

www.uefiscdi.gov.ro

15 October 2019

Oslo, Norway

Romania at a glance

Location: in Southeastern Europe, it borders the Black Sea, Bulgaria, Ukraine, Hungary, Serbia and Moldova

Area: 238.391 square kilometers

Inhabitants: over 19 million inhabitants, the country is **the seventh most populous** member state of **the European Union**

Currency: leu

Official language: Romanian

NATO member state: since 29th of March 2004

EU member state: since 1st of January 2007



Key facts

Ministry of National Education

- 54 public universities
- 47 private universities
- 386.814 students
(6,27 % students from abroad)
- 105.111 master students
(3,59 % students from abroad)
- 20.767 PhD candidates
(4,82 % students from abroad)

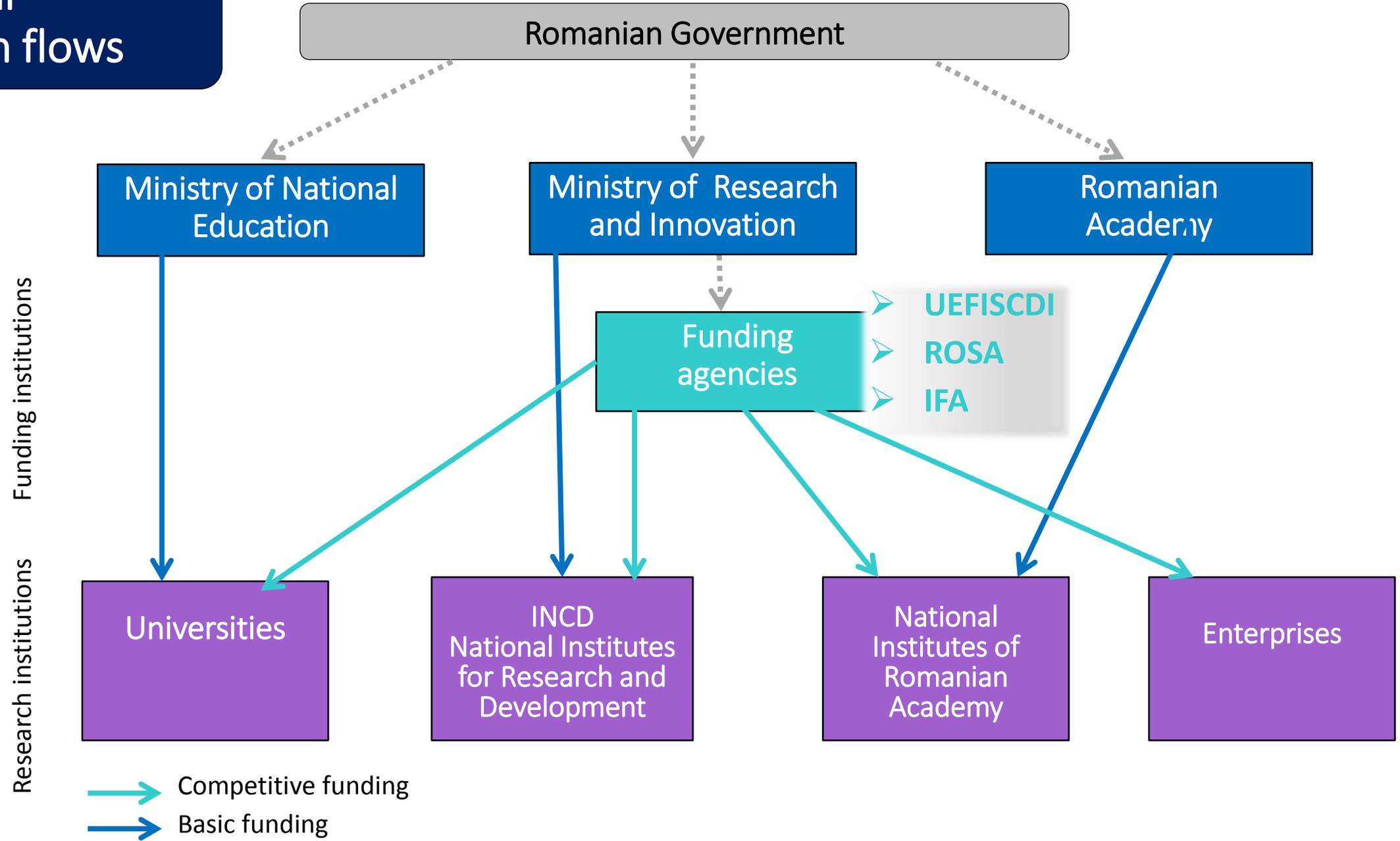
Ministry of Research and Innovation

48 National Research and
Development Institutes

Romanian Academy

60 Research Institutes

Financial research flows



RDI National Strategy 2014-2020

RDI National Plan

1

Increase competitiveness of Romanian economy through innovation

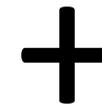
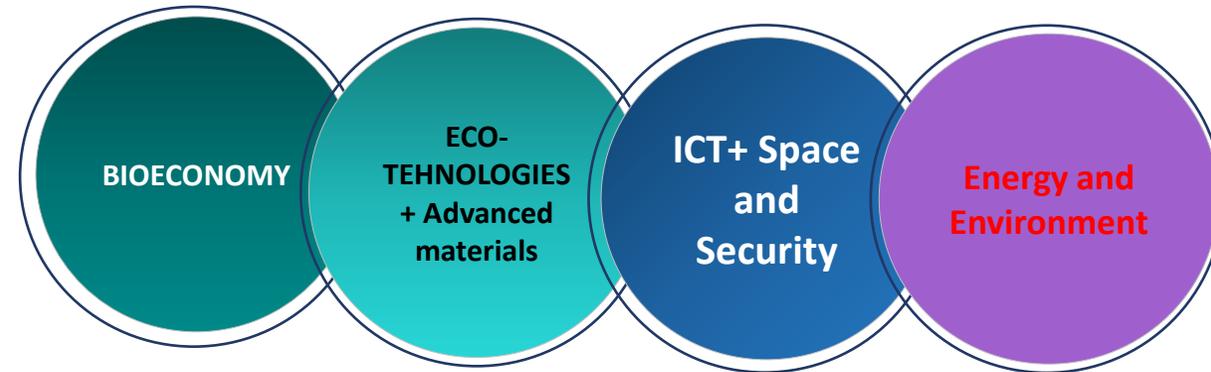
2

Increase Romanian contribution to the progress of frontier knowledge

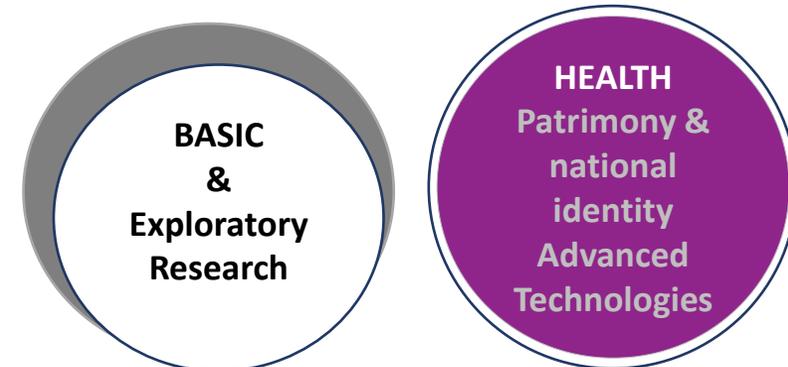
3

Increase the role of science in society

Smart specializations



Public sector priorities



National RDI Plan 2015-2020

PNCDI



1

Programme 1:

Development of the National Research and Development System

2

Programme 2:

Increase the Competitiveness of the Romanian Economy through Research, Development and Innovation

3

Programme 3:

European and International Cooperation

4

Programme 4:

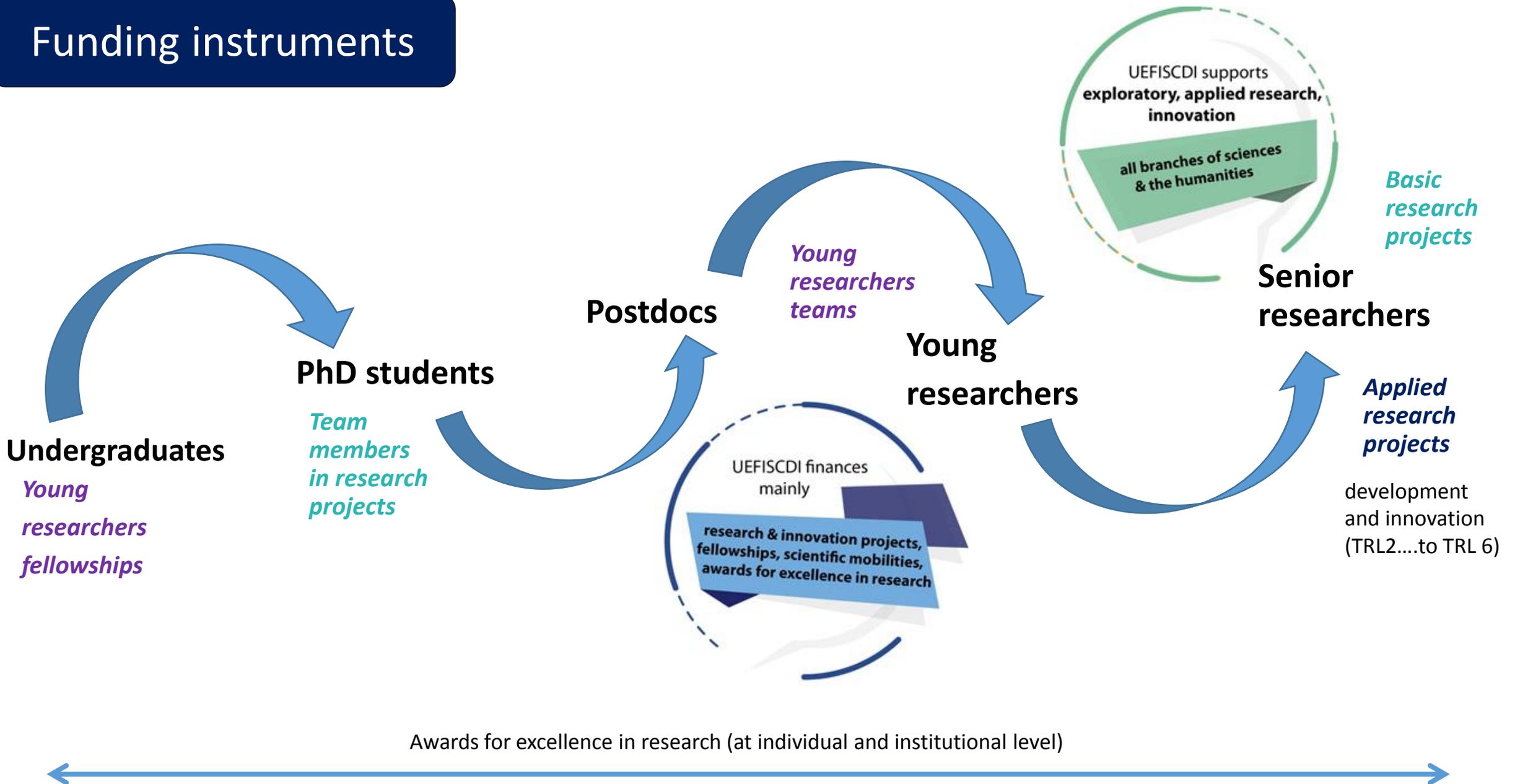
Fundamental and Frontier Research

5

Programme 5:

Research in Areas of Strategic Interest (Strategic Projects for Romania)

Funding instruments



2014 & 2019

National RDI Plan calls under UEFISCDI coordination

47 calls for human resources, applied & basic research, institutional performance, awards for excellence in research

19.264 project proposals submitted

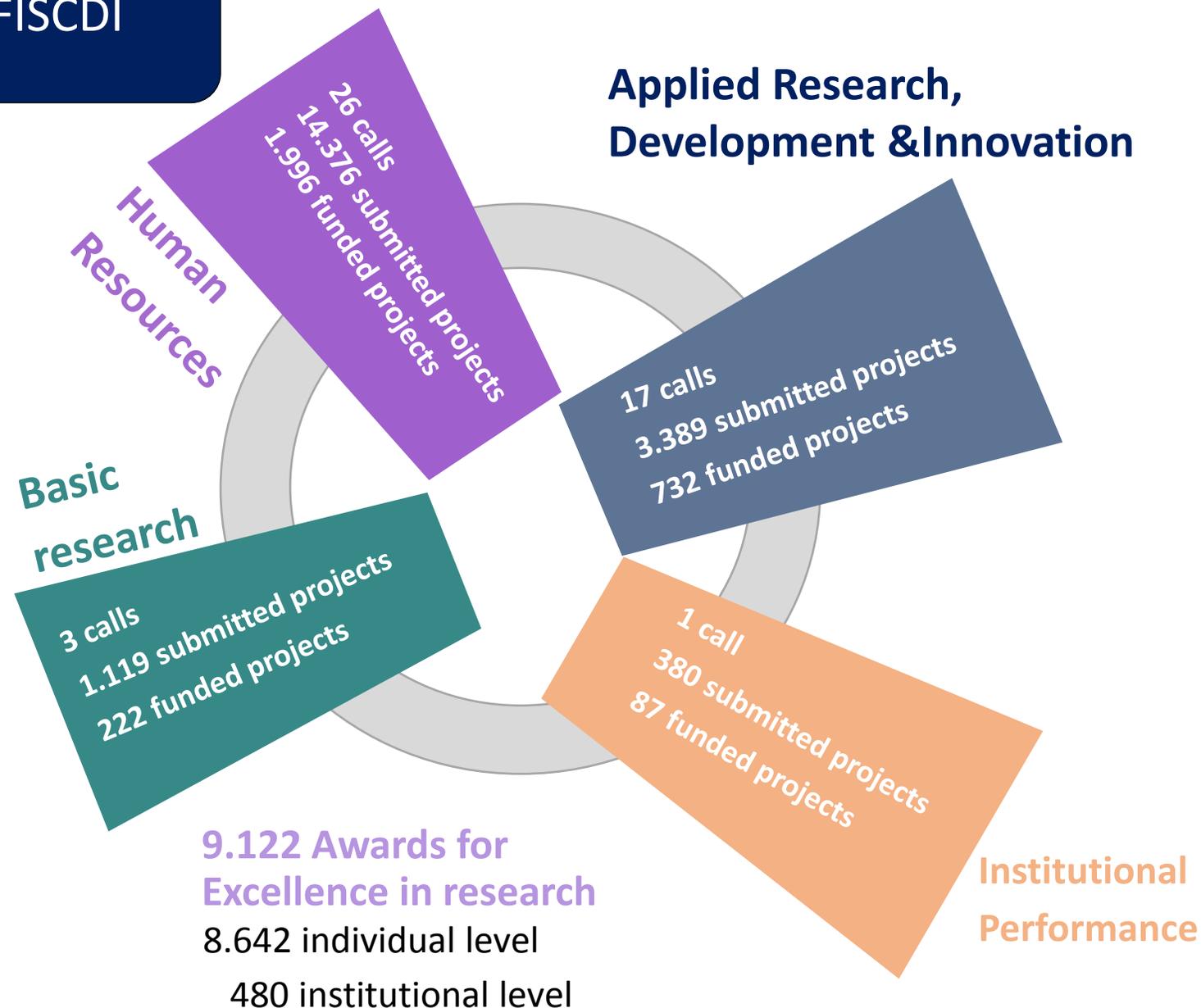
3.037 funded projects

9.122 awards for excellence in research

3.457 independent experts used in evaluation process

Allocated budget (2014-2019)

342 mil. euro



UEFISCDI – FP7/HORIZON 2020

36

ERA-NET

- 2018 → 2nd place
- 2017 → 1st place
- 2016 → 1st place
- 2015 → 1st place
- 2014 → 1st place
- 2013 → 2nd place
- 2012 → 1st place



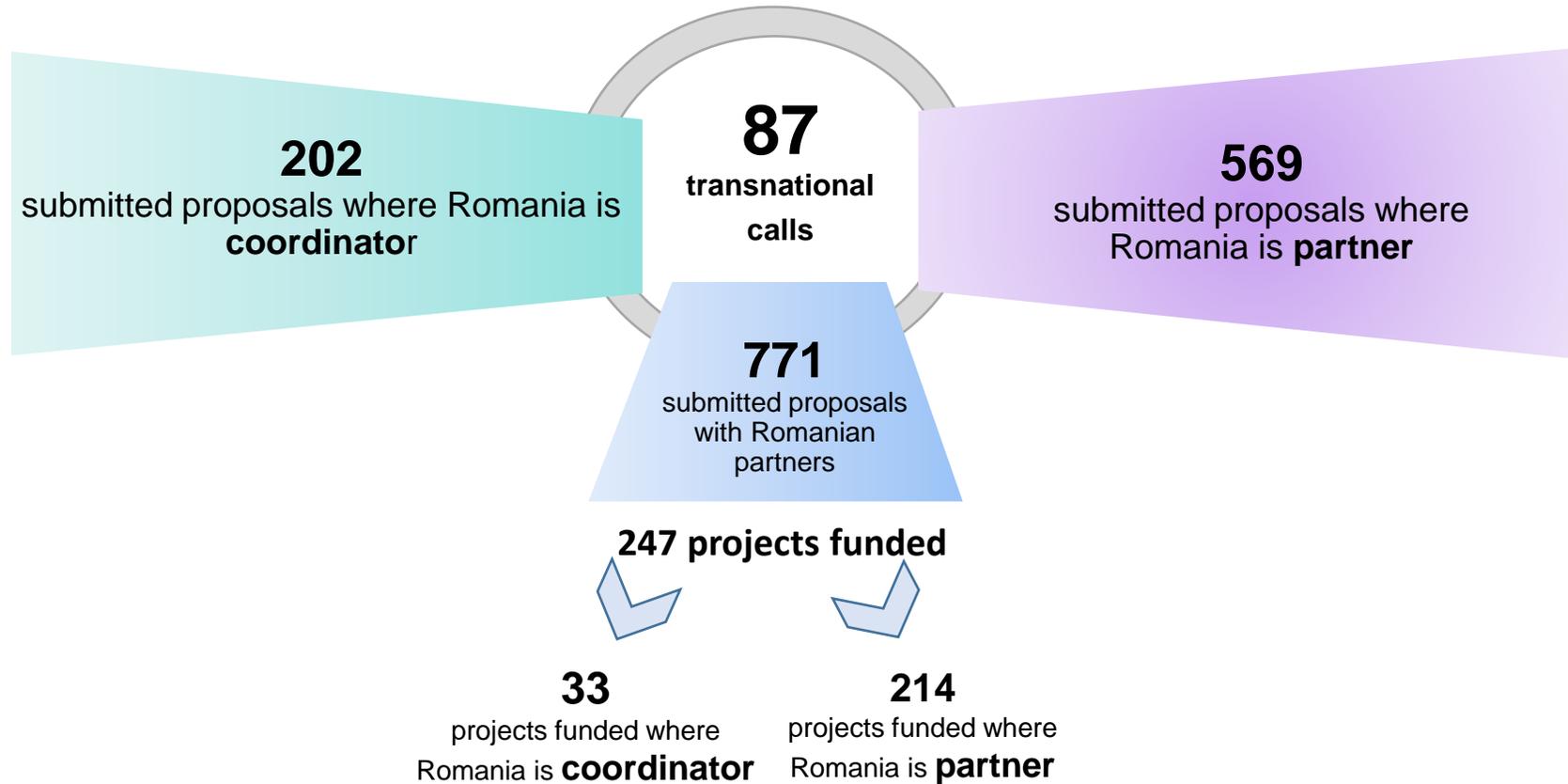
in the list of Romanian entities accessing FP 7/HORIZON 2020 projects (European Research Ranking)

Distribution of ERA-NET projects

2014
2018



ERA-NET/ERA-NET Cofund projects:
Romania participated in **87 calls ERA-NET/ERA-NET Cofund**



2019



were launched **19 ERA-NET calls**
now are in different evaluation process stage

UEFISCDI – top 5 collaboration with other funding agencies in ERANET networks

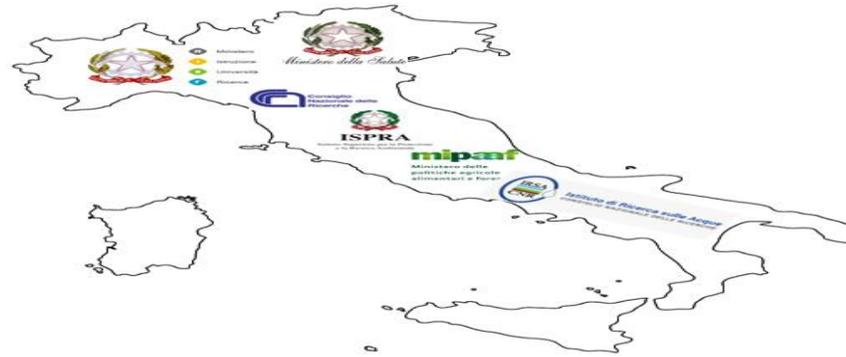
France

31 ERANET collaborations



Italy

27 ERANET collaborations



Germany

28 ERANET collaborations



Belgium

30 ERANET collaborations



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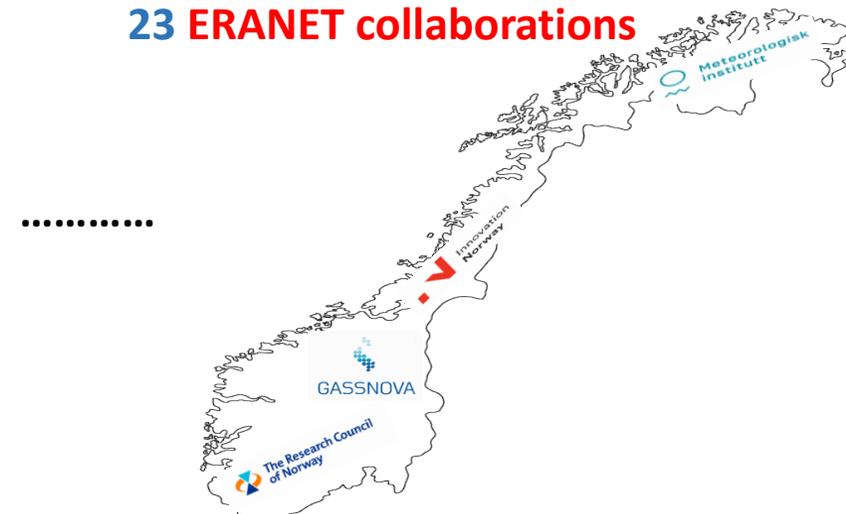
Turkey

30 ERANET collaborations



Norway

23 ERANET collaborations

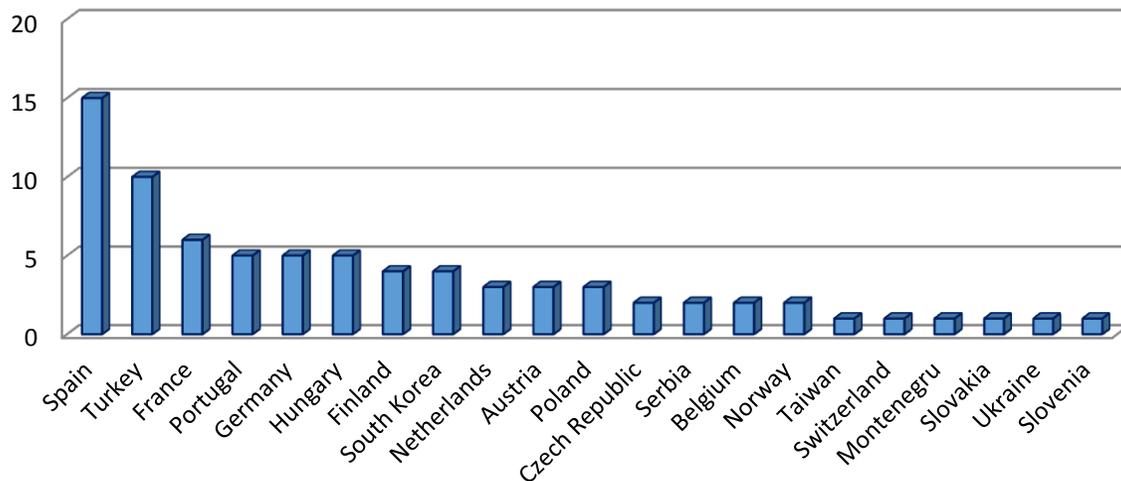


EUREKA

- Supporting the participation of companies from Romania, in partnership with research organizations in international research programs which facilitate mobility of researchers, the circulation of ideas and knowledge, access to transnational networks of collaboration.

2016 ➤ Romania participated in **4 EUREKA calls - 41 funded projects**
2019

EUREKA partners countries in funded Romanian projects



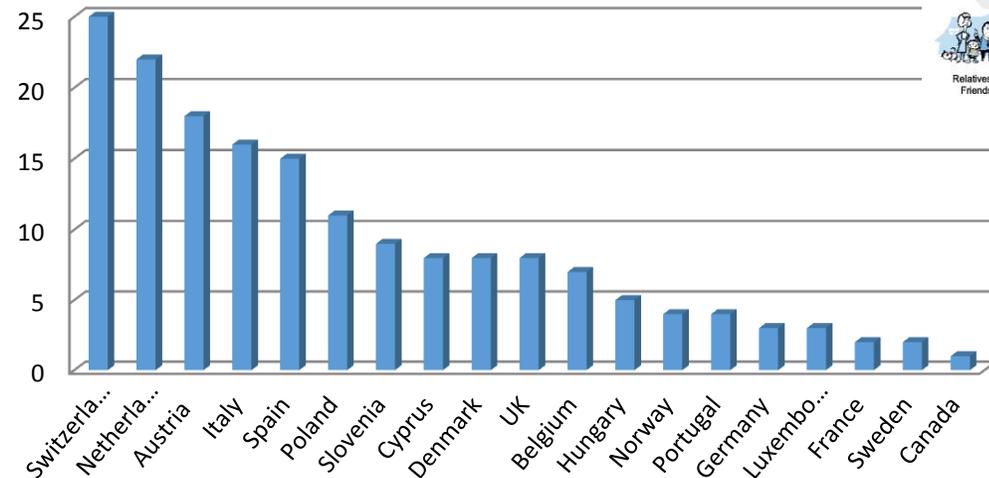
AAL – Ambient Assisted Living

- A funding programme aiming to create better quality of life for older people and to strengthen industrial opportunities in the field of healthy ageing technology and innovation.
- 27 funding agencies from 22 countries.

2011 ➤ Romania participated in **8 AAL calls - 54 funded projects**
2018

2019 ➤ Romania participated in 2019 call

AAL partner countries in funded projects

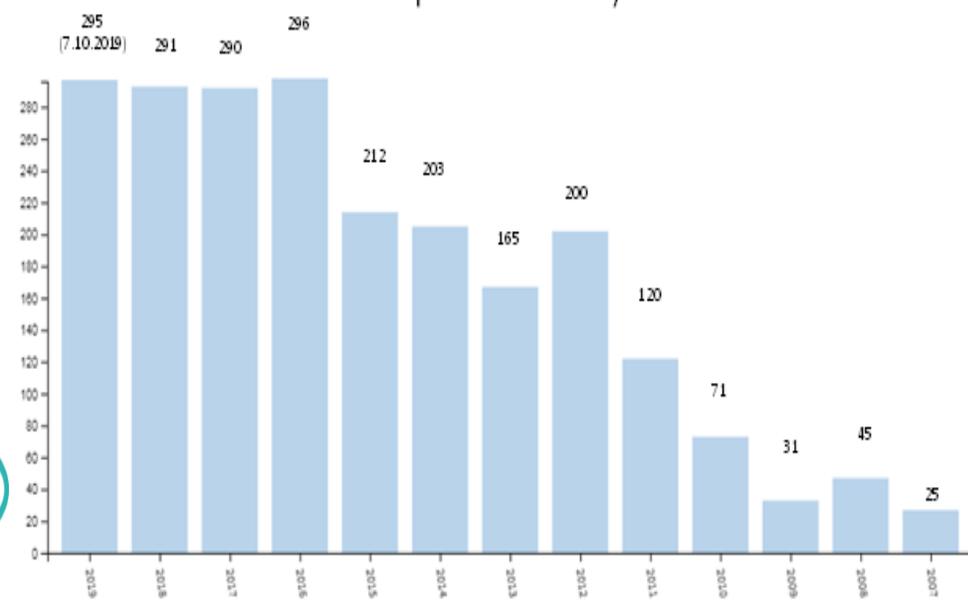


Romania, 2007-2019, WEB of SCIENCE Core Collection co-authorship

Top 30 Countries co-authorship of the Article or Review Documents

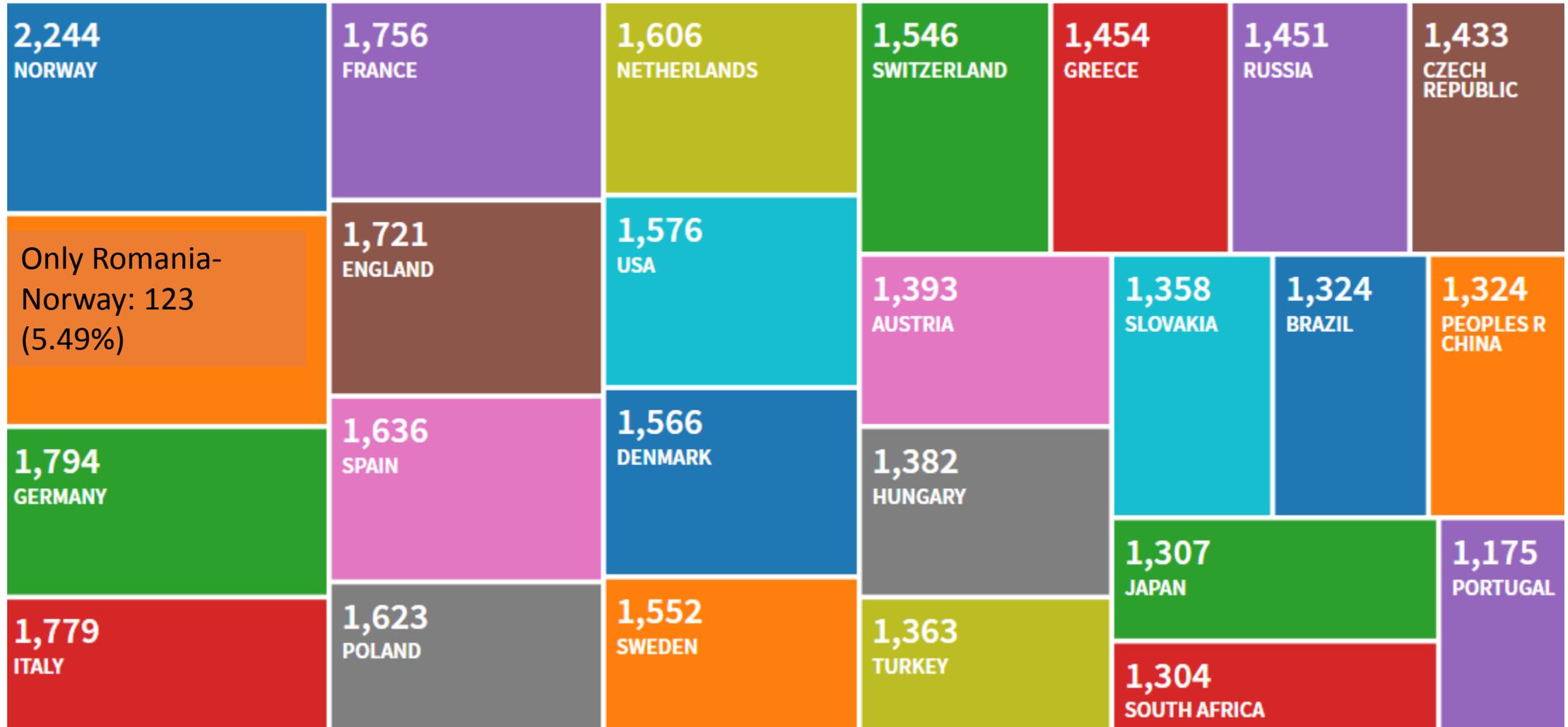


The distribution of the 2244 Article or Review Documents on publication years



Romania-Norway, 2007-2019, WEB of SCIENCE Core Collection co-authorship

Top co-authorship (Article or Review Documents) countries



Romania-Norway, 2007-2019, WEB of SCIENCE Core Collection co-authorship

The top of the Highly cited bilateral Article or Review publications (123)

Results: 123
(from Web of Science Core Collection)

You searched for: cu=romania and py=2007-2019 ...More

Create Alert

Refine Results

Search within results for...

Filter results by:

- Open Access (33)
- Associated Data (1)

Refine

Publication Years

- 2019 (15)
- 2018 (13)
- 2017 (27)
- 2016 (13)
- 2015 (4)

Sort by: Date **Times Cited** Usage Count Relevance More

1 of 13

Select Page Export... Add to Marked List

1. **Comparison of Fenton and sono-Fenton bisphenol A degradation**
By: Ioan, Iordache; Wilson, Steven; Lundanes, Elsa; et al.
JOURNAL OF HAZARDOUS MATERIALS Volume: 142 Issue: 1-2 Pages: 559-563 Published: APR 2 2007
View Abstract

2. **A new approach for solving Nonlinear equations systems**
By: Grosan, Crina; Abraham, Ajith
IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART A-SYSTEMS AND HUMANS Volume: 38 Issue: 3 Pages: 698-714 Published: MAY 2008
View Abstract

3. **Influence of chitosan on mechanical, thermal, barrier and antimicrobial properties of PLA-biocomposites for food packaging**
By: Rapa, Maria; Mitelut, Amalia Carmen; Tanase, Elisabeta Elena; et al.
COMPOSITES PART B-ENGINEERING Volume: 102 Pages: 112-121 Published: OCT 1 2016
View Abstract

4. **Chemical, Antioxidant and Antimicrobial Investigations of Pinus cembra L. Bark and Needles**
By: Apetrei, Cristina Lungu; Tuchilus, Cristina; Aprotosoae, Ana Clara; et al.
MOLECULES Volume: 16 Issue: 9 Pages: 7773-7788 Published: SEP 2011
Free Full Text from Publisher View Abstract

Analyze Results
Create Citation Report

Times Cited: 103
(from Web of Science Core Collection)
Usage Count

Times Cited: 86
(from Web of Science Core Collection)
Usage Count

Times Cited: 38
(from Web of Science Core Collection)
Usage Count

Times Cited: 38
(from Web of Science Core Collection)
Usage Count

26.83%

Romania-Norway, 2007-2019, WEB of SCIENCE Core Collection co-authorship

The distribution of the **bilateral** Article or Review Documents (**123**) based on WEB of SCIENCE Categories



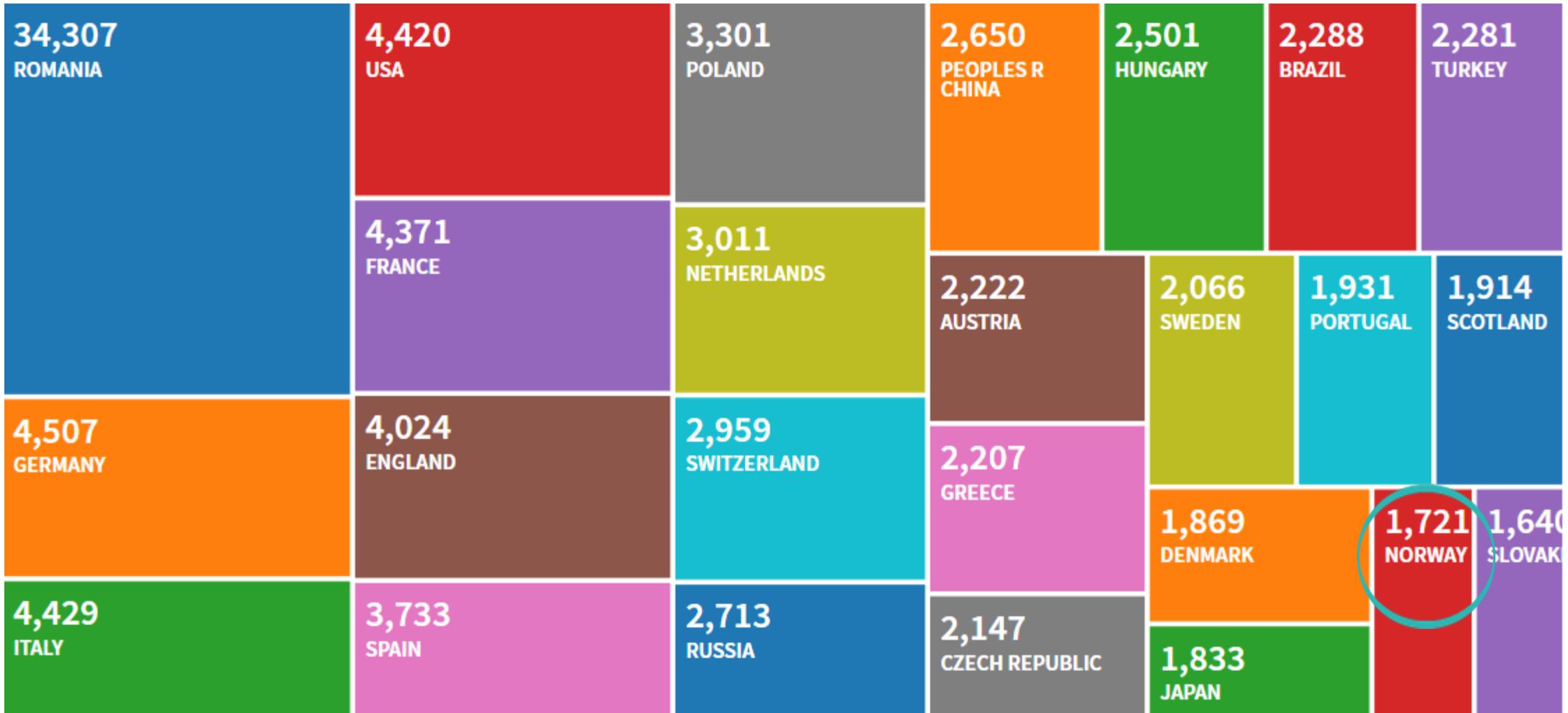
Romania-Norway, 2007-2019, WEB of SCIENCE Core Collection co-authorship

Top of organizations – institutional affiliations based on **Bilateral Article or Review Documents (123)**



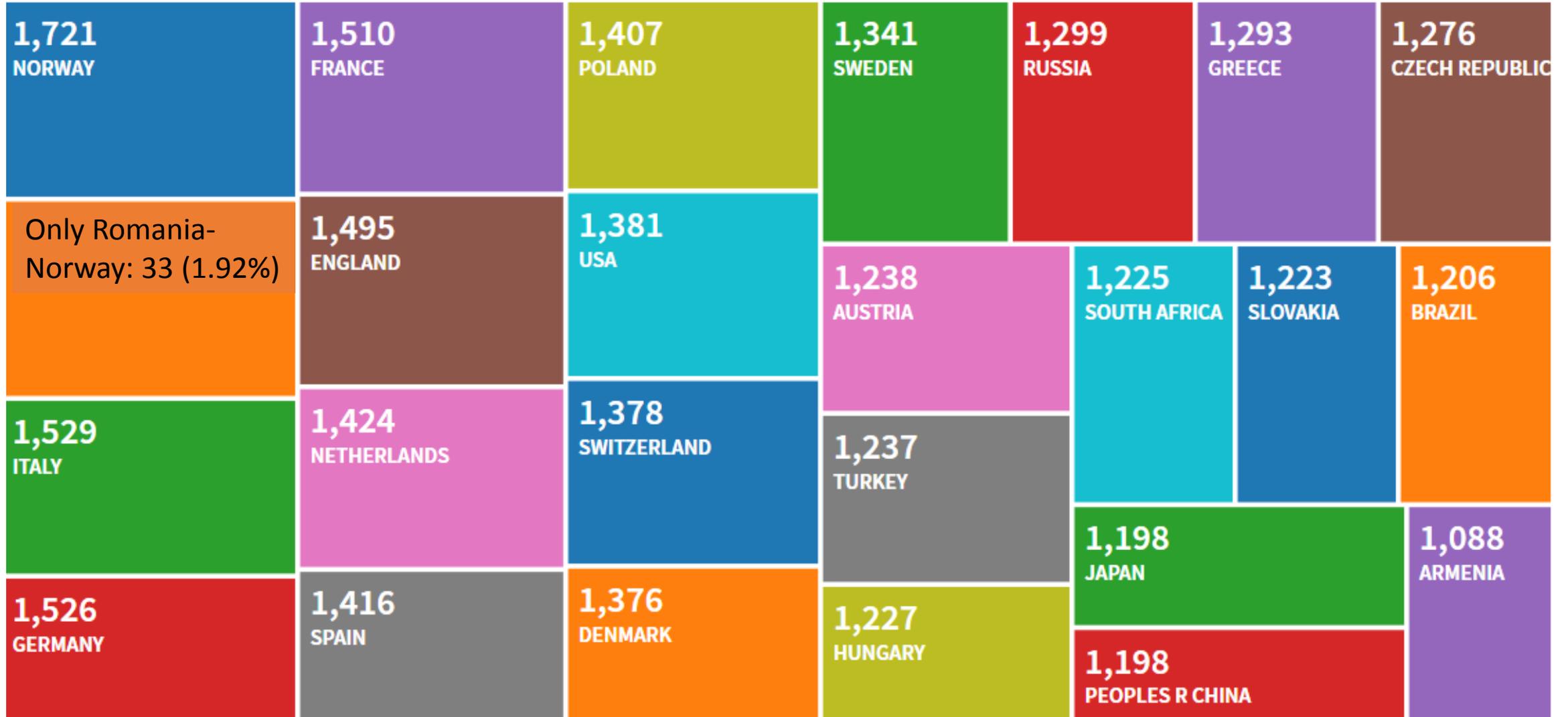
Romania, 2012-2019, WEB of SCIENCE Core Collection co-authorship of Open Access documents

Top 25 Countries co-authorship



Romania-Norway, 2007-2019, WEB of SCIENCE Core Collection co-authorship

Top co-authorship (Open Access Documents) countries



Interconnectivity the key to come true

WFSF Award
for Futures
Institutions
2014

UEFISCDI

Membership:

- ➔ EARMA, EARTO, WFSF, AAL, EUREKA, EUROSTARS, ESF (12 years member)
- ➔ Science Europe (16 May 2019, UEFISCDI – as a new member organisation!)

Strategic partnerships & cooperation agreements:

- ➔ **RNC Norway & RANNIS Iceland**
EEA Financial Mechanism 2014 -2021
EEA Financial Mechanism 2009 – 2014
- ➔ Agence Nationale de la Recherche
- ➔ **Swiss National Science Foundation & Rectors's Conference of the Swiss Universities**
Romanian - Swiss Research Programme 2011 – 2016
Sciex-NMSch ended

UEFISCDI trademarks



Study in Romania platform was designed to promote Romanian higher education system at global/international level, as this contributes to attracting national and international students to choose study programmes offered by the Romanian HEIs.

www.studyinromania.ro

1.908	Infrastructures
9.051	Research Services
341	Technological Services
26.004	Equipment

ERRIS is the Romanian Research Infrastructures Registry and the **first Romanian online platform that reunites public and private research infrastructures**, being a single access point in identifying the appropriate research services.

www.erris.gov.ro



Brainmap serves researcher needs, interests and gathers most actors involved in research and innovation area. The platform was developed to meet the particular needs of each user and the information is filtered according to specific interests and skills in order to facilitate access to relevant updates for each one. It is also the pool for evaluators involved in the national evaluation processes for the R&DI projects.

www.brainmap.ro

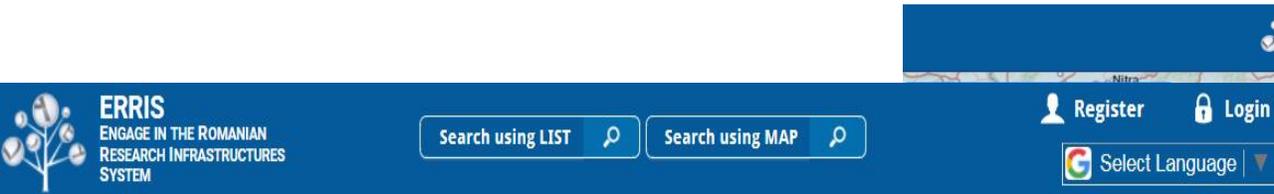
35.357 accounts
6.028 researchers from abroad
29.329 RO researchers
25 NO researchers

REI ensures interoperability between existing management systems in the education sector – primary school, higher education and lifelong learning – and other management systems through a cloud solution, in order to obtain an educational and professional complex profile of a person.

www.rei.gov.ro



The research infrastructures need not only to become visible, but service oriented



ERRIS
ENGAGE IN THE ROMANIAN
RESEARCH INFRASTRUCTURES
SYSTEM

Register Login

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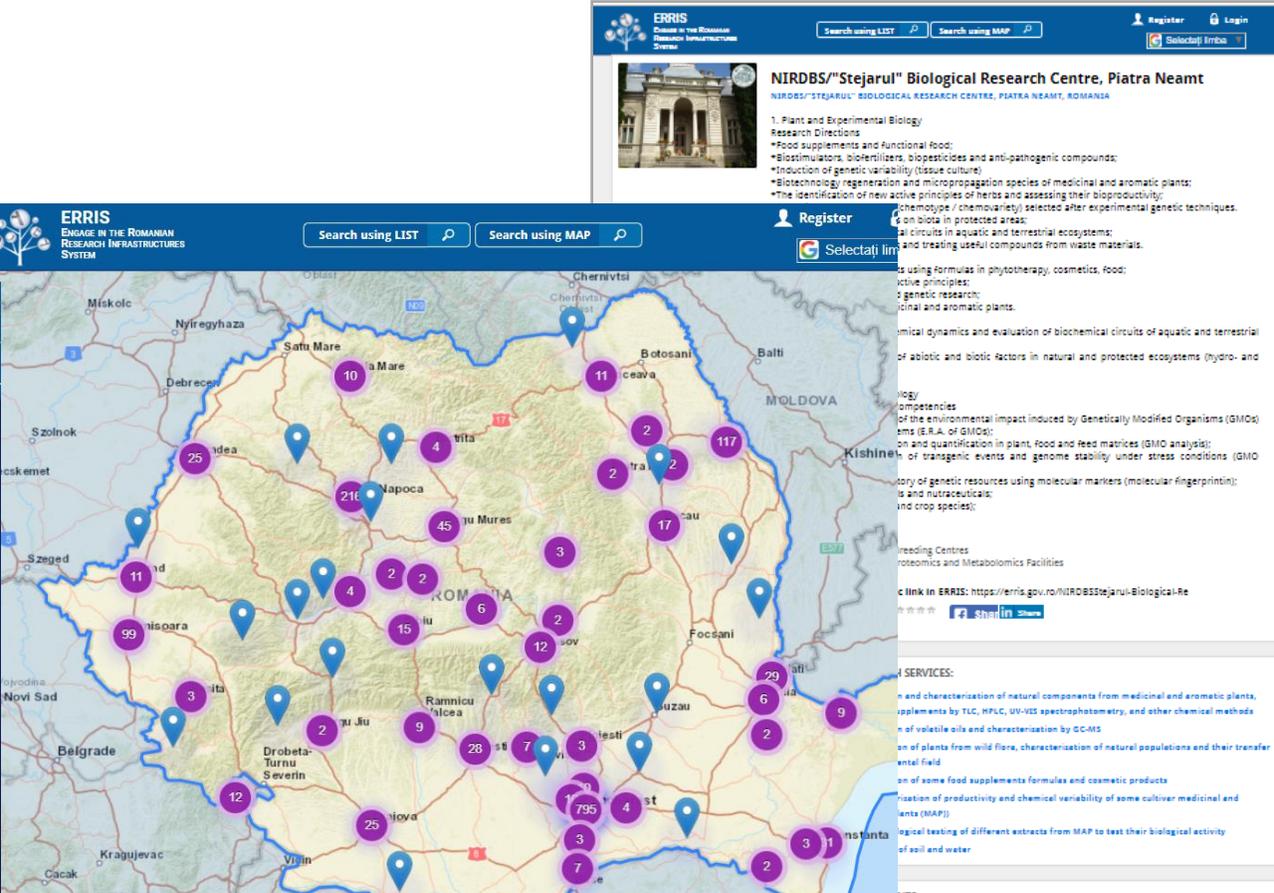
Search using LIST Search using MAP

Welcome to ERRIS

Registry of Romanian Research Infrastructures,
the booking gate for **research infrastructures**,
research & technological services.

INFRASTRUCTURES MAP BROWSE REGISTRY

1.879 Infrastructures with **8.976** Research Services, **318** Technological Services, **25.512** Equipments



ERRIS
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NIRDBS/"Stejarul" Biological Research Centre, Piatra Neamt
NIRDBS/"STEJARUL" BIOLOGICAL RESEARCH CENTRE, PIATRA NEAMT, ROMANIA

1. Plant and Experimental Biology
Research Directions
• Food supplements and functional food;
• Biosimulators, biofertilizers, biopesticides and anti-pathogenic compounds;
• Induction of genetic variability (tissue culture);
• Biotechnology, regeneration and micropropagation species of medicinal and aromatic plants;
• The identification of new active principles of herbs and assessing their bioproductivity;
• Genomes (chemogenomics) selected after experimental genetic techniques;
• Genes and microorganisms in protected areas;
• Genetic circuits in aquatic and terrestrial ecosystems;
• Bioremediation and treating useful compounds from waste materials;
• Using formulas in phytotherapy, cosmetics, food;
• Active principles;
• Genetic research;
• Medicinal and aromatic plants;
• Chemical dynamics and evaluation of biochemical circuits of aquatic and terrestrial ecosystems;
• Role of abiotic and biotic factors in natural and protected ecosystems (hydro- and soil);
• Competencies of the environmental impact induced by Genetically Modified Organisms (GMOs) (E.R.A. of GMOs);
• Isolation and quantification in plant, food and feed matrices (GMO analysis);
• Safety of transgenic events and genome stability under stress conditions (GMO);
• Genetic resources using molecular markers (molecular fingerprinting);
• Medicinal and nutraceuticals;
• Crop species;

Breeding Centres
Proteomics and Metabolomics Facilities

Link in ERRIS: <https://erris.gov.ro/NIRDBSStejarul-Biological-Research-Centre>

SERVICES:
• Isolation and characterization of natural components from medicinal and aromatic plants, supplements by TLC, HPLC, UV-VIS spectrophotometry, and other chemical methods
• Isolation of volatile oils and characterization by GC-MS
• Isolation of plants from wild flora, characterization of natural populations and their transfer to the field
• Isolation of some food supplements formulas and cosmetic products
• Isolation of productivity and chemical variability of some cultivar medicinal and aromatic plants (MAP)
• Biological testing of different extracts from MAP to test their biological activity of soil and water

EQUIPMENTS:
• Thin layer chromatography system CAMAG
• High performance liquid chromatograph
• Gas chromatograph coupled with mass spectrometer
• pH-meter Mettler-Toledo SevenMulti
• Rotavapor Buchi 2005asic
• UV-VIS Cabinet
• Analytical balances Mettler-Toledo; XP (a) XS
• Lab extraction apparatus (Soxhlet and Clevenger)
• Climacized chamber equipped for plant growth in vitro experiments

Engage in the Romanian Research Infrastructures System

www.erris.gov.ro

- Equipments
- Services available
- Scientific and Technical Team

(Who is who?)

Who does what?)

WHY JOINING
THE ERRIS
COMMUNITY?



The screenshot displays the ERRIS website interface. The top navigation bar includes the ERRIS logo, a search bar with the text 'thought', and links for 'Register', 'Login', and 'Select Language'. The main content area is divided into two columns. The left column features the profile of the 'UNIVERSITY OF BUCHAREST' (UNIVERSITATEA BUCURESTI), including a description of the university, contact information (website: www.unibuc.ro, email: contact@pr.unibuc.ro, phone: +40 21 3077300), and a map of the location. The right column displays the profile for 'Boundary Layer Wind Tunnel 1 (TASL 1)' at the 'TECHNICAL UNIVERSITY OF CIVIL ENGINEERING BUCHAREST'. This profile includes a photograph of the wind tunnel, technical specifications (Length: 27 m; Test section dimensions: 1.75 * 1.75 m; Maximum speed: 25 m/s; Variable roughness; Variable speed fan (200 kW)), domains of activity (Civil Engineering Research Infrastructures, Wind Engineering), a direct public link, and a review section showing 944 visits and 0 reviews. Below the main profile, there are sections for 'SCIENTIFIC & TECHNICAL TEAM' (listing Prof. Dr. Andrei-Mugur GEORGESCU as the coordinator) and 'SERVICES' (listing experimental and numerical evaluation of wind induced structural loads, estimation of pedestrian comfort, aeroelastic structures, and evaluation of snow deposits). A 'REVIEW' section at the bottom shows a star rating system with 1 star selected, resulting in a 100% rating.

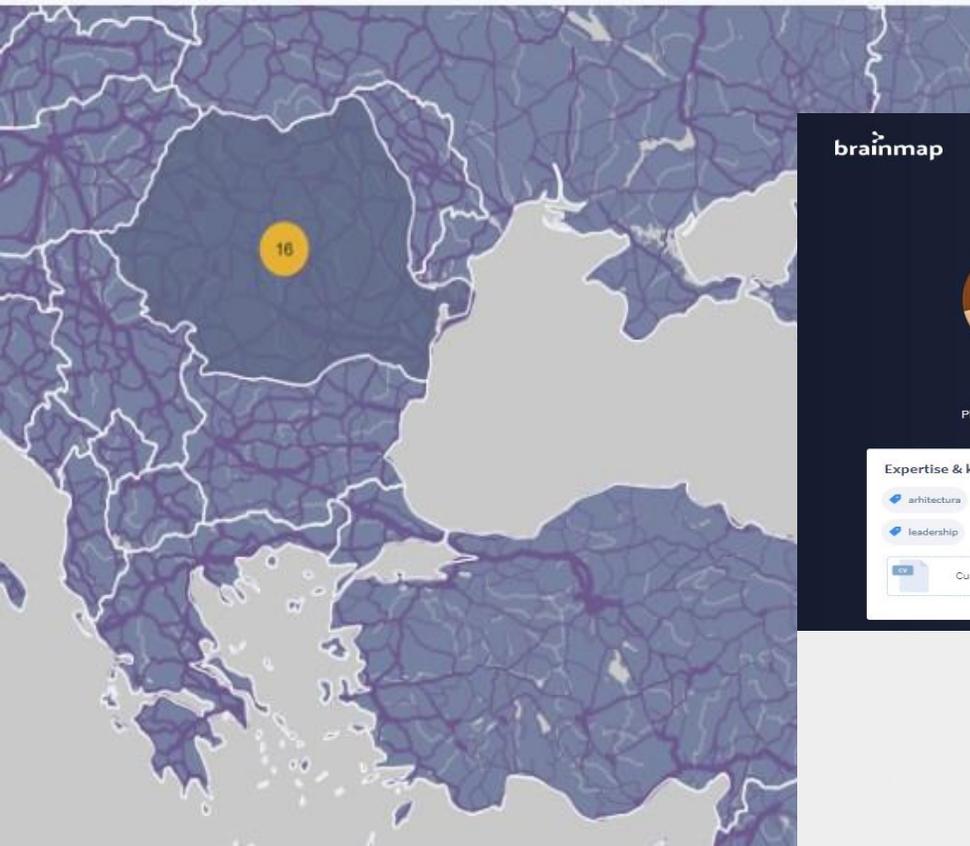
BrainMap

Show accounts list Filter results on map

Institution Universitatea de Arhitectura si Urbanism

Skills

Work country



brainmap

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For your voice matter
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The online community of researchers, innovators, technicians and entrepreneurs

34.166 accounts



We connect your expertise to Romania,
for your voice to matter

Explore by Skills

NEW Research Outputs Registry

Requires authentication, Romanian language

Explore by Map

brainmap

Search by work country, name, skills, institution...

Log In

SIGN UP



Romania
Citizenship: Romania
Ph.D. degree award: 2004

Marian MOICEANU
doctor
Ph.D. Professor - UNIVERSITATEA DE ARHITECTURA SI URBANISM "ION MINCU"

>20 years

Personal public profile share link.

Expertise & keywords

arhitectura urbanism management
leadership

Curriculum Vitae (18/05/2017)

Projects Publications Patents Entrepreneurship Reviewer expertise

Experience as research project coordinator: Experience as project evaluation expert:

FILE DESCRIPTION

DOCUMENT

List of research grants as project coordinator

Download (82 kb) 21/04/2016

List of research grants as partner team leader

Download (82 kb) 18/05/2017

Significant R&D projects for enterprises, as project manager

R&D activities in enterprises

Download (83 kb) 21/04/2016

Peer-review activity for international programs/projects



Think outside the box
Be a visionary and act!

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