

**Interreg  
Europe**



European Union | European Regional Development Fund

# Interreg Europe: state of play

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18-19 June 2019 | Peer review, Sofia





# Interreg Europe...

**Exchange of experience** to improve regional development policies, in particular **Structural Funds (SF)** programmes

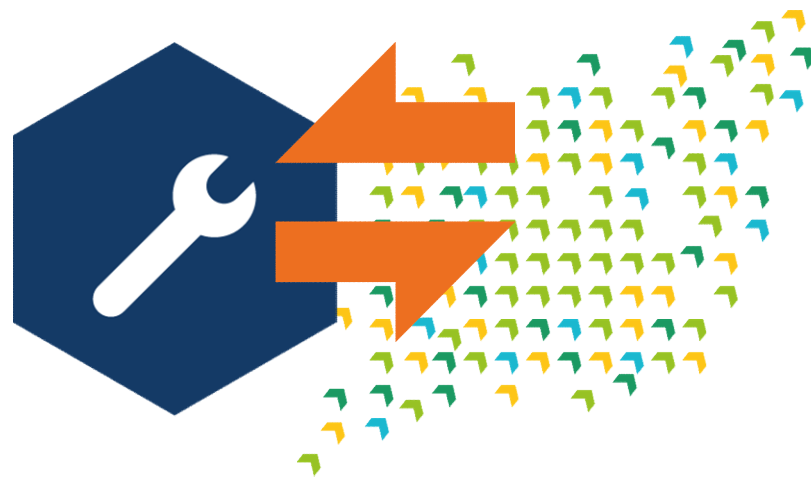
An accelerator  
for regional  
development





# 2 actions

**A. Policy Learning Platform**



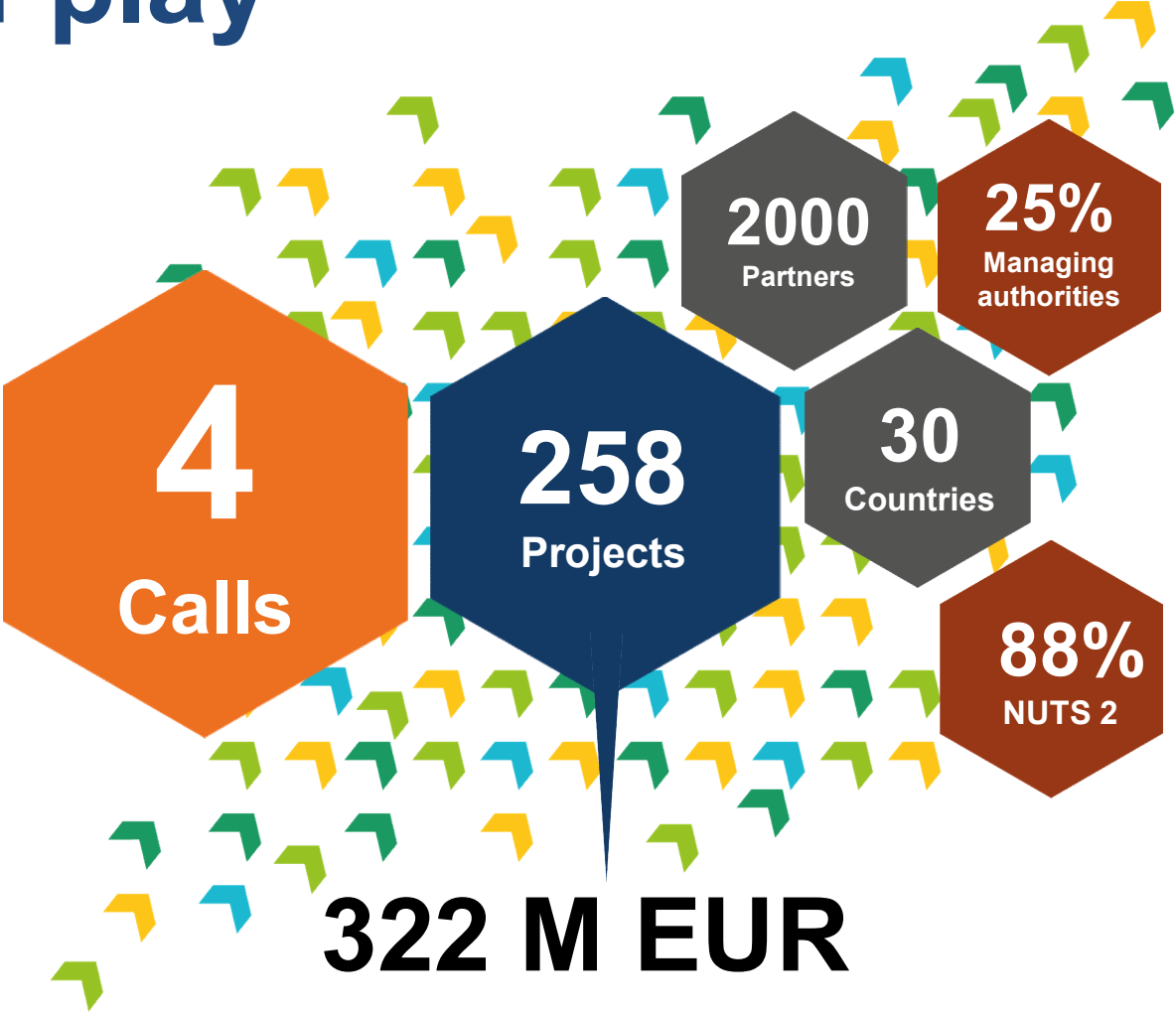
**B. Projects**

# Interregional cooperation projects





# State of play





# Balanced

Environment and  
resource efficiency

26%



25%



Research and  
innovation

Low-carbon  
economy



23%



26%

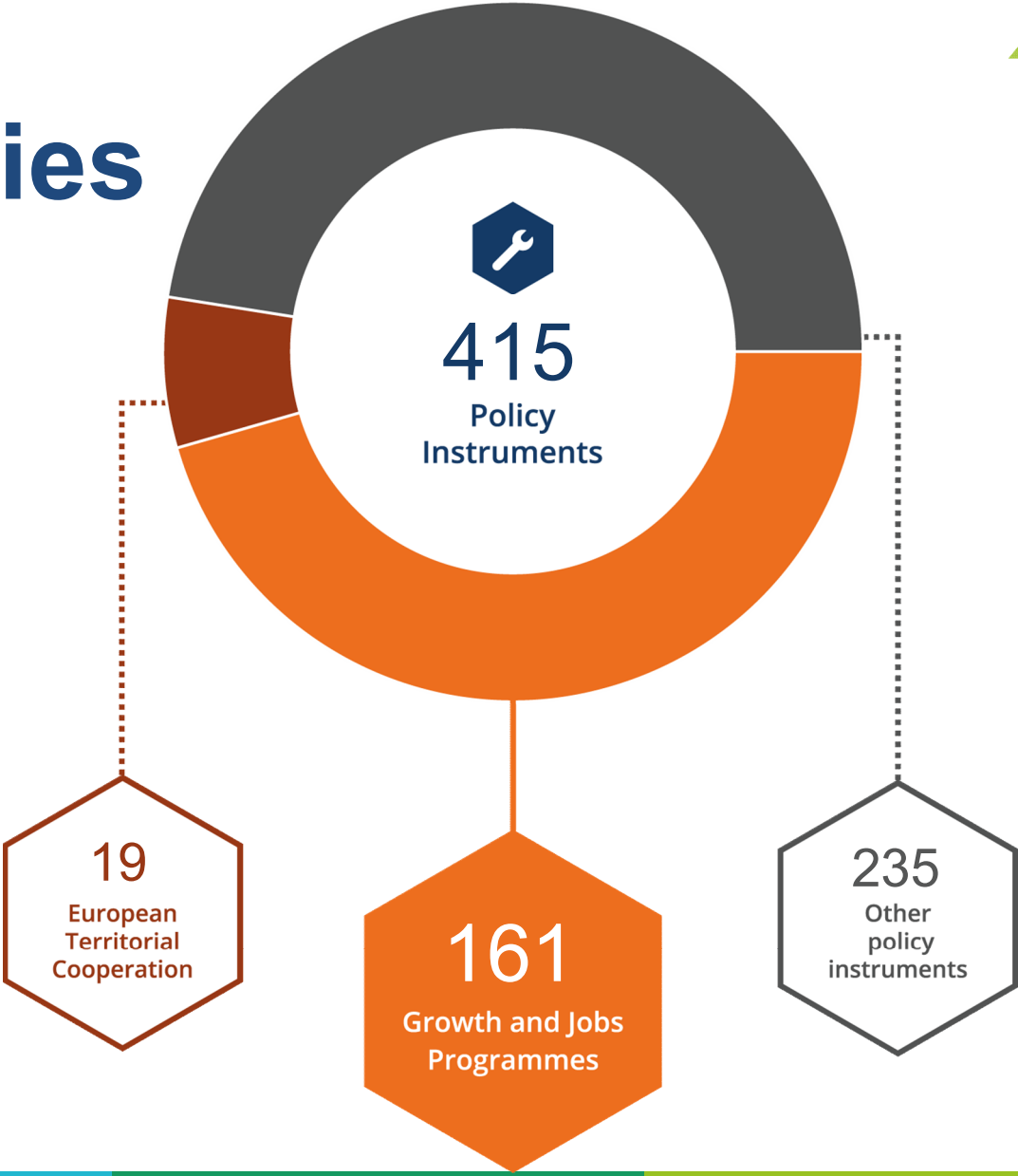
SME  
competitiveness



# Improving policies

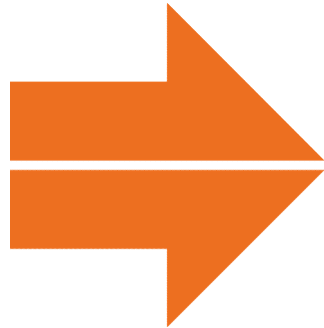
# 75%

of all Growth and Jobs programmes in the EU (ERDF) addressed by the projects





# Results achieved



**Phase 1 finalised for 31 projects**





# A unique programme

## At the heart of EU cohesion policy

- Improving regional development policies  
in particular Structural Funds programme
- Mix of more and less advanced regions
- High participation of peripheral regions



## **Interreg Europe secretariat**

**Les Arcuriales, Entrée D, 5e étage  
45 rue de Tournai, 59000 Lille, France**

**[info@interregeurope.eu](mailto:info@interregeurope.eu)**

**[www.interregeurope.eu](http://www.interregeurope.eu)**



**interregeurope**



# Take the shortcut to smart policy solutions

## The Interreg Europe Policy Learning Platform

**Peer reviews for better policymaking**

Thorsten Kohlisch  
Project Manager of the Policy Learning Platform



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# What is the Platform about?

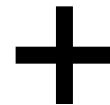


## 4 services for interregional learning



delivered through

Online portal



Team of experts



# Meet the thematic experts

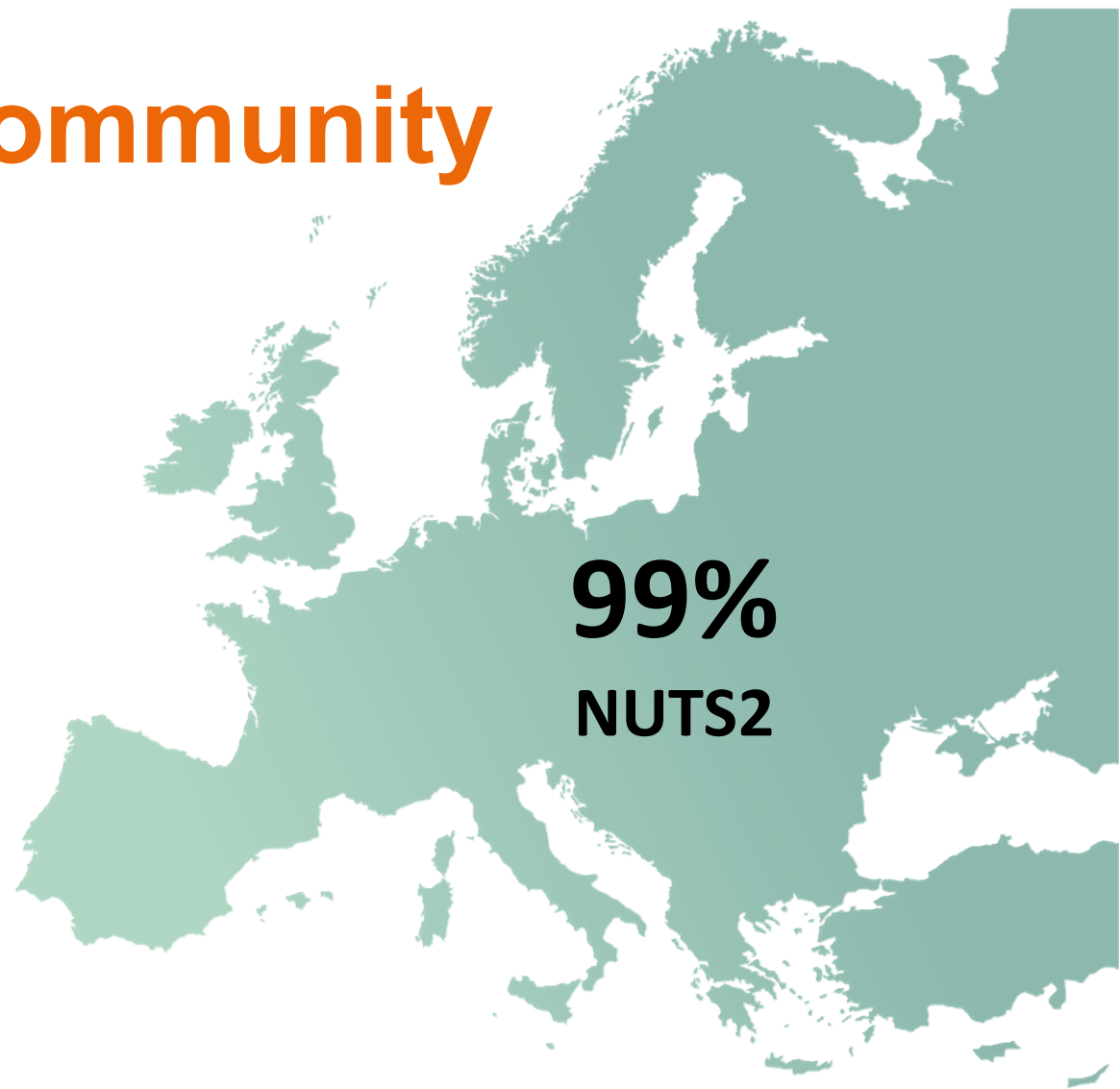


# A truly European community



**16,000+**  
Members

**99%**  
NUTS2



# Good practice database

Inspire and get inspired



**~ 700**

**Good practices**



<https://www.interregeurope.eu/policylearning/good-practices/>

# Get the support you need







## Individual support serving your needs:

- **Policy helpdesk**  
ask the experts and receive policy advice online
- **Targeted matchmakings (1,5 hours, during events)**  
get together with relevant partner regions to share your challenges and good practices
- **Peer reviews (2 days onsite visits)**  
Team up with other European regions to get their feedback and recommendations



# Call 1 – approved peer reviews



| TO   | Submitting organisation   | Addressed policy challenge  | Timing          |
|--|---|---|-----------------|
| <br>Research and innovation               | Executive Agency for Science and Education<br>Smart Growth Operational Programme,<br>Ministry of Education and Science (BG) | ERDF support for the establishment and development of Centers of Competence and Centers of Excellence | 18-19 June 2019 |
|  | Region of Gävleborg (SE)  | Innovation and stakeholder governance   | 29-30 Jan 2019  |
| <br>SME competitiveness                   | Berlin Senate Department for Economics, Energy and Public Enterprises (DE)  | Start-up support measures supported by the regional operational programme                             | 3-4 July 2019   |
|  | Government Agency Catalonia Trade & Investment/ Generalitat de Catalunya (ES)   | SME internationalisation support  | October 2019    |
| <br>Low carbon economy                  | Ministry of the German-speaking community of Belgium (BE)   | Governance and implementation of an inter-municipal SECAP   | 8-9 May 2019    |
| <br>Environment and resource efficiency | Regional Council of Provence-Alpes-Côte d'Azur (FR)   | Corporate Social Responsibility/ circular economy   | 27-28 June 2019 |
|  | Nature Park Our/ National Nature Conservation Agency (LU)   | Governance and implementation of Natura 2000 management plan  | September 2019  |

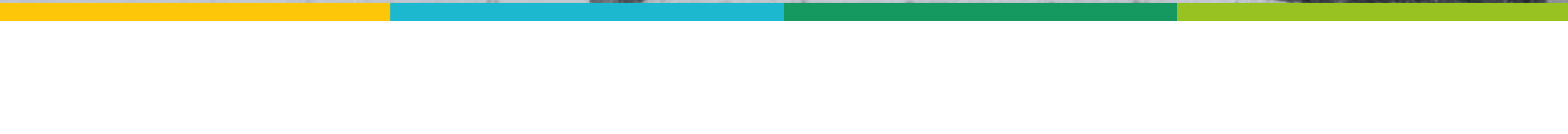


# Success stories



# Gävleborg Region, Sweden

January 2019



# Gävleborg Region, Sweden

January 2019



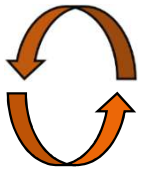
# Gävleborg Region, Sweden

January 2019



## Mastering the art of innovation governance:

- Learning nugget I – “what” – develop co-ownership before you get started
- Learning nugget II – “how” – to ensure successful stakeholder governance
- Learning nugget III – “how” – to lead the process successfully
- Learning nugget IV – “how” – to manage the windows for innovation
- Learning nugget V – “how” – to use evaluations and peer learning



Manage complex development projects by systematically looping through nuggets, creating a positive spiral

# Gävleborg Region, Sweden

January 2019



## **An insight into the set of policy recommendations:**

- **Identify, invite and engage relevant stakeholders – share responsibilities**
- **Be ready to grant successes (Angela Merkel vs. Donald Trump)**
- **Identify “problem owners” and “solution procurers” – do not be afraid of addressing conflicts**
- **Start with low-hanging fruits to achieve first results and impacts**
- **Inject positive energy and “fun” to handle complex situations**

<https://www.interregeurope.eu/policylearning/event/2381/leadership-and-governance-of-regional-innovation-processes/>

# Gävleborg Region, Sweden

What did the host say?



“The peer review tool was well-suited to our needs. We knew already ‘WHAT’ to do, and the financing was in place. What we needed to answer was the question of ‘HOW’ to do it. We didn’t have time to develop a project lasting several years. **We needed knowledge quickly, and on very specific issues.** This is why the peer review process was an attractive opportunity for us, and ultimately one that has **significantly changed the way we work.**”

*Magnus Ernström, Strategist and Project Owner, Region Gävleborg*

# Gävleborg Region, Sweden

## Follow-up



### Excerpt from the final report:

- *“We are considering to launch a joint project with the peer regions” – focus on innovative mobility solutions or steps towards closer business cooperation (interregional value chains)*
- *“Peer experiences and projects with solar cells from Noord-Brabant will be brought into the Gävleborg planning for cycle roads and noise barriers”*
- *“Lessons learned regarding ‘innovation windows’ were already used and applied in March 2019, in a meeting with regional industry, to focus the innovation process towards operational engagement in climate smart transportation”*
- Lessons learned from the peer review shared with Swedish regional innovation stakeholders at the annual conference of the Swedish regional development forum ‘RegLab’ on 27 March 2019 in Västerås
- (...)



# German-speaking community, Belgium

May 2019



# East Belgium, Belgium

May 2019



## Implementing an inter-municipal Sustainable Energy and Climate Action Plan (SECAP):

- Governance structures
- Scope and support tools for local authorities
- Monitoring data and reporting
- Financing SECAP

<https://www.interregeurope.eu/policylearning/news/5606/a-meeting-with-eu-policymakers-helps-the-belgian-german-speaking-community-to-better-coordinate-their-secap/>

# East Belgium, Belgium

What did the host say?



“We would like to thank all participants of the peer review and in particular the four peers for their valuable input. **The peer review was perfect with regard to the timing and the many interesting approaches that have been shared. In our speeches, we often talk about the added value of European cooperation. With the peer review, we could implement that concretely in our region.** A big thank you also to Interreg Europe for offering this policy learning tool.”

*Daniel Hilligsmann, Advisor to the Minister President of the German speaking Community, Belgium*

“This has been a very good, **very practical exchange and I had the feeling that I can make a real contribution with my experience.** Now that we have met in person, we can better collaborate in the future.”

*Nathalie Garré from the West-Vlaamse Intercommunale*

# East Belgium, Belgium

## Key features and follow-up



### Observations and first follow-up actions:

- Perfect policy timing (transfer of energy policy competences to East Belgium)
- Timely and transparent involvement of key stakeholders (municipalities, local associations)
- Presentation of the peer recommendations at the next SECAP Steering Group meeting
- Further analysis of the discussed monitoring and evaluation tools
- Continuation of the launched cooperation (deepening of exchanges, joint projects)



[www.interregeurope/policylearning](http://www.interregeurope/policylearning)

#policylearning ▪ [t.kohlisch@policylearning.eu](mailto:t.kohlisch@policylearning.eu)



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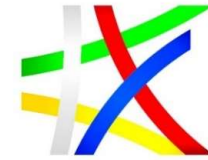


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PA 1 of SESG OP

Centers of Excellence and Centers

of Competence

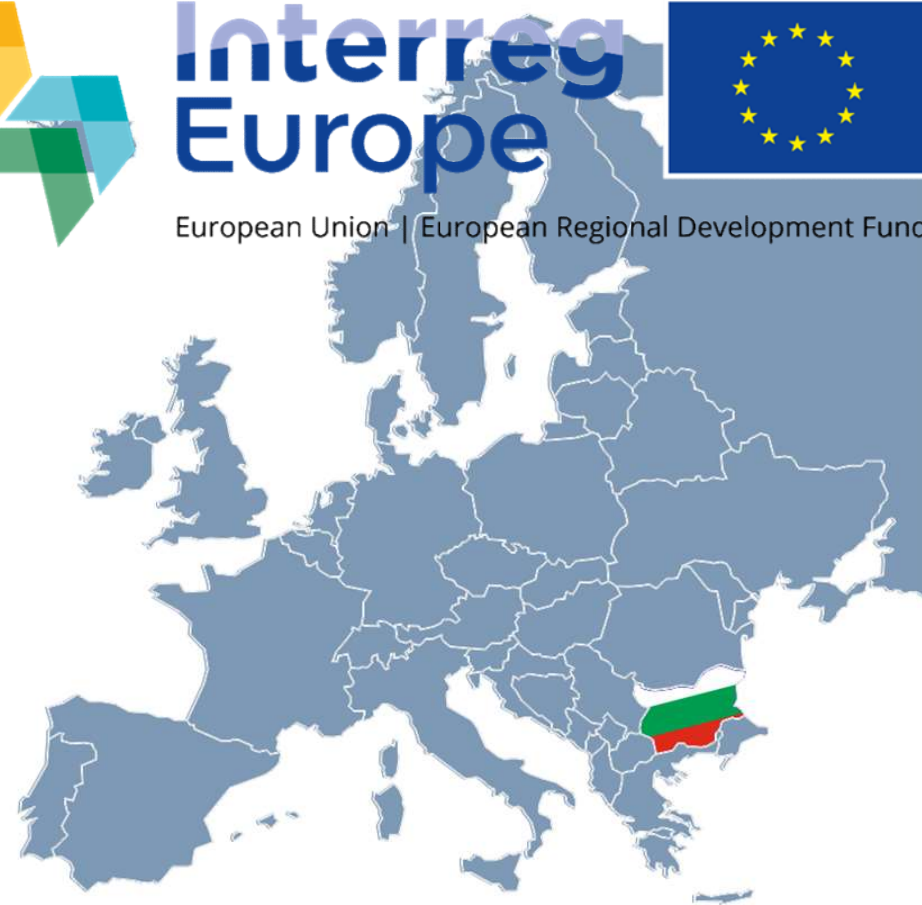
Challenges

18 June 2019  
Novotel Sofia



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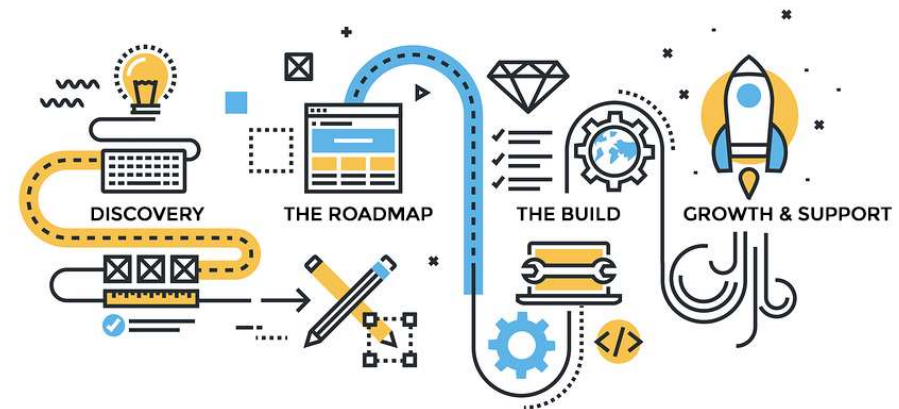
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# STRATEGIC DOCUMENTS FOR R&D&I SECTOR IN BULGARIA

1. **ISSS 2014-2020 (revised 2017) – by 2020: from “modest” to “moderate” innovator:**
  - Informatics and ICT
  - Mechatronics and Clean Technologies
  - Industry for healthy living and biotechnology
  - New technologies in creative and recreational industries
2. **National Strategy for Development of Scientific Research 2017-2030 “Better Science for better Bulgaria”**
3. **National Research Infrastructure Roadmap 2017-2023**
  - CoE & CoC will become part of it;
  - State will allocate public funding to ensure sustainability





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## POLICY MAKING BODIES

National Assembly

Council of Ministers

Ministry of Economy

Ministry of Education and Science

National Innovation Fund

OPIC

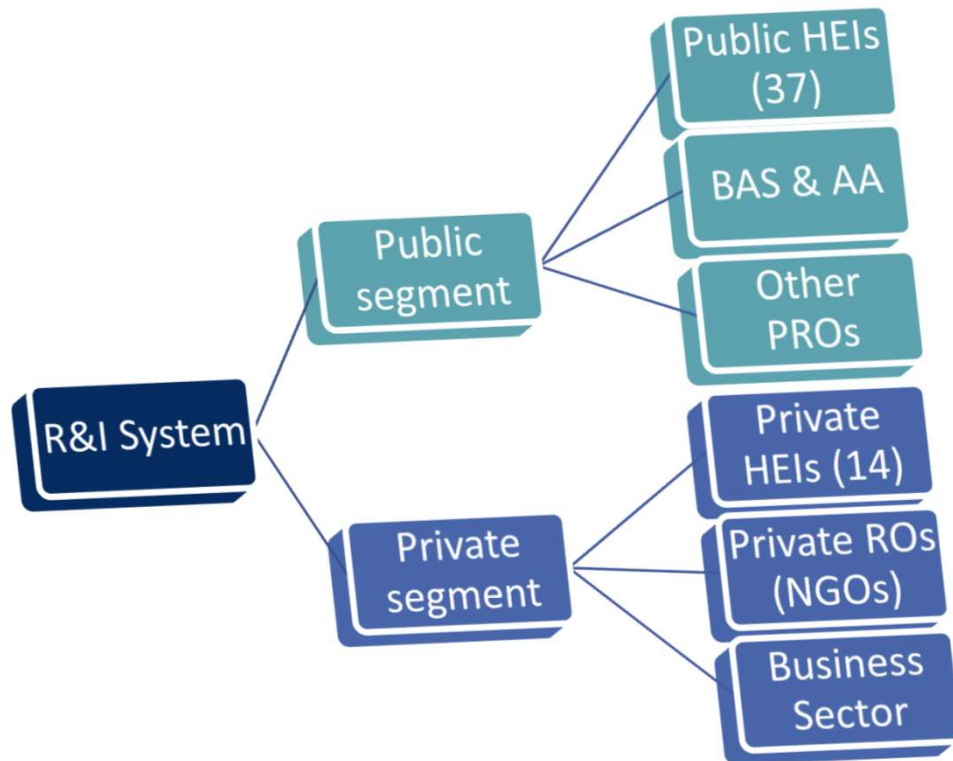
National Science  
Fund

OP SESG





## R&D&I SYSTEM SEGMENTS IN BULGARIA



- non very well integrated public and private segments
- highly centralized system (regulation and control)
- MES – oriented toward public sector
- ME – oriented toward private sector
- policies are devised and implemented separately;
- funding and support – depend on the type of beneficiary not the R&D field or opportunities for joint projects;



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## MAIN POLICY CHALLENGES

- 1) Lack of integrated policy instruments
- 2) Lack of managerial capacity – managers vs. scientists
- 3) Lack of instruments for shared research infrastructure
- 4) Better integration and Europeanization of the Bulgarian science, research and innovation





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**SCIENCE AND EDUCATION FOR SMART GROWTH OPERATIONAL PROGRAMME**

**PRIORITY AXIS**  
**No. 1 Research and  
Technological Development**



**Centres of Competence  
Centres of Excellence**

**PRIORITY AXIS**  
**No. 2 Education and Lifelong  
Learning**



**School education  
Higher education  
Vocational education**

**PRIORITY AXIS**  
**No. 3 Educational environment  
for active social inclusion**



**Active Inclusion  
Socio-economic integration**

**PRIORITY AXIS**  
**No. 4 Technical Assistance**

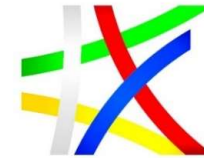


**Technical  
Assistance**



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### SCIENCE AND EDUCATION FOR SMART GROWTH OPERATIONAL PROGRAMME

TOTAL BUDGET  
1 271 383 550  
BGN

- TO BE ONE OF THE KEY INSTRUMENTS FOR ACHIEVING THE OBJECTIVES ADOPTED BY BULGARIA WITHIN THE FRAMEWORK OF THE STRATEGY FOR SMART, SUSTAINABLE AND INCLUSIVE GROWTH (EUROPE 2020 STRATEGY)

BUDGET OF PA 1  
460 014 274 BGN  
ERDF & NB

- TO SERVE AS AN EFFECTIVE TOOL FOR IMPLEMENTING COHESION POLICIES, ACCORDING TO THE AGENDA AT NATIONAL AND COMMUNITY LEVEL

BUDGET OF  
350 000 000 BGN  
FOR COE/ CoC

- TO INCREASE THE INVESTMENTS IN SCIENCE AND RESEARCH TO 1.5% OF GDP



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## PRIORITY AXIS 1 OF SESG OP 2014-2020

Increase the investment in R&D and innovation

Market-oriented research for increased innovation capacity

Investment in advanced research infrastructures and equipment

## EXPECTED RESULTS

Connectivity and interaction between R&D centres, schools of higher education and businesses

Business investment in R&D

Creation of networks and clusters



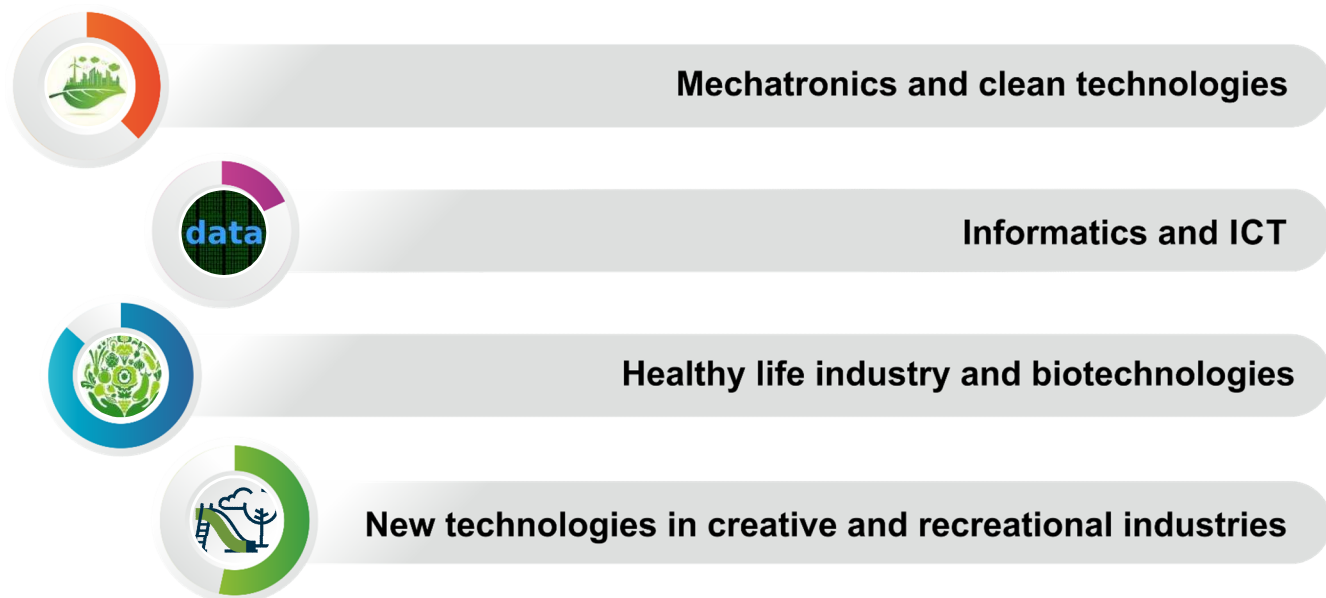
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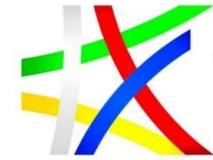
## THE BULGARIAN INNOVATION STRATEGY FOR SMART SPECIALISATION (ISSS) 4 THEMATIC AREAS





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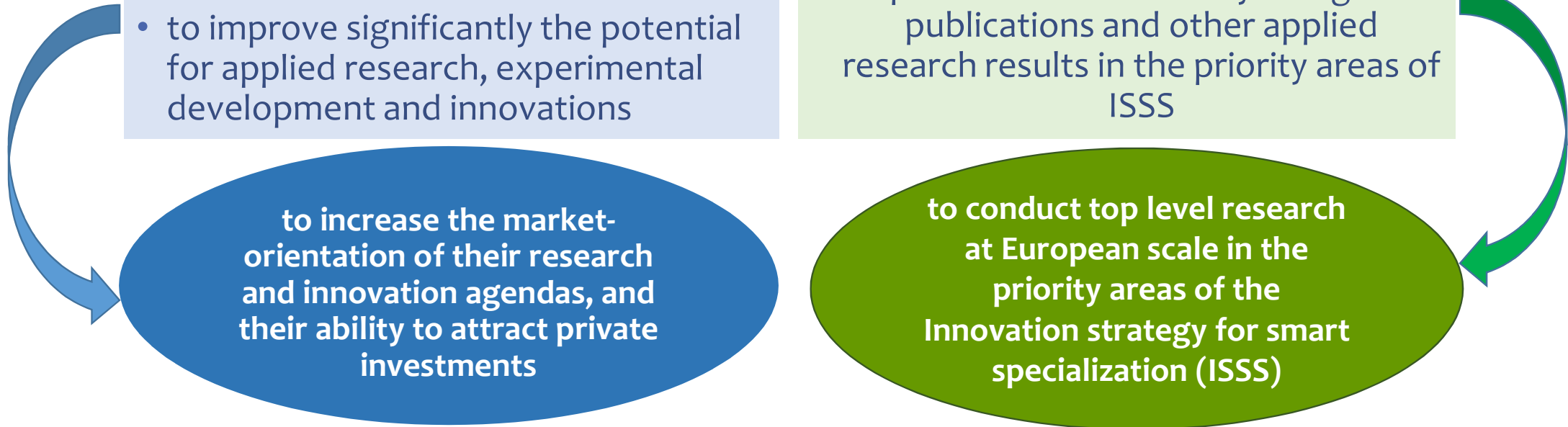
## CREATION AND DEVELOPMENT OF CENTERS OF EXCELLENCE (CoE) AND CENTERS OF COMPETENCE (CoC)

- to improve the capacity for generation of research excellence and innovation capacity
- to improve significantly the potential for applied research, experimental development and innovations

- to increase the scientific impact of the Bulgarian research organizations
- to produce internationally recognized publications and other applied research results in the priority areas of ISSS

to increase the market-orientation of their research and innovation agendas, and their ability to attract private investments

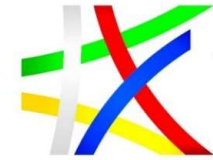
to conduct top level research at European scale in the priority areas of the Innovation strategy for smart specialization (ISSS)





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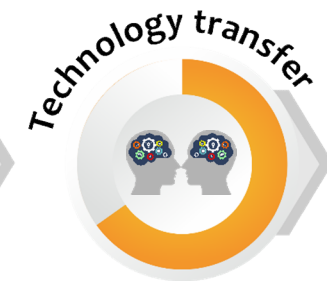
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### ACTIVITIES ELIGIBLE FOR FUNDING

- Modernization of existing scientific infrastructure and/or building of new infrastructure including construction activities;
- Purchase and upgrade of equipment, needed for implementation of research programmes;
- Implementation of research and development activities;
- Conducting market-oriented research at highest international level in the priority areas of ISSS
- Attracting researchers and top experts for conducting high level research in the priority areas of ISSS;
- Establishment of strategic partnerships and joint research programs with leading European research centres;
- Establishment of sustainable partnerships with business and conducting joint projects with private investors;
- Dissemination of the research results; knowledge and technologies transfer and supply of research services for the business.







## Project proposals for CoE and CoC

### FUNDING

- European Regional Development Fund and National co-financing

100% grant funding for procedures / contracts

### STATE AID

- The funding does not constitute State aid as it is awarded in accordance with item 20 of the Framework for State aid for research and development and innovation

does not constitute State aid

### IMPLEMENTATION

- Where, after the completion of a project, revenue has been generated, **which was not previously determined** in the financial analysis, the net revenue generated will be deducted from the project expenditure declared to the Commission and will be recovered by the beneficiary

net revenue that will be generated which was not previously determined will be reduced

### FINANCIAL ANALYSIS

- The financial analysis are prepared in accordance with Annex III Regulation (EU) 2015/2074 and the Guide to Cost-Benefit Analysis of investment projects of the EC

Financial analysis according to the Guide to Cost-Benefit Analysis

### ECONOMIC ACTIVITIES

- Economic activities which are purely ancillary and limited in scope do not exceed 20% of the relevant overall annual infrastructure capacity are eligible under the procedure

economic activities do not exceed 20%



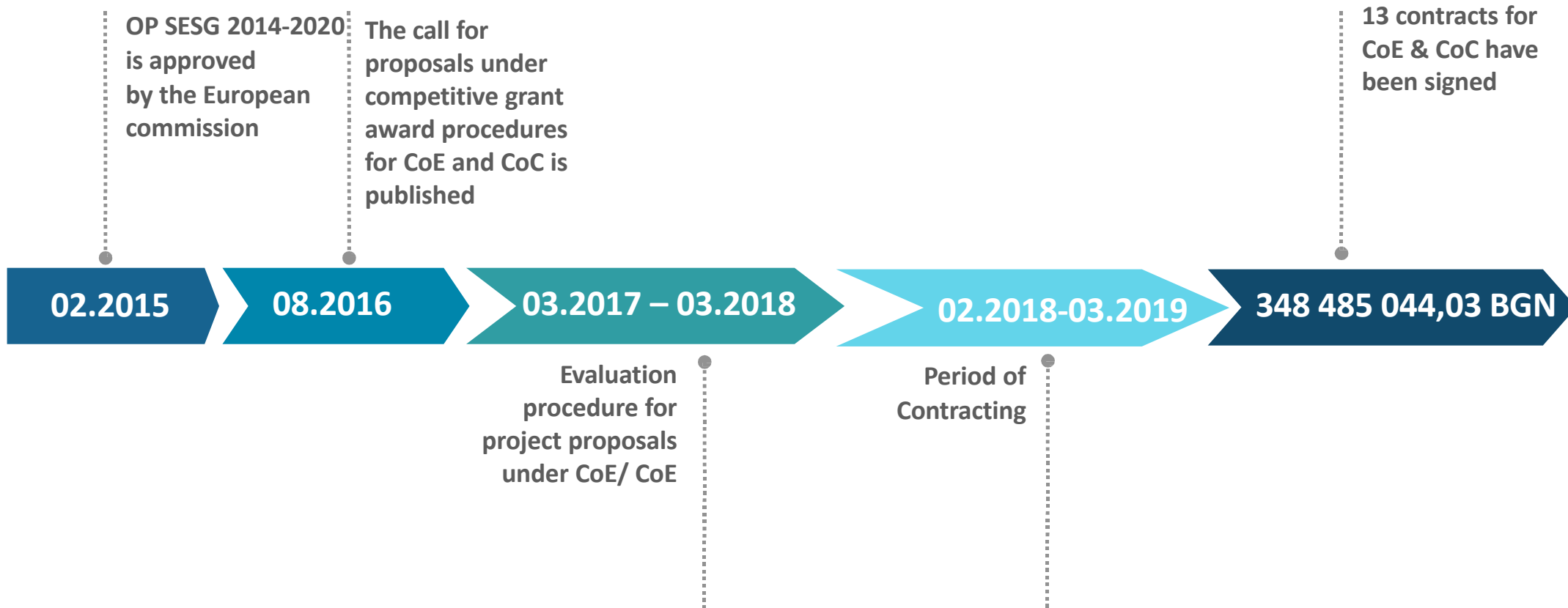
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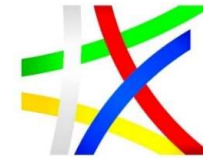
## REVIEW OF THE PROGRESS FOR CREATION AND DEVELOPMENT OF CoE/CoC





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**LIST OF CONTRACTS SIGNED UNDER CoE/CoC**

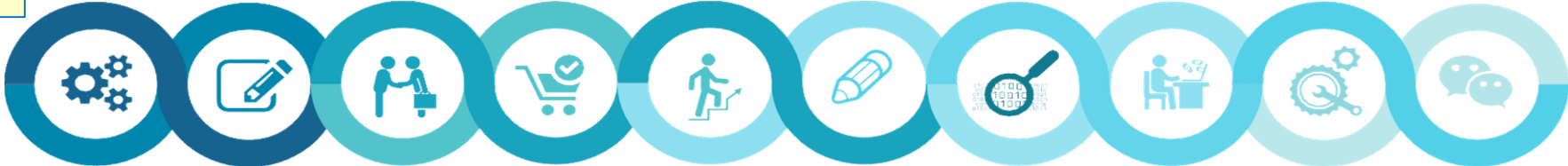
**Contracts signed under  
BG05M2OP001-1.001  
“Creation and  
development of Centres  
of Excellence“**  
  
158 107 822,84 BGN

National Centre for clean  
technology and  
Mechatronics  
69 184 529.81 BGN

Universities for  
science, Informatics  
and technology in  
society (UNITe)  
29 781 882.42 BGN

Centre of Excellence in  
Informatics and Information  
and Communication  
Technologies  
29 355 861.12 BGN

Construction and  
development of the  
Centre of excellence  
"Heritage BG"  
29 785 549.49 BGN



**Contracts signed under  
BG05M2OP001-1.002  
"Creation and  
development of Centres  
of Competence “**  
  
190 377 221.19 BGN

Clean&Circle  
23 667 925.86

Smart  
Mechatronic, Eco-  
and Energy Saving  
Systems and  
Technologies  
23 569 719.17

Digitization of the  
economy in an  
environment of Big data  
13 333 868.86

Sustainable utilization  
of bio-resources and  
waste of medicinal  
and aromatic plants  
for innovative  
bioactive products  
  
23 791 055.20

Personalized  
Innovative Medicine  
Competence Centre  
(PERIMED)  
23 472 018.71

Fundamental  
Translational and Clinical  
Investigations on  
Infections and Immunity  
23 638 258.00

HITMOBIL  
21 709 196.10

CoC Quasar  
13 500 000

CoC in the field of personalized medicine, 3D and  
telemedicine, robotic-assisted and minimally  
invasive surgery  
23 695 179.29



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EXPECTED RESULTS BY THE  
END OF 2023  
4 CoE & 9 CoC





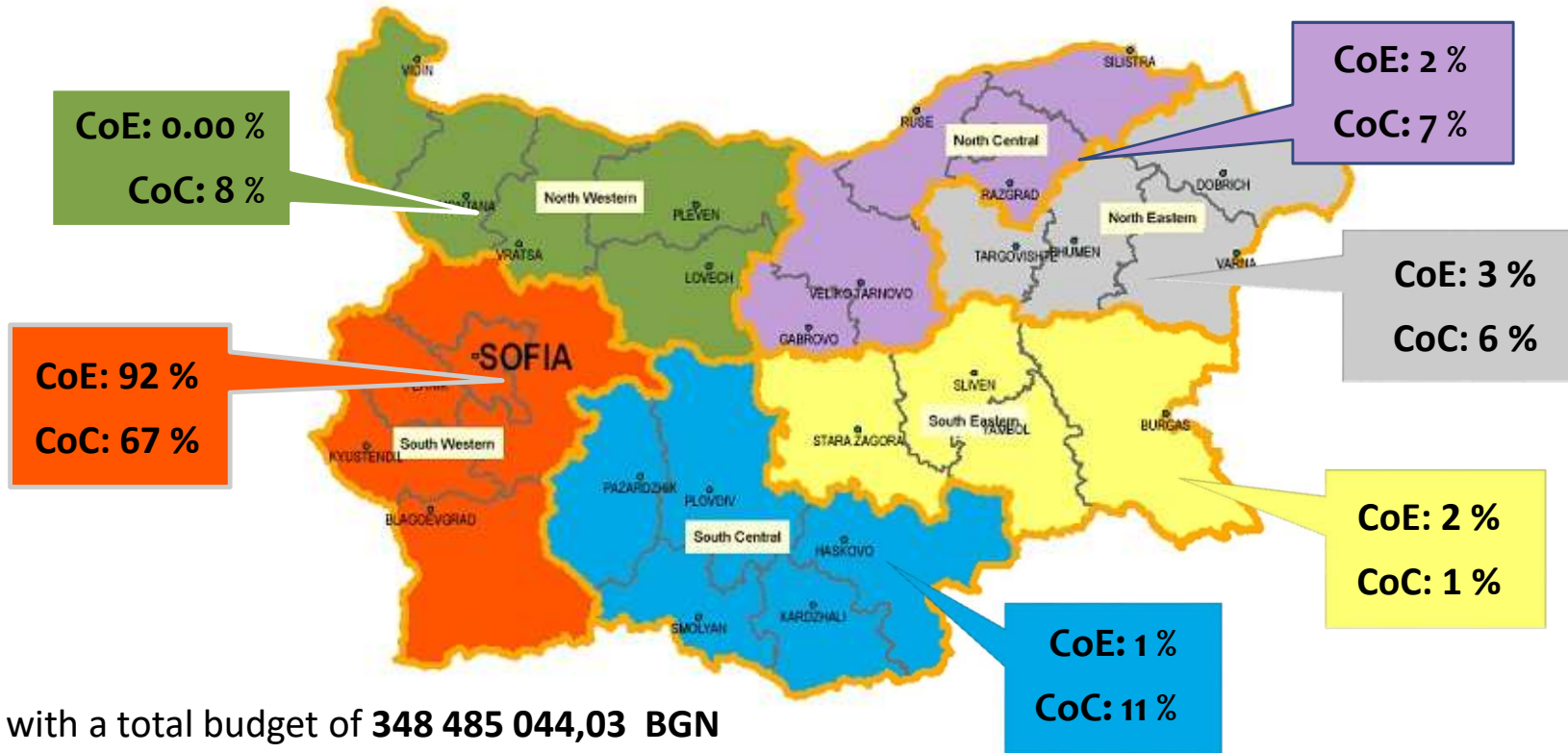
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## TERRITORIAL BALANCE AND SHARE OF FUNDS UNDER CoE/CoC

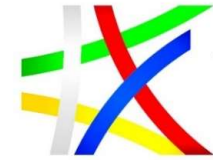


13 projects with a total budget of **348 485 044,03 BGN**



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### DEFICIENCIES IN THE PHASE OF IMPLEMENTATION



Implement



Monitor



GO LIVE



Sustain

Some scientific organizations/universities are involved in more than one project.

Lack of administrative experience in implementation of projects of such complexity

Some project positions are still vacant.

Low level of project readiness.

Lack of capacity on state aid issues and mechanism for knowledge transfer.

Difficulties in defining methods for dealing with revenues from patents, licences, know-how or other intellectual property as well as from research contracts, and fees paid by user companies.

No clear vision about future legal framework of the established CoE/CoC (non-profit making legal bodies, bodies governed by the public law, state companies, etc.)

No clear vision about future management bodies/body (steering committees, management boards, etc.) of the newly created structures.

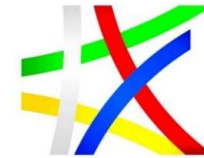
No clear vision about future capitalization of project results.

Technology transfer.



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## EXECUTIVE AGENCY „OPERATIONAL PROGRAMME „SCIENCE AND EDUCATION FOR SMART GROWTH”



OPERATIONAL PROGRAMME  
SCIENCE AND EDUCATION  
FOR SMART GROWTH

### TURNING THE DEFICIENCIES INTO EFFICIENCIES



The number of project partners (3 – 17) complicates the decision-making process. Lack of management experience in projects of such size.



Lack of capacity on state aid issues. Difficulties in defining methods for dealing with revenues.

Strengthening the administrative capacity of the beneficiaries



Proper addressing of state aid issues and balance between economic and non-economic activities. Establishing future mechanism for knowledge transfer. Establishing proper methods for dealing with revenues coming from 'intangible assets'.



No clear vision about future legal framework and management



No clear vision about future capitalization of project results and technology transfer

Defining the suitable future management structure and legal framework of the established CoE/CoC including changes in the current legislation.



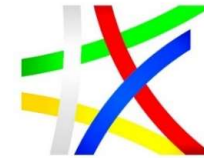
Defining a viable long-term strategy for future capitalization of project results and vision for the next programming period 2021-2027 - synergies with other funds and financial instruments.





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### Increasing the capacity of the beneficiaries

Simplification of administrative procedures for beneficiaries and introduction of new working approach

Conducting regular monthly meetings between the MA and the beneficiaries under PA 1 to discuss project progress, problems encountered and implementation issues

Designating individual teams at MA's level (including representatives of different directorates) responsible for conducting on-the spot visits of the signed contracts under PA 1 in the month following the monthly meeting

Organizing individual meetings with each project under PA 1 for tracking and discussing specific cases

Risk Assessment Task Force at project and Programme level established

Elaboration of targeted technical assistance based on the specific needs of the beneficiaries

Identifying problem areas on regular base and organizing thematic trainings on special topics related to ERDF financed projects – public procurement, state aid





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## Increasing the MA's capacity

Within MA there are experts working predominantly on PA1 (42 for monitoring and control)

Experts with specific expertise in the field of Engineering, Law and public procurement, state aid will be hired by the MA (9 new experts)

External experts will be contracted (as service) for consulting MA in the process of ex-ante control of terms of reference for construction works and equipment

Study visits with the MA of OPIC to similar CoE and CoC established abroad

Exchange with other MAs within EU with similar programs/axes finance by ERDF

Conference on Research Infrastructures 2019-2023

Collaboration with Interreg Europe, JRC, JASPERS and TAIEX-REGIO Peer2Peer support tools



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## ANNUAL FORUM/ANNUAL CONFERENCE OF RESEARCH INFRASTRUCTURES 2019-2023



Interreg Europe Policy Learning Platform



**TAIEX** SHARING  
EU EXPERTISE  
SINCE 1996



Regular communication and mutual understanding between the participants within the process of planning, approval, financing, execution of ERDF projects within the research and innovation area are essential for the beneficial resulting.

### ANNUAL FORUM/ANNUAL CONFERENCE OF RESEARCH INFRASTRUCTURES 2019-2023

The Annual forum/Annual conference will be held in cooperation with Sofia Tech Park in 2019 – 2023 with the intention to bring together participants who finance, manage, evaluate and execute research infrastructure projects namely:

EC: DG REGIO, DG R&I, JRC, Interreg Europe, JASPERS; Other European CoE/CoC;

CCU, Managing authorities, FMFIB, Sofia Tech Park; CoE&CoC Beneficiaries; Business organizations, etc.



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## WHAT IS A CENTRE OF EXCELLENCE ?



### Definition

- ❖ top-level research complexes conducting research in accordance with best international standards and practice and are evaluated in terms of the quality, quantity and impact of their research output. Such complexes should possess an extensive pool of top-level researchers, a well-defined organisational structure and an own research agenda.

### Objective

- ❖ The activities under the procedure must lead to the development of excellent and market-oriented research in accordance with the priority areas of the ISSS

### Added value

- ❖ Internal networking /Interdisciplinary teams
- ❖ Acquired / raised researcher qualification
- ❖ New projects initiate projects or become partners of new international projects.



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1869

**Project name: National center of mechatronics and clean technologies**  
**Contract: BG05M2OP001-1.001-0008-C01, Start/end date: 28.02.2018 - 31.12.2023**



**BENEFICIARY**

Institute of General and inorganic chemistry-  
Bulgarian Academy of Sciences



**PARTNERS**

- ❖ 11 Institutes which belong to the Bulgarian Academy of Sciences
- ❖ Sofia University „St. Kliment Ohridski“
- ❖ Technical University - Sofia
- ❖ Technical University – Varna
- ❖ Technical University - Gabrovo
- ❖ University of Chemical Technology and Metallurgy



**BUDGET**

69 184 529.81 BGN



**DURATION**

70 MONTHS



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Leading organization:

Institute of General  
and Inorganic Chemistry-BAS

Partners:

- 1 • Institute of Electrochemistry and Energy Systems „Acad. E. Budevski - BAS
- 2 • Institute of Catalysis – BAS
- 3 • Institute of Metal Sciences, Equipment and Technologies „Acad. A. Balevski” with Hydroaerodynamics Center - BAS
- 4 • Institute of Mechanics - BAS
- 5 • Institute of Mineralogy and Crystallography „Acad. Iv. Kostov - BAS
- 6 • Institute of Optical Materials and Technologies „Acad. J. Malinovski - BAS
- 7 • Institute of Organic Chemistry with Phytochemical Center - BAS

Project name:

National center of mechatronics  
and clean technologies

Partners:

- 8 • Institute of Polymers - BAS
- 9 • Institute of Solid State Physics - BAS
- 10 • Institute of Physical Chemistry „Acad. R. Kaischew – BAS
- 11 • Sofia University „St. Kliment Ohridski”
- 12 • Technical University - Sofia
- 13 • Technical University – Varna
- 14 • Technical University - Gabrovo
- 15 • University of Chemical Technology and Metallurgy
- 16 • Central Laboratory of Applied Physics to BAS - Plovdiv



Contract: BG05M2OP001-1.001-0008-C01  
Budget: **BGN 69 184 529,81**  
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1

Number of newly built  
infrastructure facilities in the  
CoE

73

Newly established scientific  
laboratories and units

24

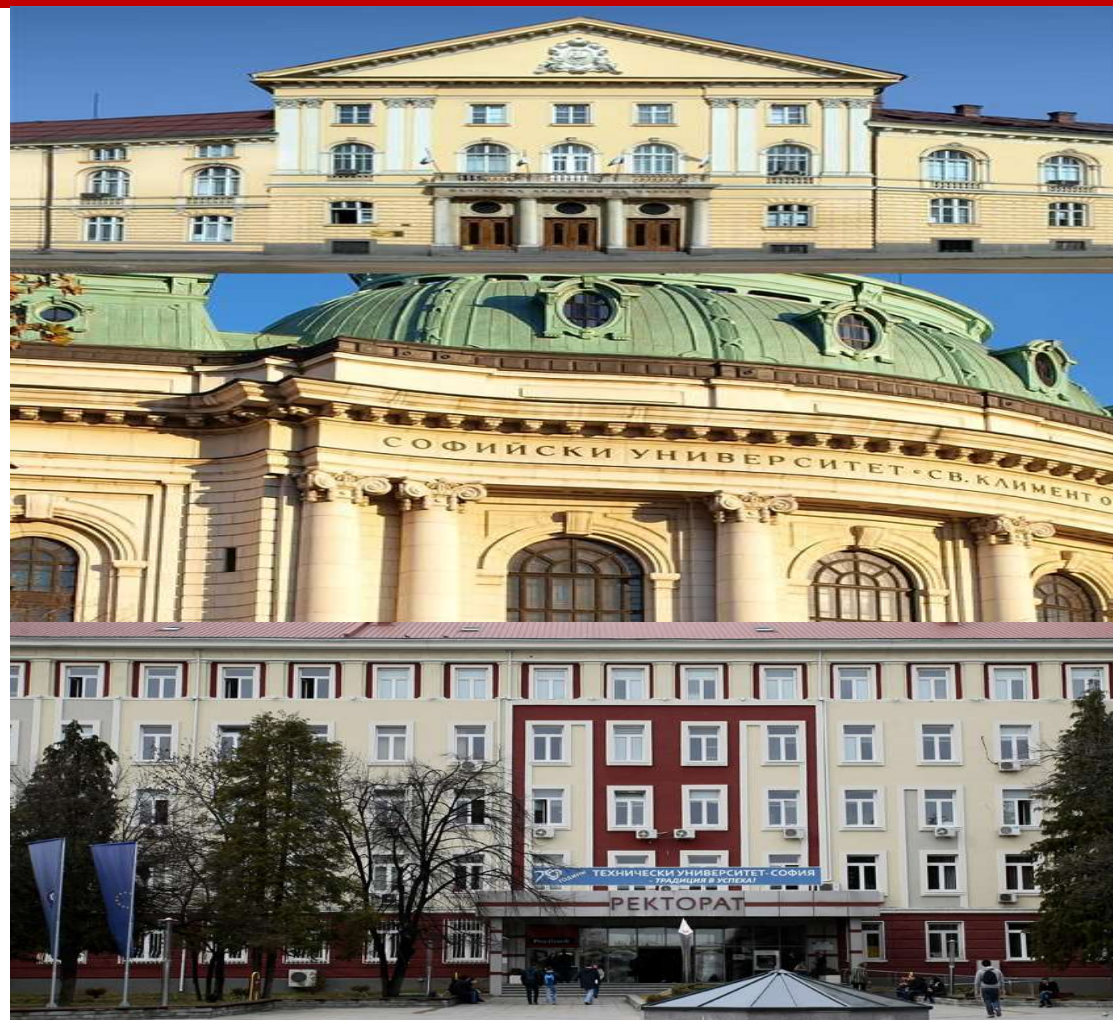
Number of new researchers in  
supported entities

35

Number of researchers  
working in improved research  
infrastructure facilities

10

Number of joint research  
projects between centres and  
businesses





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## WHAT IS A CENTRE OF COMPETENCE ?

### Definition

- ❖ top-level research complexes where research, technological development and innovation are fully integrated in accordance with best international standards and practice. The performance of CoCs will be evaluated in terms of their measurable research output and technological innovation. These research complexes should bring together an extensive pool of top-level researchers and technological developers and a well-defined organisational structure and own research and innovation agendas

### Objective

- ❖ Orientation towards faster technology transfer
- ❖ Faster and more efficient way to the market

### Added value

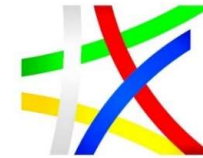
- ❖ Internal networking /Interdisciplinary teams
- ❖ Acquired / raised researcher qualification and competence
- ❖ New projects initiate projects or become partners of new international projects.



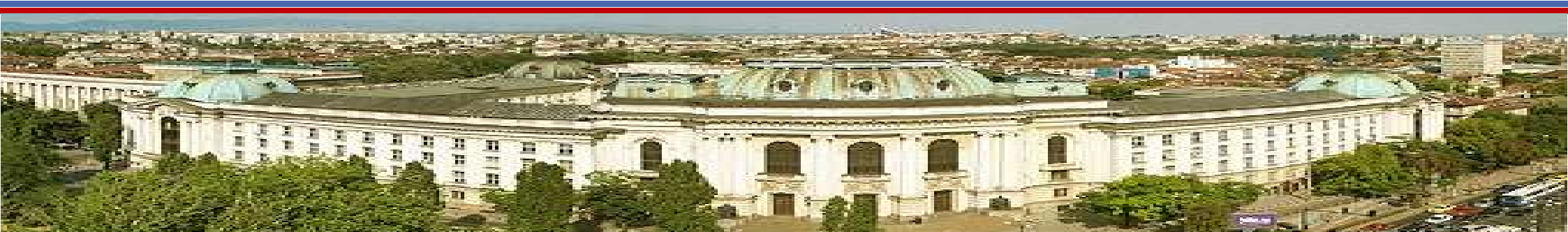


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**Project name: Clean technologies for sustainable environment – water, waste, energy for circular economy**

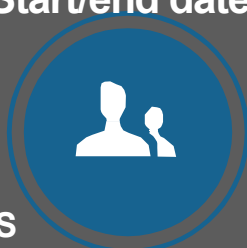
**Contract: BG05M2OP001-1.002-0019-C02**

**Start/end date: 30.03.2018 - 30.11.2023**



**BENEFICIARY**

Sofia University  
'St. Kliment Ohridski'



**PARTNERS**

- ❖ University of architecture, civil engineering and geodesy
- ❖ University of forestry – Sofia
- ❖ University “Prof. Asen Zlatarov” – Burgas
- ❖ Institute of Physical Chemistry at BAS
- ❖ Institute of organic chemistry CF of BAS
- ❖ Institute of Microbiology
- ❖ Foundation “Cleantech Bulgaria”



**BUDGET**

23 667 925,86 BGN



**DURATION**

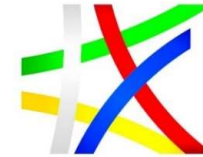
68 MONTHS





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Leading organization:

Sofia University  
 “St. Kliment Ohridski”

Partners:

- 1 • University of architecture, civil engineering and geodesy /UACEG/ through its Faculty of Hydraulic engineering /UACEG – FHE/ and Faculty of Structural engineering /UACEG-FSE/
- 2 • University of forestry – Sofia /UF/
- 3 • University “Prof. Asen Zlatarov” – Burgas /BU/;
- 4 • The Rostislav Kaishev Institute of Physical Chemistry at BAS /IPC-BAS/
- 5 • Institute of organic chemistry with a centre of phytochemistry of BAS /IOCCP-BAS/;
- 6 • The Stephan Angeloff Institute of Microbiology /IM-BAS/;
- 7 • Foundation “Cleantech Bulgaria” /CB/

Project name:  
 Clean technologies for sustainable environment – water, waste, energy for circular economy



Contract: BG05M2OP001-1.002-0019-C02  
 Budget: BGN 23 667 925,86  
 Start date/end date: 30.03.2018 - 30.11.2023



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infrastructure facilities in the  
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Number of researchers  
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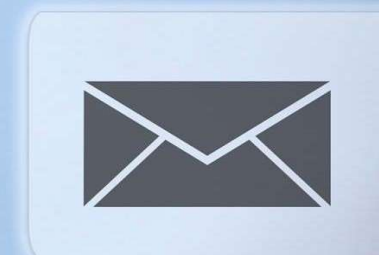
Number of joint research  
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businesses





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**THANK YOU FOR YOUR ATTENTION!**

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