description:** GENDERACTION is an innovative policy community for the implementation of the gender priority in the European Research Area. It brings together national representatives from EU Member States (MS) and Associated Countries (AC) to foster policy coordination, best practice exchange and mutual learning.

## HIRMEOS

HIGH INTEGRATION OF RESEARCH MONOGRAPHS  
IN THE EUROPEAN OPEN SCIENCE INFRASTRUCTURE



[www.hirmeos.eu](http://www.hirmeos.eu)

**Duration:** 2017-2019

**Funding:** Horizon 2020

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**Subject Category:** Human and Social Sciences

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**EKT Role:** Partner

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**Description:** HIRMEOS is a Horizon 2020 funded project which aims at improving five important publishing platforms for open access monographs in the Social Sciences and Humanities (SSH) and enhance their technical capacities and services, rendering their technologies and content interoperable and embedding them fully in the European Open Science Cloud.

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**HNN2.0**  
HEALTH NCP NET 2.0E



[www.healthncp.net](http://www.healthncp.net)

**Duration:** 2014-2018

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**Funding:** Horizon 2020

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**Subject Category:** Health

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**EKT Role:** Partner

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**Description:** Health NCP Net 2.0 aims at improving and professionalizing the NCP service, thus achieving a more consistent level of NCP support services across Europe with the final goal to better support applicants and raise the average quality of proposals submitted.

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**Idealist2018**  
ICT NCP NETWORK



[www.ideal-ist.eu](http://www.ideal-ist.eu)

**Duration:** 2015-2018

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**Funding:** Horizon 2020

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**Subject Category:** Information and Communication Technologies

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**EKT Role:** Partner

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**Description:** Ideal-ist is an international ICT (Information and Communication Technologies) National Contact Point (NCP) network, supporting research and innovation activities for the EU Framework Programmes. The network includes more than 65 partners from Member States, Associated Countries, Eastern European Partner Countries (EEPC), Mediterranean Partner Countries (MPC), and other countries throughout the world.

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## INNO-4-AGRIFOOD

ICT NCP NETWORK



[www.inno4agrifood.eu](http://www.inno4agrifood.eu)

**Duration:** 2015 - 2018

**Funding:** Horizon 2020

**Subject Category:** Agroo-food, Innovation

**EKT Role:** Partner

**Description:** INNO-4-AGRIFOOD aims to deliver a new generation of innovation support services that will assist European SMEs across the vast Agri-food ecosystem to create value from on-line collaboration for innovation, access a broader range of potential innovation partners beyond their national and sectoral borders and mobilise them to seize opportunities to launch concrete innovation projects.

## MERIL-2

MAPPING OF THE EUROPEAN RESEARCH INFRASTRUCTURE LANDSCAPE



[portal.meril.eu](http://portal.meril.eu)

**Duration:** 2016-2019

**Funding:** Horizon 2020

**Subject Category:** Research Infrastructures

**EKT Role:** Partner

**Description:** The MERIL-2 project aims to create an authoritative, exhaustive online source of scientific and policy relevant data on European research infrastructures (RIs) of more than national relevance. It addresses the work programme priorities of promoting the development and coordination of policy and international cooperation in the domain of RIs.

## Net4Mobility



[www.net4mobility.eu](http://www.net4mobility.eu)

**Duration:** 2015-2018

**Funding:** Horizon 2020

**Subject Category:** Horizontal actions

**EKT Role:** Partner

**Description:** One of the project's goals is to help the less experienced NCPs to quickly familiarize themselves with the Marie Skłodowska-Curie Actions. Less experienced NCPs shall be able to rapidly acquire knowledge from the community of MSCA NCPs.

## Net4Society 4

INTERNATIONAL NETWORK OF NATIONAL CONTACT POINTS (NCPS)  
FOR THE SOCIETAL CHALLENGE 6 IN HORIZON 2020



[www.net4society.eu](http://www.net4society.eu)

**Duration:** 2015-2019

**Funding:** Horizon 2020

**Subject Category:** Socio-economic Sciences and the Humanities

**EKT Role:** Partner

**Description:** Net4Society4 will be the transnational network of National Contact Points (NCPs) for Societal Challenge 6 (SC6) "Inclusive, innovative, and reflective societies" in Horizon 2020. NCPs are set up to guide researchers in their quest for securing EU funding. NET4SOCIETY4 will further develop the current NET4SOCIETY network of SC6 NCPs (former NCPs for Socio-economic Sciences and Humanities).

## NUCL-EU 2020

THE NCP NETWORK FOR THE EURATOM PROGRAMME OF HORIZON 2020



[www.nucleu2020.eu](http://www.nucleu2020.eu)

**Duration:** 2015-2019

**Funding:** Horizon 2020

**Subject Category:** Nuclear energy

**EKT Role:** Partner

**Description:** NUCL-EU 2020 is a 48 months project having the following specific objectives:

- Enhancing the competence of NCPs, raising the level of know-how of the EURATOM network in particular helping less experienced NCPs rapidly acquire the experiences accumulated in other countries,
- Consolidating the network of EURATOM NCPs.

# OpenAIRE2020

[www.openaire.eu](http://www.openaire.eu)

**Duration:** 2015-2018

**Funding:** Horizon 2020

**Subject Category:** Open Access, Research Infrastructures

**EKT Role:** Partner

**Description:** OpenAIRE2020 represents a pivotal phase in the long-term effort to implement and strengthen the impact of the Open Access (OA) policies of the European Commission (EC), building on the achievements of the OpenAIRE projects. OpenAIRE2020 will expand and leverage its focus from (1) the agents and resources of scholarly communication to workflows and processes, (2) from publications to data, software, and other research outputs, and the links between them, and (3) strengthen the relationship of European OA infrastructures with other regions of the world, in particular Latin America and the U.S.

## Operas-D

DESIGN FOR OPEN ACCESS PUBLICATIONS IN EUROPEAN  
RESEARCH AREAS FOR SOCIAL SCIENCES AND HUMANITIES



[operas.hypotheses.org](http://operas.hypotheses.org)

**Duration:** 2017-2018

**Funding:** Horizon 2020

**Subject Category:** Research Infrastructures

**EKT Role:** Partner

**Description:** The OPERAS-D (Design) project supports the 9 main partners ("core group") of the OPERAS network in the development of a European e-infrastructure for open access publications in the SSH. The project addresses long-term requirements for the development of the e-infrastructure and community building, as well as seeks to expand other interested parties within and beyond Europe, and in diverse fields of the SSH.

## PASTEUR4OA

OPEN ACCESS POLICY ALIGNMENT STRATEGIES FOR EUROPEAN UNION RESEARCH



[www.pasteur4oa.eu](http://www.pasteur4oa.eu)

**Duration:** 2014-2016

**Funding:** Horizon 2020



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**Subject Category:** Open Access

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**EKT Role:** Coordinator

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**Description:** PASTEUR40A (Open Access Policy Alignment Strategies for European Union Research) aims to support the European Commission's Recommendation to Member States of July 2012 that they develop and implement policies to ensure Open Access to all outputs from publicly-funded research.

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## RICH2020

THE EUROPEAN NETWORK OF NATIONAL CONTACT POINTS (NCPS)  
FOR RESEARCH INFRASTRUCTURES IN HORIZON 2020



[www.rich2020.eu](http://www.rich2020.eu)

**Duration:** 2015-2018

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**Funding:** Horizon 2020

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**Subject Category:** Research Infrastructures

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**EKT Role:** Partner

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**Description:** RICH 2020, the European Network of National Contact Points (NCPs) for Research Infrastructures in Horizon 2020, facilitates transnational cooperation between NCPs, promotes the effective implementation of the RI programme, supports transnational and virtual access to RIs and highlights the opportunities offered by Research Infrastructures - at the European and international level.

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## SIS.net2

NETWORK FOR SCIENCE AND FOR SOCIETY NATIONAL CONTACT POINTS



[www.sisnetwork.eu](http://www.sisnetwork.eu)

**Duration:** 2014-2018

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**Funding:** Horizon 2020

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**Subject Category:** Open Access, Science in Society

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**EKT Role:** Partner

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**Description:** The SiS.net project is a network of NCPs for the Science with and for Society programme of Horizon 2020. The project is managed by 16 beneficiaries and is targeted to all nationally nominated SwafS NCPs. The project focuses on cooperation and networking, best practice sharing and NCP training for the Science with and for Society programme.

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## KNOWLEDGE AND PARTNERSHIP BRIDGES

[www.knowledgebridges.gr/en](http://www.knowledgebridges.gr/en)

**Duration:** 2017-2020

**Funding:** NSRF 2017

**Subject Category:** Networking

**EKT Role:** Coordinator

**Description:** The objective of the initiative is to bring high quality human capital of the country together and to create collaboration links between them. This networking of Greeks can strengthen the growth prospects of the country and ensure that participating Greeks become part of a joint endeavour. As part of this effort, the country's scientific personnel living abroad can have a direct active role in the transformation of the Greek economy, forming nodes of productive and innovative international centres.

## PRODUCTION OF RIS INDICATORS FOR 2016-2023

**Duration:** 2017-2023

**Funding:** Operational Programme 'Competitiveness, Entrepreneurship, Innovation 2014-2020'

**Subject Category:** Production of indicators and statistics

**EKT Role:** Beneficiary

**Description:** The aim of the project is to produce RIS3 indicators for 2016-2023 and systematically transmit them to the General Secretariat for Research and Technology (GSRT) and the competent national and regional authorities. More specifically, the project involves the production of a series of indicators which have been included in the NSRF monitoring system 2014-2020 and the national and regional Smart Specialisation Strategy for Research, Development and Innovation.

# SUPPORT FOR THE DEVELOPMENT OF THE STATE AID INFORMATION SYSTEM FOR THE NEW PROGRAMMING PERIOD

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**Duration:** 2017-2020

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**Funding:** Operational Programme 'Technical Support' 2014-2020'

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**Subject Category:** Information & Communication Technologies, Development of Information Systems

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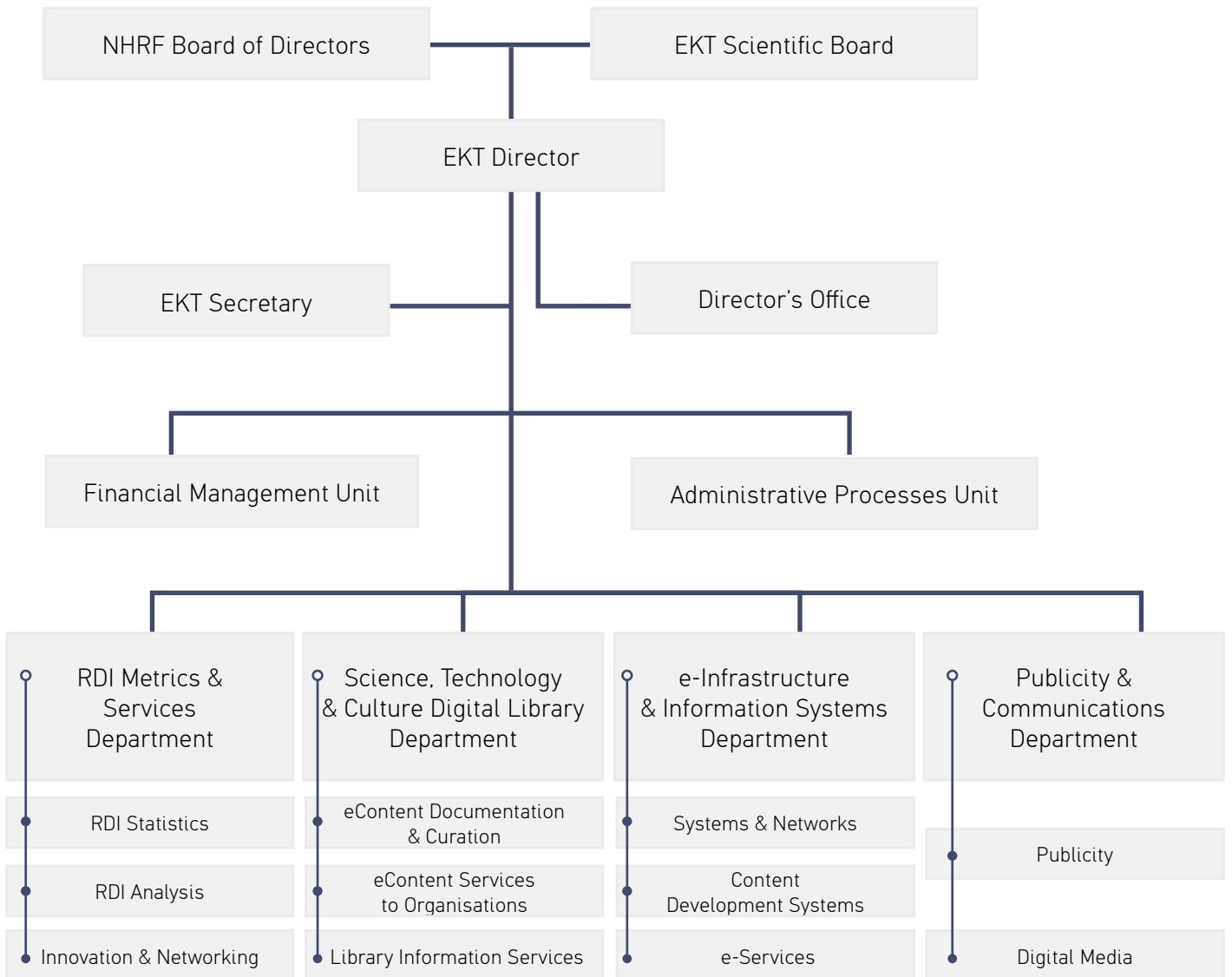
**EKT Role:** Beneficiary

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**Description:** The project is being implemented by EKT in collaboration with the General Secretariat for Public Investment and the NSRF, Ministry of Economy and Development and the Management Organisation Unit of Development Programmes (MOU S.A.). The project aims to cover all the expansion needs of the State Aid Information System (SAIS) with the development of new operations management subsystems to be integrated into the system in accordance with Law no. 4314/2014, the expansion of SAIS interoperability with the information systems of stakeholders and the development of the necessary expansion of the Business Intelligence System.

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# NATIONAL DOCUMENTATION CENTRE ORGANISATIONAL CHART



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NATIONAL DOCUMENTATION CENTRE | NHRF

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REPORT  
2016/17

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