

ANNUAL REPORT 2018

NATIONAL DOCUMENTATION CENTRE

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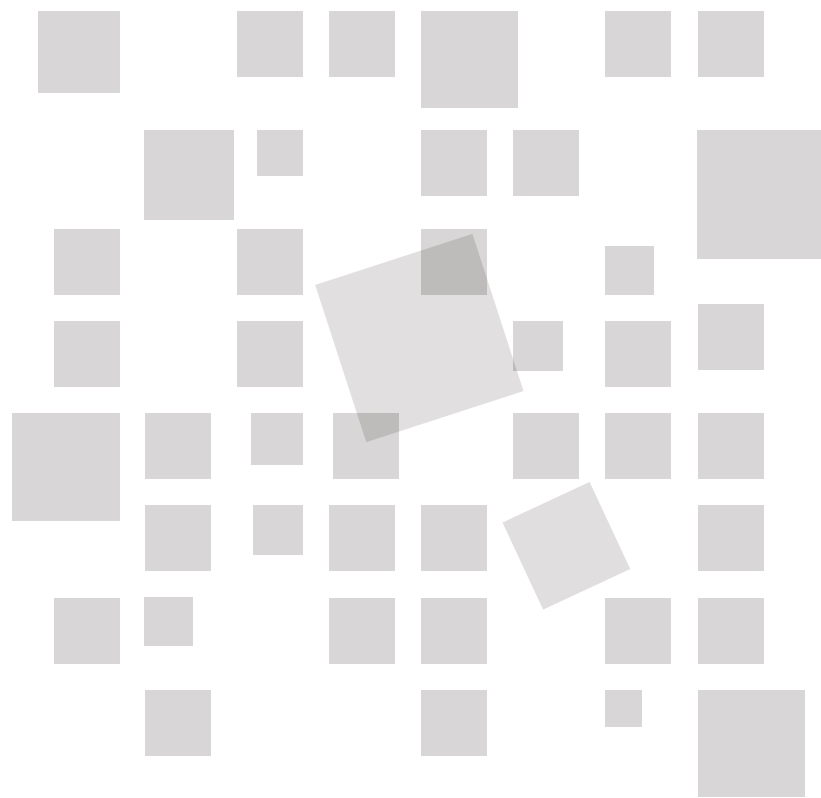
*Knowledge in the digital public space*



Annual Report 2018

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NATIONAL DOCUMENTATION CENTRE



*Knowledge in the digital public space*

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

# national documentation centre

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# EKT IS CHANGING WE WELCOME NEW CHALLENGES

Dr Evi Sachini | Director, National Documentation Centre





*Through documentation,  
we add value to information  
to transform it into knowledge*

Knowledge is at the core of all EKT's activities. We aggregate, document and disseminate the results of research, scientific and cultural activity. Since its initial creation in 1980, EKT has aggregated valuable knowledge, documenting content from prestigious organizations, giving meaning to metadata and using IT interfacing tools to make it universally accessible to user communities. As an autonomous legal entity now under the Ministry of Digital Governance, we are meeting new challenges related to the exponential increase in the volume and the type of data that we aggregate and process to produce "smart data" that will support the design of effective policies for the digital economy and society.

We know that, with the appropriate documentation, fragmented information can be successfully linked to serve the main objective of identifying content in order to meet the needs of many multiple users more effectively. A piece of information, a digital object and its metadata may belong to one collection but at the same time it can be linked to other collections. An information chain should be open and available to anyone. We could say that

EKT is an institution that acts as a catalyst for the dissemination of knowledge in the digital era.

*We support innovative  
businesses to network  
and develop their potential*

We monitor development activity and the implementation of public and European policies by collecting data to produce indicators which reflect the state of the national innovation system and record the country's position in the international system. Our participation in the OECD, Eurostat and the EU allows us to have access to raw data, cutting-edge expertise and to assimilate the best international practices in statistics and the analysis of big data, while contributing to the ongoing international debate.

*We monitor development activity  
and contribute to policy-making*

Through the reliability of our data and their detailed presentation, we contribute to the design, redesign and the evaluation of policies conducted within our sphere of activity. We liaise with academia, research and business communities and policy makers. Our aim is to make 'their lives easier' by linking data

# *“EKT is an institution that acts as a catalyst for the dissemination of knowledge in the digital era.”*

and facilitating their access to relevant and reliable information, thus strengthening their added value. We aggregate the metadata of digital collections of research and cultural entities and ensure access and searchability, offering technologically advanced means to upgrade their operations and the quality of services offered to the public. We support innovative businesses to network, develop their potential, conclude international partnerships and open up new markets.

## *Our wealth is the data we collect*

In 2018, in collaboration with the Ministry of Economy and Development, we continued the implementation of the ‘Knowledge and Partnership Bridges’, an initiative aiming at networking Greek researchers and entrepreneurs worldwide. Also, we started the implementation of a new institutional initiative for creating a Network for Business Support, mainly for SMEs, based on a central digital information hub and e-services, for which we are responsible, and also physical presence points at EKT and at local Chambers of Commerce.

The “Network for Business Support” is designed to support SMEs in making optimum use of available financial opportunities and policies, digital transformation and networking, as well as co-operation with domestic and international research communities.

Our goal for the next two years is to increase the aggregation of data to enhance the circulation of knowledge. We have the ambition to convince more

leading organisations to produce scientific and cultural content and to co-operate with us in the development of aggregators so that the latter can serve as a reference for researchers, educators, scientists, artists, entrepreneurs and the general public.

At the same time, we actively participate in the debate on the major societal and economic challenges, the digital transformation of enterprises and the public sector. The public sector produces information and valuable services, but we can increase the recognition and use of the value produced using appropriate technological infrastructure and disseminating best practices and procedures, deepening the understanding of the user community and stakeholders.

## *EKT’s new identity combines the latest business and knowledge trends*

As an institution and organisation, EKT has great potential for growth. Our wealth is the data we collect. We focus on the classification and analysis of big data and the raw material of artificial intelligence because we want to produce intelligent data.

Additionally, we want to contribute to the identification of strategies for digital economy indicators, while more actively and effectively supporting the implementation of Open Science policies.



As long as the growing value of knowledge depends on human initiative, empowering our staff training is a prerequisite for the organisation's development.

My personal target is our evolution into a deeper understanding of the individual elements that constitute our environment, and the formation of a common understating of the importance of our mission.

EKT's new identity combines modern business and

knowledge elements. EKT is a complex and effective organisation. Operating across disciplines and using appropriate technological and methodological tools, our actions are systemic and operational. We are a constantly learning organization, looking out for new opportunities and unafraid of change.

Welcoming new challenges, we meet them by implementing our strategy, which is consistent with a broader strategic transformation of the economy with a knowledge society perspective.

# NEW KNOWLEDGE FOR SOCIETY + THE ECONOMY

WE are at the forefront of statistics and policy monitoring, and are the largest and most trusted provider of knowledge in Greece for research, innovation and entrepreneurship. Policy makers, the academic and research communities and the business world are the direct beneficiaries.



Today, more than ever, the relationship between science, policy and society is characterised by constant interaction. The significant increase in the volume of knowledge, the major challenges policy makers are facing in the 'smart/intelligent' management of information for evidence-informed policies and the difficulty experienced by society in navigating this 'sea of knowledge', makes the production of quality data crucial.

As a National Authority of the Hellenic Statistical System, we have responded to this challenge by using our collective expertise and dedicating human and financial resources to the production of national and European statistics on the country's innovation system. The knowledge we gather from producing these statistics is transmitted to international organisations such

as Eurostat and the OECD, and shared with policy makers and the general public.

In addition, we contribute to policy-making that empowers Greek researchers and scientists. By collecting data and producing indicators, studies and surveys, we help tackle Greece's brain drain and highlight existing research and business opportunities that contribute to keeping researchers from leaving the country and the potential return of those who have left.

We are a fast-paced outward-looking organisation. We talk with the international statistical community, actively participate in scientific conferences and international committees, and enrich the public discourse with new elements that are necessary for understanding innovation.

## The European Statistical System



is a partnership, in which Eurostat and national statistical authorities in each state co-operate. Its mission is to provide high-quality statistical information and make this information available to everyone. The statistical authorities closely follow

the European and other international standards, guidelines and good practices for the development, production and dissemination of European statistics.

Further information on the European Statistical System can be found at: <https://ec.europa.eu/eurostat/web/ess>



# RESULTS



**15**

nationwide  
statistical surveys



**12,000**

completed  
e-questionnaires



**67%-100%**

response rate to  
statistical surveys



**100%** timely publication of  
European statistics & transmission  
of data to Eurostat and international  
organisations (OECD, EU)



**4** systematic co-operations with  
ministries and other authorities for  
the use of administrative data and the  
reducing of the burden on those surveyed



**9**

Press releases on  
statistical studies



**21** publications  
with results  
of statistical surveys



**38**

publications  
in press



**3** publications on statistics  
regarding PhD holders



**480** publications  
in digital media

# EUROPEAN STATISTICS

## Innovation in Greek enterprises

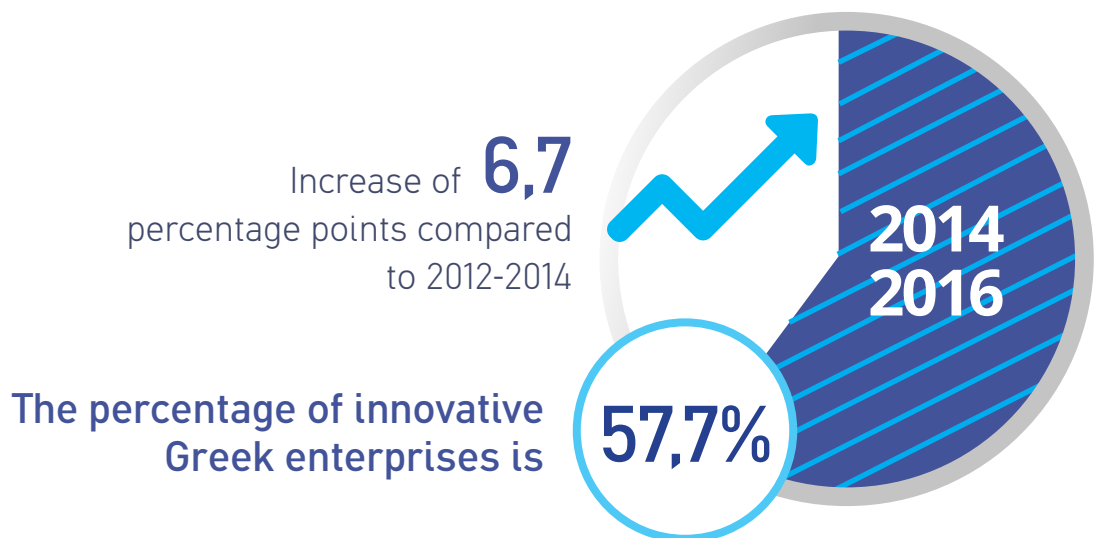
The Community Innovation Survey is the official statistical survey on innovation in the European Union. It is conducted every two years in all EU member states through a single standard questionnaire in accordance with European legislation, the methodological guidelines of the Oslo Manual (OECD / Eurostat 2018) and Eurostat, to ensure the high quality and comparability of indicators of all EU member states.

Innovation statistics provide a complete mapping of the types of innovation introduced by enterprises, the activities carried out for their development and the factors associated with innovation. Enterprises surveyed are those in Industry and Services that have 10 or more employees.



*In 2018, the nationwide statistical survey of innovation in Greece for the period 2014-2016 included approximately 11,000 Greek enterprises with 10 employees or more, in various sectors of economic activity.*

*The indicators were transmitted to Eurostat and used in major publications such as the Innovation Union Scoreboard, the Regional Innovation Scoreboard and the STI Scoreboard.*



All survey indicators are available on EKT's website <https://metrics.ekt.gr/innovation/datatables>



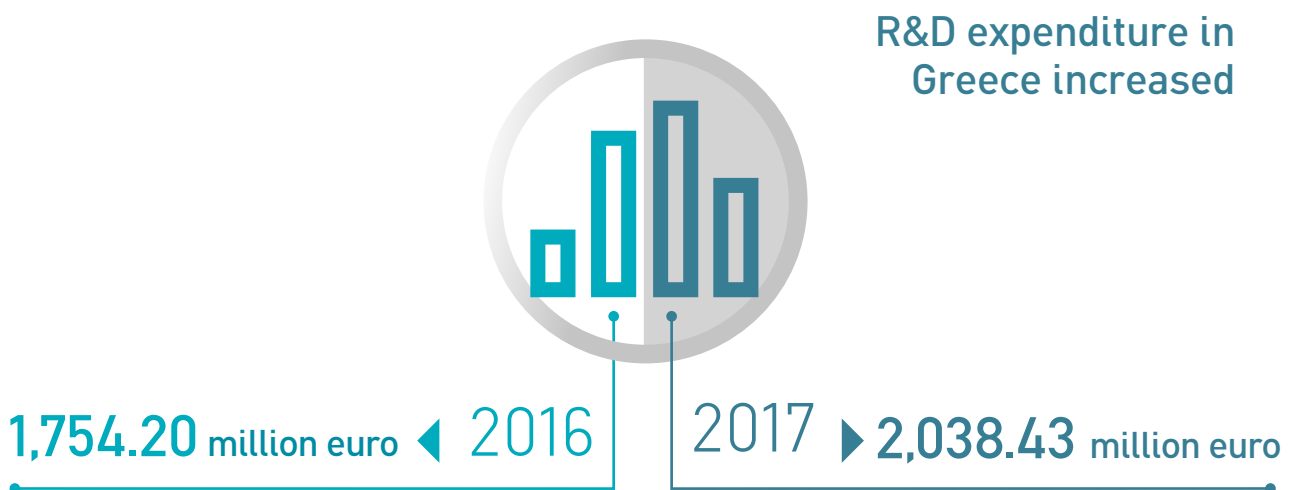
## Research & Development Expenditure and Personnel

The official statistics on Research & Development (R&D) illustrate a country's economic orientation towards R&D. They provide indicators for personnel employed in research and development activities and the expenditure incurred for these activities in all sectors of the economy: Business Enterprise Sector (BES), Government Sector (GOV) Higher Education Sector (HES), Private Non-profit Institutions (PNP) and for a country as a whole.

The well-known R&D Intensity indicator, representing R&D expenditure as a percentage (%) of GDP, monitors R&D investment to achieve the Europe 2020 target of 3% of EU GDP.



*In 2018 EKT published the key R&D expenditure and personnel indicators for 2016 in Greece and conducted the annual nationwide survey to collect the data for 2017.*



*All survey indicators are available on EKT's website  
<https://metrics.ekt.gr/research-development/datatables>*

## Government appropriations for R&D (GBARD Index)

The allocation of funds for Research and Development (R&D) is a vital factor in strengthening the competitiveness of a state, both in Europe and in the wider international context. At European and international levels, the GBARD index (Government Budget Appropriations for Research and Development /) uses data from government budgets to monitor R&D activities.

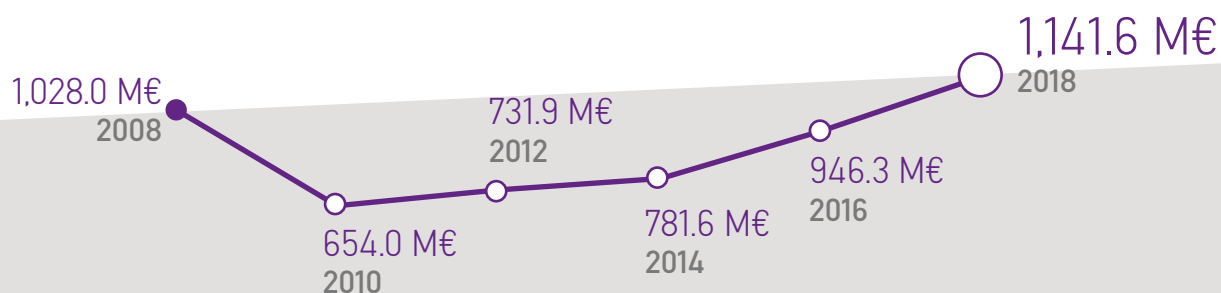
The GBARD index is among the EU official statistics, recording government funding that supports R&D not only in government agencies but in all sectors of the economy such as



*In 2018, data were collected on government appropriations in the final budget for 2017 and provisional budget for 2018.*

business, private non-profit institutions, etc., both within the country and abroad (including European and international organisations). In this way, it highlights the priorities and targeting of R&D policies.

We collect annual data for the GBARD index from all Ministries, General Secretariats and regions, recording the sum earmarked for R&D from the state budget i.e. Ordinary Budget and Public Investment Programme.



**In 2018** (initial budget)

government appropriations for R&D amounted to **1,141.62 million Euros**, the highest amount recorded in the decade 2008 to 2018.

# NATIONAL STATISTICS

## Greek scientific publications in international journals

Scientific publications in journals are a traditional indicator of research activity. The research output is usually evaluated based on the number of scientific articles published in international journals, the proportion of citations they receive, the partnerships formed for their production as well as other bibliometric indicators. Reliable data and a large number of standard indicators used in bibliometric science record the output of the Greek scientific community in publications and the impact of its research work internationally.



*In 2018, data on Greek scientific publications for 2002-2016 were published as part of EKT's statistical activity in bibliometrics.*

During the 2002-2016 period, Greek publications excelled in quality and originality, receiving an increasing number of citations from other scientists worldwide. The global indicators and the position of Greece in the EU, the OECD and internationally improved, as did the performance of organisations, while the impact of publications increased.



**10,989** Greek publications in international journals in 2016



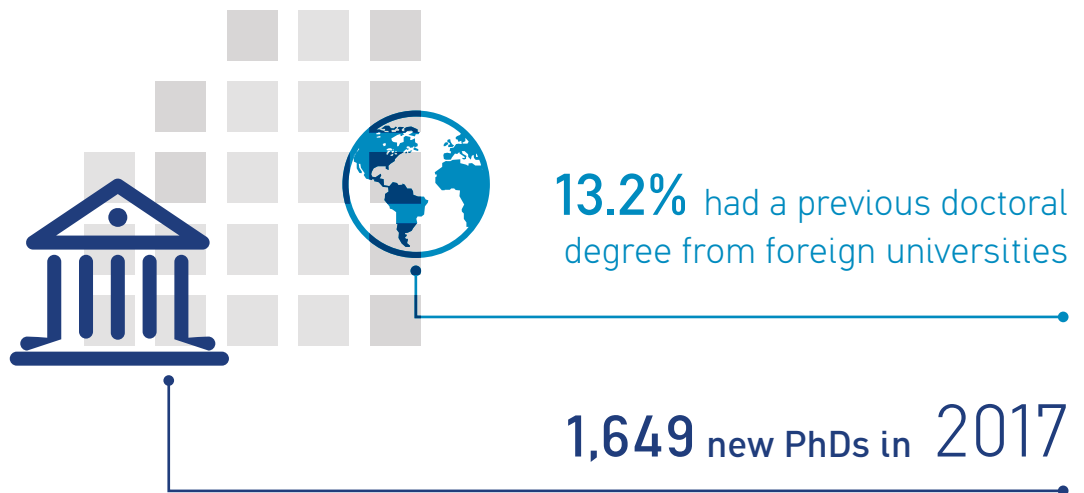
**334,992** citations to Greek publications in international scientific journals in the five-year period from 2012 to 2016

## Statistics on Doctorate holders

The statistics for doctorate holders focus on young doctorate holders who graduate each year from Greek Universities. Having very high levels of abilities, skills and expertise, they comprise the top research personnel of the country. Data are drawn from registration forms for the National PhD Theses Archive - EKT and the accompanying e-questionnaire completed by young doctorate holders.



*In 2018, EKT published three statistical publications on doctoral graduates from Greek Universities for the years 2015, 2016 and 2017. For the first time, data on the number and the profile of the specific population group became official national statistics and was incorporated into relevant publications.*



# THE PARTICIPATION OF WOMEN IN R&D

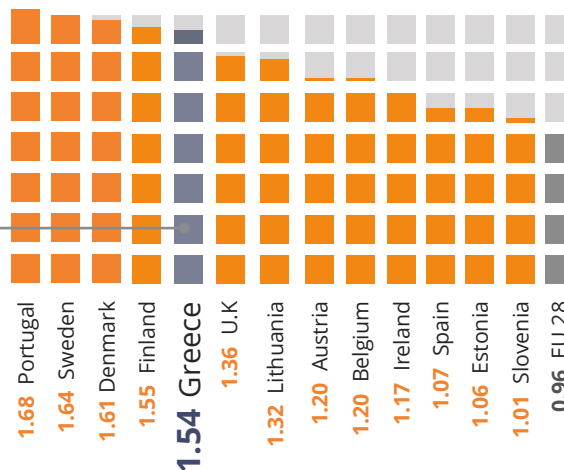
We record and support the participation of women in research and innovation.

We have actively supported gender policies in research since 2006. Following our activities for the creation of the first extensive inventory of Greek women researchers through the project 'Mapping the Scientific Area of Greek female Research Personnel' and our participation in several European projects, we have systematically contributed to the European 'She figures' report with detailed statistics and indicators on women researchers.



*EKT was the Greek statistical correspondent for the 'She Figures 2018' report. Produced every three years under the Directorate General of the European Commission Research and Innovation, the report includes data on employment of female researchers in the EU and shows the level of progress made with regard to achieving the goal of gender equality in research, technology and innovation.*

**1.54%** of all women employed in Greece in 2015 were women researchers



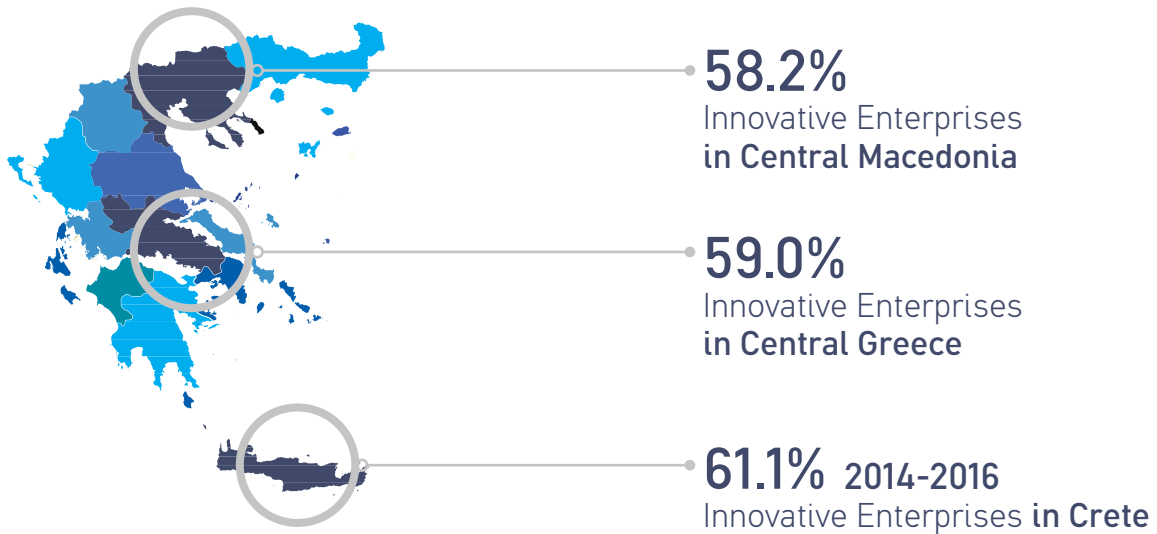
## Regional RDI Indicators

Regional ecosystems are innovating and transforming to generate value and prosperity in the local community. In this context, the documentation and monitoring of data and indicators on research, development and innovation activity constitute key elements for regional research and innovation policies.



*The emphasis on evidence-based research and innovation policies is particularly important today, as these policies are recognised as key drivers for sustainable growth and boost employment in the regions through innovative entrepreneurship, scientific excellence and their interaction.*

2014-2016



### INTERACTIVE MAPS

[metrics.ekt.gr/ris/maps](https://metrics.ekt.gr/ris/maps)

EKT has developed tools for enhanced visualization of regional indicators. Interactive maps are constantly updated to present a complete picture of the scientific and research activities across Greek regions.

## Research and Innovation Strategies for Smart Specialisation

The Research and Innovation Strategy for Smart Specialisation (RIS3) incorporates dynamic mechanisms for its monitoring so as to keep it current, smart and sustainable.

The data we collect are a source of indicators on national and regional RIS3 strategies and the Operational Programme "Competitiveness Entrepreneurship and Innovation" 2014-2020 (EPAnEK). We co-operate with the Joint Research Centre on specific topics related to methodologies and new indicators that reflect regional performance.



**38.3%** of innovative product/process manufacturing companies developed innovations on «Agrifood - nutrition».

## Young Researchers

A key focal point of our activities is the development of the mechanism for monitoring and evaluating the European Social Fund interventions to support young researchers and scientists in Greece.

In 2016, a series of actions were launched by the Operational Programme 'Development of Human Resources, Education and Lifelong Learning', the main objective of which is to create a stable environment to support young researchers in the country, to reverse the trend of brain drain and to encourage their repatriation where possible.

Through extensive surveys, we collect data and ensure the systematic and direct transmission of relevant indicators to the Managing Authority of the Sectoral Operational Programmes of the European Social Fund.



**39.4%** of the beneficiaries decided to stay in Greece to participate in the actions funded by ESF

There were **4,527** participations in all actions (academic experience, doctoral research, postdoctoral research, research projects).

# CONTRIBUTION TO INTERNATIONAL PUBLICATIONS

We produce a series of indicators for Greece which are used to monitor EU strategies and flagship initiatives (Europe 2020, European Semester, the European Research Area) and international policies (Sustainable Development Goals) and are published in various scoreboards such as the European Innovation Scoreboard, the Macroeconomic Imbalance Procedure (MIP) Scoreboard, the Digital Economy and Society Index (DESI), the Science, Technology and Industry (STI) Scoreboard, and the Science Research and Innovation Performance (SRIP) report of the EU.

## Monitoring innovation performance of EU countries

EKT provides data on the European Commission's European Innovation Scoreboard and Regional Innovation Scoreboard. In total, it provides six indicators for Business Innovation (CIS) and three for R&D expenditure.



## Monitoring EU performance in science, research and innovation

EKT has contributed to the production of indicators for EU performance in science, research and innovation for 2018. According to the report, the EU is leading in the field of scientific excellence, but is called upon to take the lead in the innovation and entrepreneurship that empowers society.





## The new Oslo Manual for innovation data

EKT has been actively involved in OECD expert teams reviewing the Oslo Manual. In 2018, the fourth edition was released, which incorporates new concepts for innovation, includes the public sector and society, and emphasises digital transformation, value chains and open innovation models.

## Monitoring international developments in science, technology and industry: digital transformation

The indicators that EKT produces contribute to 'groups of indicators' for monitoring international policies in major OECD publications, such as the Science Technology and Industry Scoreboard, which focuses on and analyses digital transformation in science, technology and industry.



## Monitoring the performance of the EU in sustainable development

EKT produces the Greek R&D Intensity index and the 'researchers per million people' index that are included in the target group indicators for the United Nations «2030 Agenda» or sustainable development.



## + BEST POLICIES

Policies for sectors spurring the economy and dedicated to social welfare are the most appropriate policies for Research, Development and Innovation today. They address a number of global aspects, such as new technological developments and the digital transformation of the economy, the rise of artificial intelligence and the fourth industrial revolution (new production revolution), the increased mobility of qualified human resources, the international dimension of research infrastructures, the major worldwide research networks, the global value chains, the citizen participation in the Open Science as well as regional specificities.

By actively participating in the international debate on which are the most accurate data and the most relevant indicators that can timely inform and support evidence-based policies, we provide the government and policy makers with the findings of the statistics we produce. Such high-quality evidence-based or evidence-informed policies can have a positive impact on society and the economy.

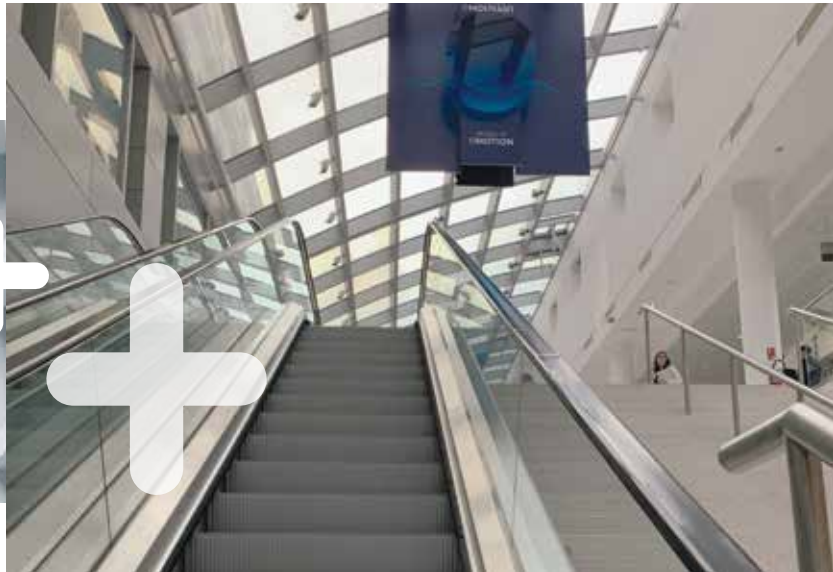
We also actively contribute to the improvement of public policies at national, European and

*EKT experts use scientific tools, analyses and studies to identify programmes and practices conducive to improving the results of public policies.*



international levels through monitoring the implementation and the objectives set.

We act as the link between the country and international trends, regularly participating in committee debates and pilot programmes (OECD Committee for Scientific and Technological Policy, OECD National Experts on Science and Technology Indicators, Pilot OECD projects and Eurostat, Joint Research Centre project RIS3 Support to Lagging Regions, Joint Research Centre Working Group 'Understanding and Managing Industrial Transitions', Permanent



Working Group on Gender in Research and Innovation / SWG GRI). We support the position / viewpoint of Greece and highlight the strengths of the national RDI system. We disseminate information, organise seminars and international conferences and represent Greece in an official capacity at OECD ministerial meetings.

At national level, we support the monitoring of national and regional Smart Specialisation Strategies, the Operational Programme 'Competitiveness, Entrepreneurship and

Innovation' (EPAnEK) and a series of financial measures for young scientists and researchers. The indicators reflect the status of implementation, enabling corrective and/or improvement measures and contribute to the documentation of their impact.

Our experts use scientific tools, analyses and studies to identify practices that may improve the results of public policies. The methodologies developed to support policies combine quantitative statistics and qualitative methods, and reflect the performance results of policies.

# CHALLENGES + PROSPECTS



In a rapidly changing environment, the production of reliable statistics to support the formulation of appropriate policies is gaining importance. The EU and its Member States require reliable statistics for the planning, implementation and monitoring of national and European policies, and use statistical indicators for evaluation and for monitoring targets. Policy makers remain the main users of official statistics on Research, Technology, Development and Innovation.

## Continuous dialogue with policy makers

We systematically organise workshops with policy makers in Greece to present data and to ensure a better understanding of the findings. Our goal is to highlight the value of official

RDI statistics as 'hard evidence', capturing and interpreting innovation, research and the knowledge intensity of the economy and society. At the same time, our statistical surveys cover new needs, collect new data and generate new indicators that track current policies and support the design of targeted initiatives.

## From data to knowledge

Official statistics are a public good. Our ambition is to offer the public not only simple statistics but rather the information, knowledge and expertise related to them. We use innovative digital statistical reporting tools that increase users' understanding: specialised analyses, infographics, narratives that support and substantiate studies highlighting and explaining



*Our goal is to represent Greece reliably and adequately in the implementation of the Commitment on Confidence in Statistics.*

the systemic parameters and participation in initiatives for the disposal of open interconnected data. We also strengthen our co-operation with the research and academic community by providing data for further analysis.

### Exploiting the digital data revolution

The increasing availability of information from multiple data sources creates new opportunities in the production of official RDI statistics. We aim to continuously expand and optimally use administrative sources which have relevant data and generate systematic co-operation with competent bodies in order to reduce the burden on those surveyed. We participate in pilot projects to exploit big data in the production of statistics (experimental statistics). At the same time, we use our in-house expertise and the latest technological developments to increase the security of the data we collect and ensure statistical confidentiality.

### High user satisfaction, commitment to quality

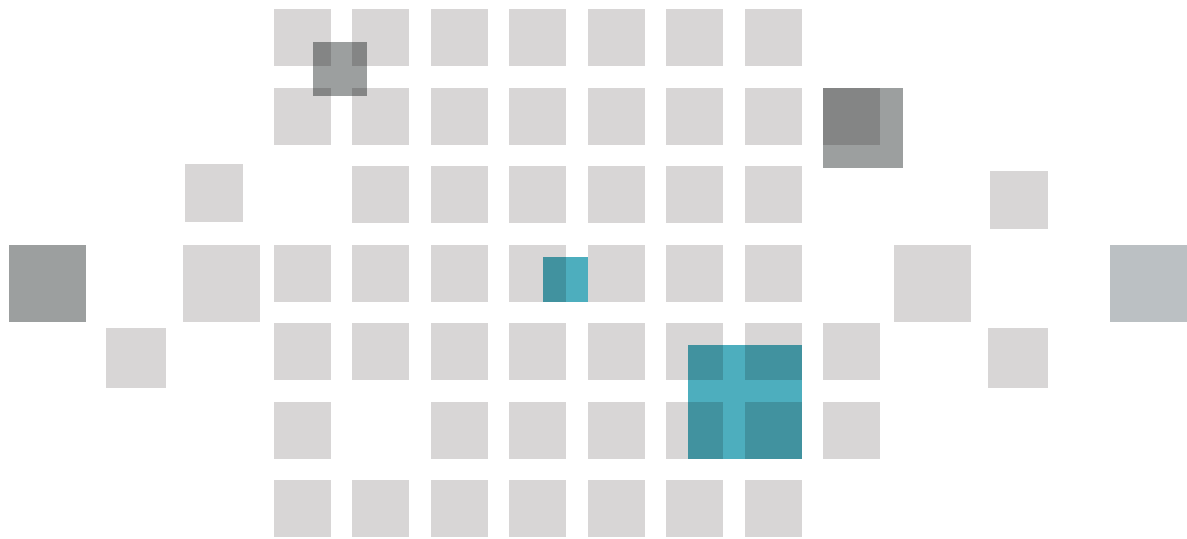
With abundant data and social networks that speedily disseminate them, users, citizens and policy makers are increasingly interested in fast data. We remain dedicated to the preservation, improvement and monitoring of quality in all stages of statistical production (organisational processes, statistical projects, outputs and indicators) and committed to prompt dissemination.

### Emphasis on co-operation

As a national authority of the Hellenic Statistical System (HSS) and always in a manner that reflects the principles of the HSS, we exploit its vast accumulated expertise in statistical methodologies, to cooperate and participate in all activities (working groups, meetings, pilot projects) of the European Statistical System (ESS).

# IMPROVING THE INNOVATION SYSTEM

The improvement of the country's innovation system is vital for social welfare and a flourishing economy. We have a key role to play in informing the research and academic communities and in supporting businesses to make better use of their potential. Linking research and entrepreneurship, empowering top early-career young researchers and creative entrepreneurs is our first priority.



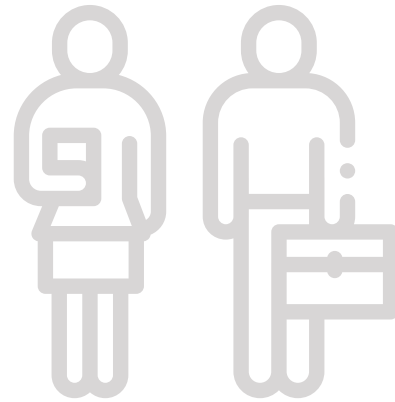
With extensive experience as National Contact Point for 11 thematic and individual Horizon 2020 programmes, and, as co-ordinator of the Greek node of the Enterprise Europe Network, the largest business support network in the world, EKT advises researchers and businesses on how to apply for funding, how to seek international partnerships and how to enhance their outward-looking character and capabilities /potential.

Innovative businesses seeking to get off the ground / grow their business successfully are counselled by our personnel from the earliest stage. We also help to improve research proposals in order to increase their chances of success in competitions and the open calls of European programmes. It is gratifying to witness the many instances of Greek researchers and entrepreneurs who excel following our support.

With our appointment as a Digital Innovation Hub, we are now the critical link between businesses, the innovation system and the research infrastructure of the country. Digital Innovation Hubs help businesses in the process of digital transformation, providing access to technological infrastructure, expertise, funding, networking opportunities and market information.

We ensure the continuous training of personnel, particularly through their participation in international networks and working groups of major European research and innovation programmes. Our personnel work with leading research and innovation organisations around the world, studying best practices in knowledge interfaces, research and entrepreneurship, and then transfer that know-how and expertise to the Greek R&I community.

**EKT innovation consultants** help researchers to participate in European research and innovation programmes, organisations and businesses to find funding or enhance their innovation activities.



**Greek node of Enterprise Europe Network**

- Networking
- Enhancing innovation
- Partner search abroad
- Entry into new markets
- Organisation of brokerage events

**Greek hub of European Institute of Innovation & Technology for Health (EIT Health)**

- Support of Startups and Spinoffs in Health sector
- Support of students in healthcare and life sciences in developing business skills and innovation

**National Contact Point (NCP) for EU research programmes**

- Researcher support
- Partner search
- Pre-assessment of proposals
- Combined advisory services for the promotion of research, development and innovation
- Training seminars
- Expert advice

**R&D activities in areas related to the development of new innovative services**

- Digital innovation management
- New product development

**Europe Enterprise Network** is the largest business support network in the world with 3,000 experts from 600 organisations in more than 60 countries. EKT is coordinator of the Greek node of the network. Enterprise Europe Network

- Hellas supports innovative and outward-looking businesses to access finance and new markets, provide personalised services for innovation management and gives SMEs the opportunity to participate in discussions on future collaborations.



# RESULTS



**830** people at research and innovation events where EKT was present



**302** research and innovation organisations took advantage of EKT services



**248** people came into contact with potential partners abroad



**15** brokerage events organised or co-organised by EKT in Greece and abroad



**28** successful business partnerships



**20** Greek companies were supported in innovation management



**4** best practices offered by EKT via EEN-Hellas network



**899** requests received by EKT as National Contact Point for Horizon 2020



**189** research proposals submitted to the EU with EKT support



## Brokerage Events

Through brokerage events, more than 250 organisations came into contact with potential partners abroad. Our team of experts supported the participation of Greek researchers and entrepreneurs in events held as part of the **Hannover Messe** Trade Fair and the **ICT Conference** where we were responsible for meetings involving more than 55 Greek participants.

In Greece, we jointly organised the Brokerage Event **Marimatch** as part of the 'Posidonia' exhibition with more than 100 marine technology businesses from around the world.



## ERC

We collaborated with the managing authority of the European Research Council (ERC) in organising a seminar for personnel from financial institutions receiving grants. The purpose of the event, which was attended by 35 employees from Greek research centres and universities with ERC grants, was to improve the management of grants.



We participated in the SME Assembly 2018 in Graz, Austria and presented the activities of the project **Empowa** to enhance female entrepreneurship.



## Digital Innovation Hub

EKT, together with the bodies with which it co-operates, was recognised by the European Commission as a **Digital Innovation Hub**.

**SOFIA | July 2018:** In the Ideal-ist project (the network of National Contact Points (NCPs) for Information and Communication Technologies (ICT) in Horizon 2020), we undertook the training of all National Delegates and ICT NCPs.

**VIENNA | December 2018:** Within the framework of the international conference ICT Proposers' Day, our workshop on the sustainability of Digital Innovation Hubs was held in a packed room.



## Scale up

Innovators were supported in scaling up their activities through the **EEN Scale Programme**. Two training seminars were attended online by companies from all over Greece. The seminars were designed based on the needs of specific businesses.

**SMEs were informed about** European policies related to their activity and were given the opportunity to participate in an open consultation to contribute to the final shaping of European policies affecting them.



Appointed personnel participated in the expert groups of Horizon 2020. We also actively contributed to shaping the wider strategy of the Enterprise Europe Network (Vision Action Group).



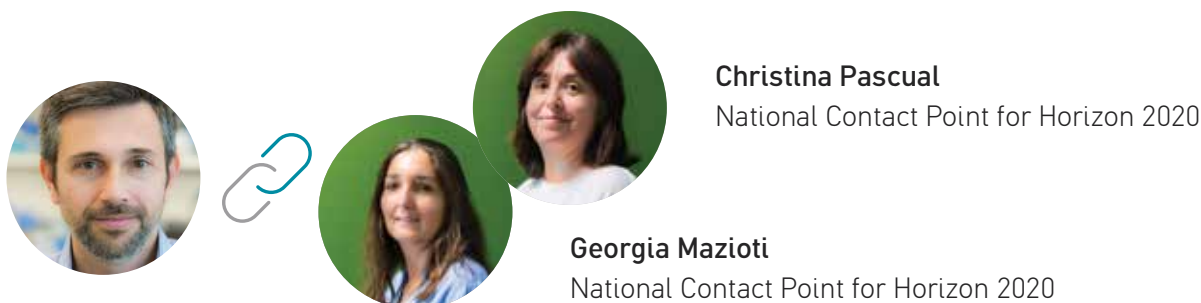
EKT as Horizon 2020 National Contact Point for Information and Communication Technologies (ICT) organised an Info Day on the Work Programme 2018-2020.

**More than 170 participants and invited speakers were engaged including from the EC, coordinators of successful ICT projects in Horizon 2020, the National Bank of Greece and other stakeholders.**

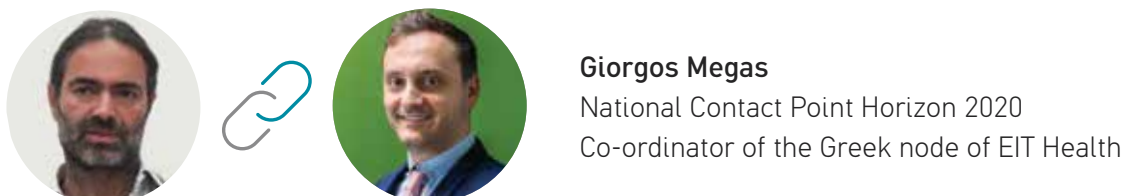


## A FEW OF OUR ACTIVITIES

**Giorgos Skretas**, a researcher at the National Hellenic Research Foundation approached us and told us that he intended to submit a proposal for one of the most challenging European Research Council (ERC) grant for excellent researchers of 2 million euro who wanted to set up a research team. Our team supported Giorgos throughout the process, including guidance in the proposal writing that included recommendations on further improvement. We supported Giorgos prepare for a panel of evaluators after he was invited to Brussels to present his proposal, which was approved and funded. Since then, we have continued to support him in the implementation of the project.



**Thanasis Spathis**, a researcher into Parkinson's disease and CEO of Synoesis Therapeutics startup, participated in a webinar organised by the National Documentation Centre, the coordinator of the EIT Health Greek node. After being informed about the available funding programmes and the EIT Health competitions, he submitted a proposal to the European Health Catapult programme. Following EKT's support, Thanassis' proposal eventually won first prize in the European competition for biotechnology. Further to the 30,000 euros prize, the company was approached by large clinics abroad to develop partnerships.



**Yanna Matthaiou and Afroditi Florou**, founders of Anassa, a premium organic tea producer, that had already developed a network of partners abroad, when we started working with them. However, Anassa targeted a further expansion of its network. Through our network of contacts in Enterprise Europe Network, we identified potential associates based on the needs of their business. Anassa also participated in a capacity building and empowerment seminar that we organised.



**Varvara Vasilaki**  
Innovation Advisor  
National Contact Point for Horizon 2020

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In January 2018, the National Contact Points of Horizon 2020 organised an information day in Brussels for **'Science With And For Society'** calls, which was attended by 471 people. Parallel brokerage events were held engaging 373 people and 450 bilateral meetings. 90% of participants rated the event from good to excellent.



**Henry Scott**  
National Contact Point for Horizon 2020

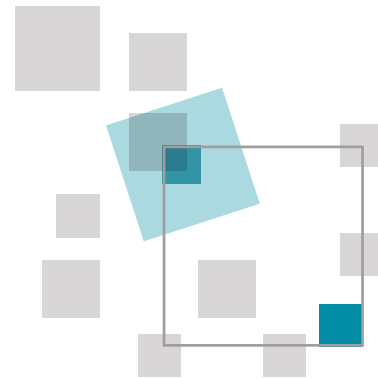
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# DIGITAL INNOVATION

We provide specialized and customized services to companies that have a successful business model and are ready to take the next step. Using methods and tools of the EEN's Scaleup Programme, we provide ongoing advice based on the specific needs of a client company.

A case in point is the Agricultural Co-operative Stevia Hellas, founded in 2012 when 87 former tobacco producers changed their crop to stevia, a natural sweetener without calories.

By 2018, it was already a very good example of a success story in the Greek agricultural sector. We worked closely with the people of the co-operative, conducted a needs analysis and invited them to take part in two seminars that targeted businesses with similar needs. We also supported the cooperative in developing strategic partnerships and in managing digital innovation and tools.



More than 50 companies received support services from the Inno4Agrifood project (funded under the H2020 INNOSUP Programme) that enhanced their ability to use online e-tools to identify and manage innovation and technology cooperation.



## Through the Enterprise Europe Network

our innovation consultants, in cooperation with their partners from the Chamber of Turin, were able to link up two Italian IT companies and Terracom Informatics to jointly develop SpotyPal. With the most advanced features, it is the most comprehensive Bluetooth tracker on the market for object detection, vehicle traffic, etc. As a result of this cooperation, the SpotyPal system was subsequently tested in the streets of Turin. [www.terracom.gr/spotypal](http://www.terracom.gr/spotypal)

# WOMEN ENTREPRENEURSHIP

Our innovation consultants support women entrepreneurs in a variety of sectors (Health, New Technologies, Energy, Tourism, etc.). Out of approximately 300 entrepreneurs and researchers served each year, approximately 28-30% are women.

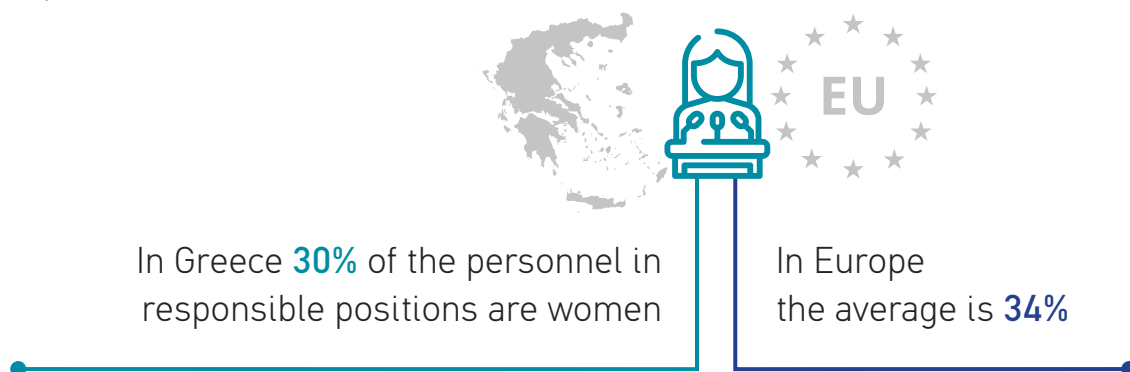
- We provide advice / guidance to new entrepreneurs to develop their business, and to researchers to get into business.
- We help entrepreneurs to access financing tools (SME Instrument etc.)
- We support researchers / entrepreneurs in finding partners for proposals (Horizon 2020, etc.)

Since 2006, we have participated in European and co-funded projects that support female entrepreneurship as well as women in research and innovation (Network Periktioni 2006, GENDERA- 2009-2012, SHEMERA- 2012-2014, EMPOWA- 2007-2019).



“ EKT’s experienced personnel devoted time to us and gave us very good ideas that gave us great impetus and inspiration to develop our business ”

Nancy Xagkoni,  
General Director, Sagini Hotel



We co-ordinate the European Programme EMPOWA project (Enhancing more participation of Women Entrepreneurs’ Activities in Horizon 2020). The aim of this project is to enhance the participation of women entrepreneurs in the SME Instrument of Horizon 2020 and ensure more successful applications for funding. To achieve this objective, the project involves recording the activities of women entrepreneurs in highly innovative sectors, informing women entrepreneurs about the SME Instrument, supporting the submission of proposals for the SME Instrument, and promoting and disseminating good practices.

# KNOWLEDGE AND PARTNERSHIP BRIDGES

The 'Knowledge and Partnership Bridges' initiative was designed to understand and directly address the multidimensional phenomenon of highly-skilled human resources leaving Greece, especially during the years of crisis.

The initiative, which began in 2017, with the focus on the importance of networking Greeks worldwide, aims to become the basis

for a permanent national policy for networking Greeks globally.

It aims to map, project, inform, bring together and network the undeniably high quality of human capital with Greek origins, both within the country and abroad, creating links with multiple benefits not just for the individuals themselves but also for the growth prospects of the country.

## Services

### MAPPING

#### Greeks Abroad:

Development of methodology and questionnaires for the systematic mapping of Greeks living abroad.

### PROMOTING Greeks within the country & abroad

- Posts about distinguished Greeks living and working in Greece or abroad
- Interviews with Greeks who share their stories and serve as an inspiration and provide a forum for new partnerships.
- Targeted dissemination of relevant articles on the Initiative's social network.



Γέφυρες  
συνεργασίας

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

#### DIGITAL Networking Platform:

1,200 Greek individuals, companies and organisations from Greece and abroad are part of the Initiative's Network

### PROVISION of Specialised Information:

- Financing programmes for business and research activity in Greece and available scholarships
- Creation of a special section with useful information





**1,200** members engaged through the Networking Platform



**180,000** unique visitors on the website



from **130** countries come its network members



## Best Practices

Under the Initiative, certain Greeks were chosen to be highlighted and used as examples of best practice for other young people. Subsequently, 12 interviews with Greeks from around the world were posted on the website and social media videos focusing on the Initiative were promoted on all private and public television channels for a month.



## 'Bridges' and the Greek Diaspora

The strengthening of relations with the community is always at the heart of the initiative. In the summer of 2018, representatives of the Task Force participated in the 9th World emigrant Arcadians conference in Tripoli and in the 1st World Congress of Rhodes Diaspora in Rhodes.



## 'Bridges' in Europe

In early 2018, the Initiative was presented to the European Parliament and at an event at the Greek Embassy in Belgium. In addition, Initiative representatives attended business networking events and educational seminars in Vienna and Zagreb.



## 'Bridges' in Greece

In Greece, the focus was on organising events and meetings with Greek businessmen and researchers from around the world. As part of the 2nd Hellenic Innovation Forum, the initiative organised the event 'Expanding Internationally: Experiences of dynamic innovative companies.'

Equally successful was the workshop entitled 'Greeks worldwide network, make the effort and work together' in collaboration with the General Secretariat for Strategic and Private Investments of the Ministry of Economy and Development and the Municipality of Thessaloniki. The workshop, whose central themes were the beneficial networking of Greeks around the world for innovative entrepreneurship and the different dimensions of the brain drain, was attended by 4,500 Greeks through live links with 20 cities across Greece and 30 other countries.

In November 2018, in collaboration with the University of Ioannina, two 'Career Talks' events were organised in Ioannina and Athens. Through inspirational speeches by young people as well as more experienced professionals, entrepreneurs and researchers, and with emphasis on the benefits of networking among researchers from around the world, the topics covered included nonstandard workpaths and learning, and career prospects in research.

The year ended with the organisation of a 'Networking and Entrepreneurship' event during the GRBossible Festival 2018. A very interesting discussion with the public took place, where four young entrepreneurs and business executives answered key questions that concern any new entrepreneur preparing to enter international markets.





# TECHNOLOGY TRANSFER

Our innovation advisors visit technology innovation and development systems abroad to bring new expertise and good practices to Greece.

- ^ In 2018, we visited the **Technion-Israel Institute of Technology**, in Haifa, where we studied the Israeli technology transfer process, Israel being the leading country in the field of entrepreneurial startups.
- ^ In Erlangen, Germany we visited the **Medical Valley**, a cluster supported by the **FAU University** and the an incubator of the university, **d.hip**
- ^ In Stockholm we toured **Kista Tech Park**, the historic Business Park of Sweden.
- ^ At the **Technology Park of Liège**, we saw how they develop new technologies that can be applied even in space projects in collaboration with the European Space Agency. The Park supports companies by offering them access to infrastructure for the rapid development of the minimum viable product.





## GOALS AND CHALLENGES

### **Upgrading available digital media**

to more effectively link the research and business communities



**Developing** a new digital platform for providing digital services and tools for the business community



**Upgrading services** to support the digital transformation of Greek SMEs



**Strengthening** women entrepreneurship



**Developing co-operation and networking links** between Greek researchers and entrepreneurs around the world



# DISSEMINATING AUTHORITATIVE KNOWLEDGE IN THE DIGITAL PUBLIC SPACE

The development of a digital public space helps provide citizens with equal access to reliable quality content. As the country's main knowledge aggregator, we collect eminent cultural and scientific content, which is then made available with open access through a single discovery point. We give emphasis to the 'smart dissemination' of content (documentation), content that is accessible and can be used by researchers, educators, policy makers and the general public, both in Greece and worldwide.



We provide a number of reciprocal public services for public and private institutions, such as libraries, archives, museums, universities and research centres, enabling them to document, promote and share their content.

In order to provide these services, we have invested in a state-of-the-art technological infrastructure, technical expertise and well-trained personnel and follow international trends and standards.

As our primary mission is the dissemination of Greek knowledge in the digital public space, the reciprocal public services we provide cover

a wide range of functions, activities and needs of stakeholders - users. Search, publication, organisation, content documentation and strengthening communication between users are some of these services.

At the same time, we actively participate in the formulation of the national strategy for the digital public space and open access to knowledge, representing Greece in European organisations and national committees.

Our vision is to share our knowledge and expertise with the general public in the most effective, interactive and convenient way.



## CULTURAL & SCIENTIFIC PLATFORMS

With a view to promoting Greek scientific and cultural heritage, we have developed two single search digital platforms, OpenArchives.gr and SearchCulture.gr, which guarantee access to content from authoritative scientific and cultural institutions.

## [ Open Archives.gr ]

OpenArchives.gr is the largest online search and navigation portal to reliable Greek scientific content produced by research, scientific and educational institutions. We develop and operate OpenArchives.gr as part of our institutional role, ie the aggregation, organisation, promotion and dissemination of the country's digital content. Users can search PhD Theses, graduate papers, educational material, scientific journals and monographs, conference proceedings, research publications and archives, covering a wide range of scientific areas such as science, technology, social sciences and humanities.

*During 2018 OpenArchives.gr was redesigned, its infrastructure was upgraded, and it was semantically enriched to serve the needs of the research, education and scientific communities. Actions were taken to ensure the functionality of all features of the service, ie, the aggregation, documentation and promotion of content.*



**61**  
organisations



**73**  
collections



**723,032**  
records

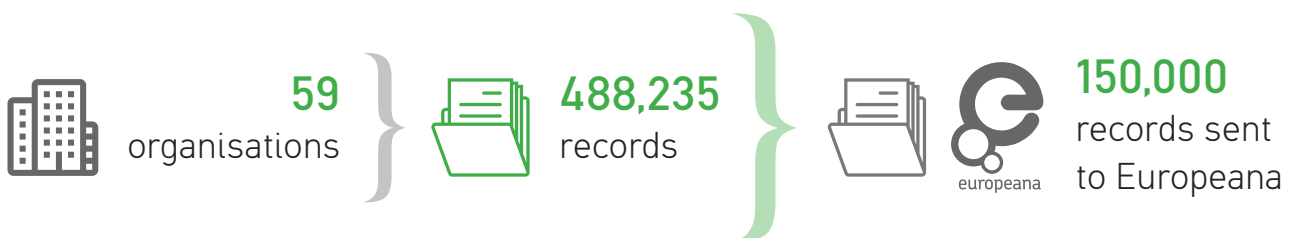


# { Search Culture.gr }

SearchCulture.gr is the Greek Aggregator for Cultural Heritage Content. It is a cultural content portal developed for aggregating, linking and discovering Greek Digital Cultural Content produced by organisations such as museums, archives, libraries, cultural associations, municipalities, etc. By contributing their metadata to SearchCulture, organisations ensure timeless international visibility and promotion of their cultural collections. Content findability increases, documentation is enriched and better conditions of reuse are ensured.

We are the accredited national cultural data aggregator for the European Digital Library Europeana. By being part of SearchCulture.gr, cultural content providers automatically contribute to Europeana.

*In 2018, Searchculture.gr was enriched with 18 new collections (Nikos Kazantzakis Foundation repository, Elia, Athens Academy, etc.) bringing the total number of records to 488,235. In addition, 302,767 records were homogenised, types and dates were semantically enriched and linked with well-known vocabularies such as the Getty Art & Architecture Thesaurus, while more than 64,000 items were sent to Europeana through SearchCulture.gr. Finally, the standardisation of the SearchCulture service began in order to streamline the ingestion process - metadata and digital files - to Searchculture.gr and other aggregators or systems and applications that reuse digital cultural heritage in a creative way.*



# NATIONAL CONTENT INFRASTRUCTURES

Since it was founded, EKT has developed a modern infrastructure to support the research and academic communities, and every citizen looking for valid scientific information. Today, National Content Infrastructures available through EKT include single search portals, indexes, library catalogues and archives, platforms for electronic publications, repositories and interlibrary loan systems, which aim to meet the needs of organisations, information scientists, researchers, teachers, publishers and the wider public.



## National Archive of PhD Theses

The National Archive of PhD Theses, for which we are the organization responsible, by law, is the online platform for aggregation, documentation and distribution of all doctoral theses completed at Greek Universities, and those theses completed by Greek PhD students at foreign institutions that have received state recognition.

The [www.didaktorika.gr](http://www.didaktorika.gr) platform enables online submission of a doctorate thesis and at the same time offers the Greek and international scientific community improved functions for search, browsing and retrieval, while supporting interoperability with popular search engines. In this way, the protection of and open access to research knowledge is reinforced, the intensity of research and the work of young researchers is highlighted and the access of the Greek and international scientific community and the general public to original scientific research is facilitated.

*The National Archive for PhD Theses shows that in 2018 Greek Universities awarded 1,624 new doctorates. In addition, new registered users of the archive amounted to 15,400 and more than 88,400 files were downloaded.*



## Index of Social Sciences & Humanities

The Social Sciences and Humanities Index (GRISSH [www.grissh.gr](http://www.grissh.gr)) collects, documents, preserves and provides access to reputable Greek scientific publications in the Social Sciences and Humanities.

It is fully aligned with international criteria and evaluation standards of journals, such as quality procedures for articles, constant editing, coverage of topics of general interest in SSH and articles by leading academic and research institutions of the country and features the following functions: content search by keyword or keyword phrase; navigation by subject category; journal title; author; publisher and other access points; combination search; viewing metadata in journals and articles and open access to full text.

*In 2018 the Social Sciences & Humanities Index was enriched with 1,331 articles and more than 1,200 new records. Overall, the Index contains more than 29,000 articles from 75 journals.*



## NATIONAL UNION CATALOGUE of Scientific Journals

Created in 1983, the National Union Catalogue of Scientific Journals (ESKEP) was our first online database and has since been updated daily with new journals and library data, ensuring the quality and validity of its content.

Giving bibliographic data for both print and online versions of journals available in the collections of Greek libraries,

it is a unique tool for any user who is looking for a specific journal in a Greek library or wishes to learn more about a library's collections.

*In 2018, there were more than 1,360 entries in ESKEP. In addition, more than 99 750 journals were included in the catalogue and 24 libraries were served.*



## Interlibrary Loan System

As coordinator of the National Network of Scientific & Technology Libraries, with 146 member libraries of all types, we provide the necessary infrastructure and equipment to support the proper functioning of the interlibrary loan system.

Through it, members can find a particular journal in the collections of other libraries in the network and order a digital copy of an article online.

*Through the system, EKT achieves multipurpose utilisation of the national collection of scientific journals and reduces the operating costs of libraries.*



**Information System** for  
Semantic Vocabularies

An innovative and useful tool for semantic search terms in multiple sources, Semantics.gr is a pilot scheme we developed to enable reputable organizations to create and easily establish their own semantic vocabularies.

It features semantic enrichment tools that can be used by aggregators and repositories to enhance and homogenise their metadata and facilitate navigation of vocabularies and terms, including a number of well-known vocabularies (eg DBPedia, geonames, Getty, Library of Congress).

*In 2018, it included 1,050 new terms and was homogenised and enriched with semantic terms for over 302,767 records.*



## The Greek books in print

BIBLIONET ([www.biblionet.gr](http://www.biblionet.gr)), the bibliographic database that provides instant updates on new editions of books in print in Greece, is now hosted on our cloud infrastructure.

Working closely with the Hellenic Foundation for Culture, we are further upgrading the database, incorporating modern technologies and tools that enable the delivery of innovative services to publishers, booksellers, libraries and readers.

With 200,000 works and serving the online search needs of 60 book stores, the database provides information about new editions even before the book reaches the shelves.



# PUBLIC RECIPROCAL SERVICES



openABEKT

We offer the Greek ecosystem of scientific, research and cultural institutions, upgraded services for creating, organising and using digital content. We provide openABEKT services, ePublishing and Repositories infrastructure, enhance scholarly communication, contribute to the organisation, promotion and dissemination of content, achieve economies of scale and support the digital transformation of the operation of partner organisations and the user communities they serve.

The innovative openABEKT system that we have developed offers memory institutions (libraries, archives, museums, information centres) organisational, management and distribution features and workflows for all their collections.

At the same time, it supports complex search functions, navigation of results through multiple criteria and digital content distribution, enabling a fully customised interface.

Through it, we also provide users with complementary remote support services: eHelpDesk, eLearning and access to eKnowledgeBase.

*In 2018, the organisations receiving the openABEKT service amounted to 103, with 118 online catalogues.*



**35**  
new libraries  
joined



**92**  
catalogues available  
available



**> 1,100,000**  
bibliographic documents  
created



# ePublishing

# αποθήκη EKT

Our ePublishing (<http://epublishing.ekt.gr/>) service offers prestigious public-interest organisations, the technical and operational environment for the development of their digital publications. It enables us to implement our strategy for the digital transformation of scientific publications to promote scholarly communication and content integration into national aggregators. The service provides publishers with tools to create digital journals and have full management of their editorial evaluation and publication processes, while supporting the hosting of monographs and conference proceedings. A long-term preservation service (LOCKSS), a range of functions, statistics and usage data reporting and displaying hosted publications are also available. Visitors to ePublishing have access to more than 12,500 Greek publications, can carry out specific searches and read online material in multiple formats.

*In 2018, material from over 1,070 EKT journal entries was edited. While, 2,000 new articles were included on the ePublishing platform.*

We have developed an infrastructure for repositories to cover digital content management needs based on information systems used by the academic community around the world that support multiple types of content, providing upgraded functionality and user experience.

Our first repositories, the archive of doctoral theses and the National Hellenic Research Foundation's 'Helios', were later followed by a range of repositories of other institutions, facilitating the integration of their content into online search portals.

Today, we collaborate with stakeholders advising on the documentation, organisation and method of dissemination of material, information format and communication issues.

*Till 2018 EKT had developed 29 repositories with more than 93,870 items from 26 organisations.*



Our Digital Library of Science, Technology and Culture provides access to collections of Greek and international content, such as journals, books, databases and theses and offers users personalised scientific information services.

Our basic user services include:

**access** to international literature, citation index and bibliometric indicators.

**ordering** of full texts, articles and publications.

**use of the Electronic Reading Room**, enhancing the role of the Digital Library as a meeting and work place for researchers, scientists, students and pupils

**educational seminars** aimed at informing the public about how to use information sources

**helpdesks** to meet user needs

*In 2018, users had access to 11,702 e-journals, 115,000 e-books and 23 databases. More than 2,340 requests were processed. 2,135 were full text orders from abroad, from libraries in the country or EKT's Digital Library.*

*The Digital Library of Science, Technology and Culture provided 18 training activities for 474 people in 2018 with the aim of cultivating critical thinking in the evaluation of digital information sources and the ethical use of information.*







# PREPARING THE GROUND FOR THE DIGITAL PUBLIC SPACE



The digital public space, a cyberspace in which science and cultural institutions collaborate and share their data, contributing to the formation of new knowledge for society and citizens, is a place of learning, creativity, and even the development of new business ideas on a collaborative basis, while at the same time it is an environment for quality dialogue between different user groups.

Our institutional role requires that we work for the unhindered flow of quality information to the digital space, while creating a body of knowledge which is available to everyone. To achieve this, we aggregate data and enrich metadata, exploring technologies that contribute not only to the long term preservation of cultural and scientific information, but the continuous formation of knowledge.

Today, through our open web portals, numerous and diverse user communities can source thousands of linked records from a large number of organizations who publish their

content in formats that enable interoperability and interconnectivity.

Through this powerful network of content producers and the infrastructure that we have developed, we are preparing the ground for the emergence of a digital public space.

We know of course that there are different attitudes, and a certain amount of apprehension, but we believe that finding common ground and staying in touch with transformations taking place at European level is paramount.

## Keeping pace with international and European developments, policies and standards.

At European level, policies have been firmly adopted that support Open Access, Open and FAIR Data (Findable, Accessible, Interoperable, Reusable). This enables the development of the European Science cloud which will host a huge volume of primary digital cultural content.



*The digital public space is a place of learning, creativity, and even the development of new business ideas on a collaborative basis.*

Meanwhile, there is an ongoing digital transformation in the cultural domain. This is due to innovative technologies in the area of digitisation and digital representation of knowledge, such as the semantic web, 3D scanning, artificial intelligence, augmented and virtual reality and also, through the wider dissemination of a culture of digitization.

Through our participation in European projects and in league with relevant decision-making bodies, we actively participate in the shaping and dissemination of knowledge, innovation, policies and standards, aimed at accelerating the digital transformation of cultural organizations.

### **Aggregation, Modelling and Smart Dissemination of Digital Content.**

The Digital Public Space requires semantic and technical interoperability between databases and digital repositories.

For this purpose, we publish interoperability

specifications and implement standardized workflows that support 'cleaning,' normalization, homogenization, multilingual and semantic enrichment of the data we aggregate.

In this way, we guarantee added value to the original documentation the content owners have submitted.

These workflows enable the development of advanced search functions and navigation of large volumes of data and the smart dissemination of content for use in multiple ways, such as multi-channel distribution and embedding in third party applications.

The enhanced workflow that includes aggregation, interoperability assesment, normalisation multilingual semantic enrichment and 'dissemination following interoperability standards on national and international reuse platforms, ensure the quality of the digital content.

# 2018 MOMENTS

**FEBRUARY 2018:** Organisation of Lecture presenting a modern interpretation of the Phaistos Disk

**APRIL 2018:** Joint meeting of the Parliamentary Library Committee and the Standing Committee on Cultural Affairs to assess the co-operation of the Parliamentary Library and EKT, installation on and transfer of the Library Catalogue to the openABEKT platform and new opportunities created for further cooperation.

**APRIL 2018:** Study visit of open science and data personnel from Serbian Universities under the Erasmus and BEOPEN programme.

**MAY 2018:** Organisation of workshop on 'Common Open Resources in Education: Mapping best practices in cooperation with the Ministry of Education'. The purpose of the workshop was to record and evaluate the good practices that have emerged from the activities of public bodies and services for the scientific community.

**JUNE 2018:** Organisation of International Conference 'Open Scholarly Communication in Europe: Addressing the Co-ordination Challenge' as part of the OPERAS-D project involving 100 experts in open access and open scholarly communication.

**JUNE 2018:** Seminar on Open Science and Management of Research Data organised for young researchers in Social Sciences and Humanities (SSH).

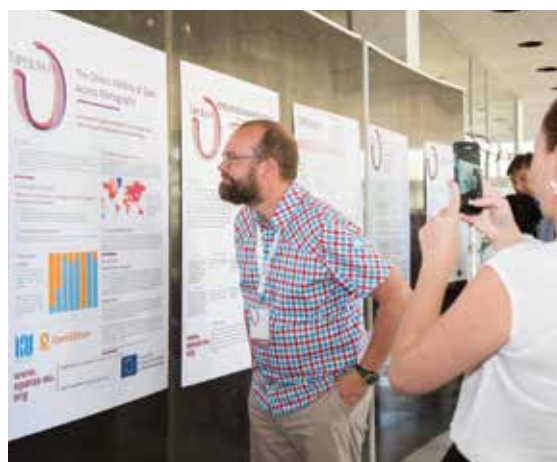
**DECEMBER 2018:** Participation in the annual meeting of the Europeana network in Vienna celebrating 10 years of operation.

EKT participated as the National Aggregator for Europeana through the national infrastructure SearchCulture.gr.

**DECEMBER 2018:** Integration of the Halki Seminary Library into openABEKT, expanding co-operation between EKT and the Library of Parliament.

**DECEMBER 2018:** ABEKT Software availability expires after more than 30 years development and availability to more than 1,000 libraries in Greece and abroad.





# CHALLENGES

Society's digital transformation is already on the way, creating many opportunities for improving citizens' everyday lives. Openness and sharing of knowledge and information are already a challenge. Adding value to this knowledge is another challenge, which makes for a complex environment. The answer to this challenge is the development of a consolidated data ecosystem that brings together the public sector, industry, academia and the general public.

As a hub for the Greek science and culture ecosystem, we have recognized this challenge and we have developed an integrated strategy for the efficient dissemination of knowledge, which includes several stages: data collection and aggregation, documentation and semantic enrichment, and finally, availability, dissemination and production of 'new knowledge'. The last stage, contributes to policy making at national and European level for the exploitation and management of aggregated knowledge.





## GOALS

**To augment the number of organisations** and content aggregated in EKT search portals, public catalogues and indexes



**To expand user communities** who choose the search portals as their primary 'search engine' for access to reputable scientific and cultural content



**To improve the quality** of metadata on national infrastructures through documentation



**To upgrade national infrastructures technologically** and operationally



**To interact with user communities for evaluation of services** provided and mapping of their needs



**To strengthen networking** and EKT's international presence in the Open Science ecosystem



# COMMUNICATION AND PERFORMANCE

We are an organisation that communicates with very different audiences. The great challenge is to use the most up-to-date means, with the most appropriate form and content. At a time when information and information channels have increased significantly, communication is measured in terms of consistency and quality. For this reason, we apply an integrated communications strategy. Throughout the year, we assess and evaluate the results of this communication, which enables us to make necessary adjustments and changes.

The media coverage we use contributes to increasing the visibility and impact of the organisation for all stakeholders and society. From the events we organise to articles and posts on social media, from announcements/bulletins and interviews in the press (printed and online), we take care to ensure EKT is perceived as a modern institution for data collection and knowledge dissemination.





## WEBSITES

**7,758,282** site visits

- 1,372,920 [epublishing.ekt.gr](http://epublishing.ekt.gr)
- 1,262,216 [didaktorika.gr](http://didaktorika.gr)
- 726,188 [ekt.gr](http://ekt.gr)
- 356,763 [openarchives.gr](http://openarchives.gr)
- 272,588 [repository.edulll.gr](http://repository.edulll.gr)
- 144,455 [knowledgebridges.gr](http://knowledgebridges.gr)
- 142,379 [searchculture.gr](http://searchculture.gr)
- 134,126 [enterprise-hellas.gr](http://enterprise-hellas.gr)
- 121,281 [openaccess.gr](http://openaccess.gr)
- 92,030 [helios-eie.ekt.gr](http://helios-eie.ekt.gr)

**216** articles on EKT activities



## MAGAZINE



**4** issues



**5,000** recipients



**3,000** e-readers per issue



## EVENTS

EKT organised **30** events and participated in another **38**



## SOCIAL MEDIA



**1,312,940**

total reach

**21,021** followers



**953,600**

total reach

**5,881** followers



**33,600**

video views



## MEDIA



**148** mentions  
in printed media



**1,660** mentions  
in digital media



**6** radio and television  
interviews



## E-Newsletter



**19** issues



**24,518** recipients



**27%** open rate

## Celebrating 60 years of the National Hellenic Research Foundation

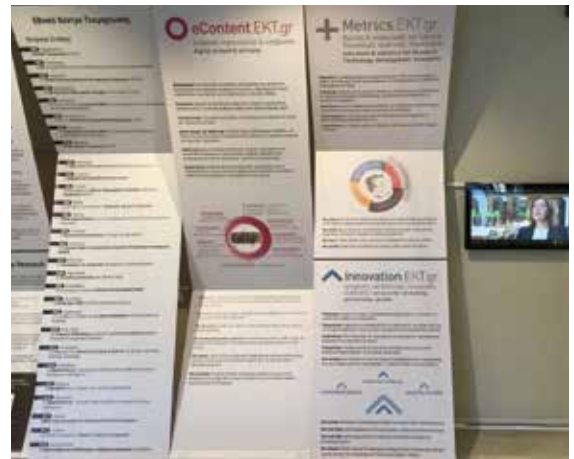
The National Hellenic Research Foundation (NHRF), one of the largest research centres in Greece, presented its achievements and prospects in a special event to celebrate 60 years of operation, with the participation of the research, scientific and business community. Alongside the main event, it opened a new permanent exhibition which presents the history, achievements and vision of the three NHRF Institutes and EKT. The first laser rapid electrical discharge molecular fluorine in the world, an impressive hologram displaying the interactions of molecules with protein targets, as well as EKT publications for the Greek research and innovation ecosystem, were just some of the exhibits.



## New Year's Pie

In a very warm atmosphere, personnel, friends and associates of EKT, including representatives of the government and associated bodies, met in the "K.Th. Dimaras" Library to cut EKT's New Year's Pie.





# HUMAN RESOURCES





29 Computer scientists

24 Information scientists

10 Statistical Analysts

8 Innovation Consultants

50 MSc / MBA / MA

21 PhD



ANNUAL REPORT 2018  
contributors

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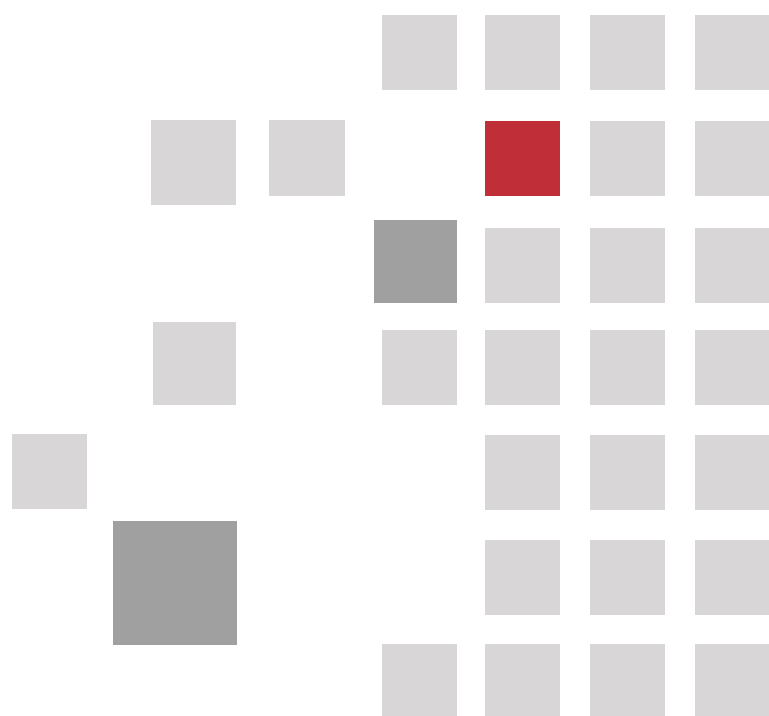
**PHOTOGRAPHER:** John Voulgarakis

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**2018** ANNUAL REPORT  
NATIONAL DOCUMENTATION CENTRE

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