

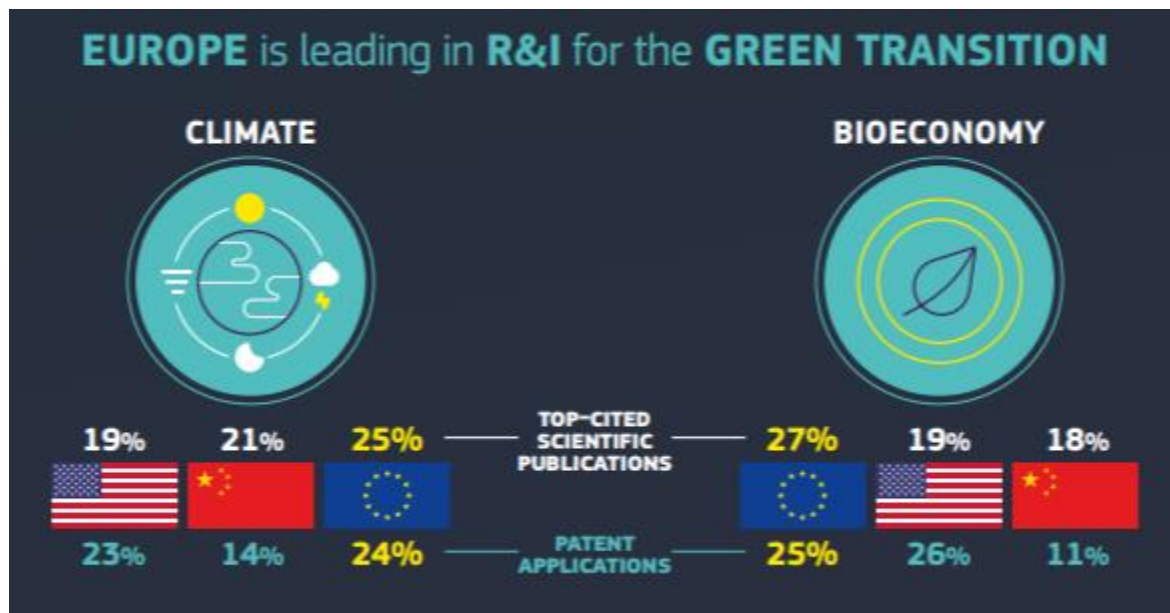
RISIS

**RESEARCH INFRASTRUCTURE FOR
SCIENCE AND INNOVATION POLICY
STUDIES:**

**A COMPARISON OF US AND EUROPEAN
UNIVERSITIES: THE STRONG RELATIONSHIP
BETWEEN REVENUES AND INTERNATIONAL
VISIBILITY**

**Policy Brief Discussion
29 May 2020**

Science, Research and Innovation Performance of the EU 2020 (SRIP)



R&I at the core of the **PRODUCTIVITY OF OUR ECONOMY**



2/3

of the EU's productivity growth driven by R&I

A global **LEADER** in **SCIENTIFIC EXCELLENCE**

Share of top
10% **HIGHLY-CITED**
PUBLICATIONS, 2016



26% 

23% 

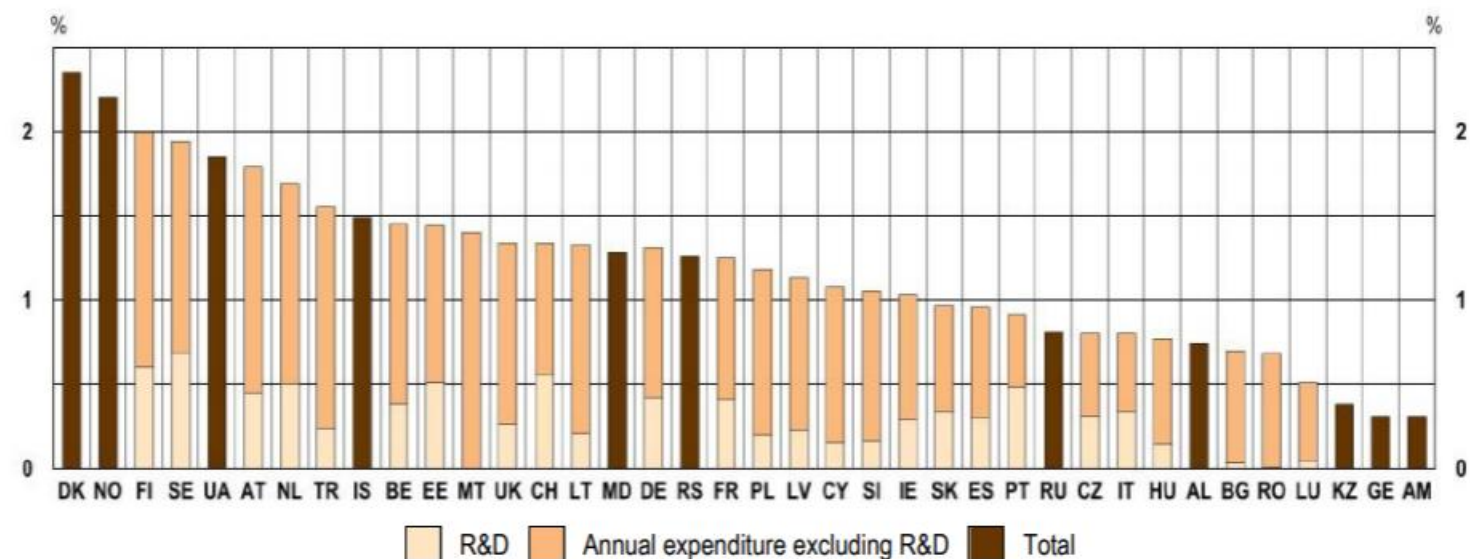
19% 

6.5% 



European
Commission

Figure 1.9: Annual public expenditure on tertiary education as a % of GDP, total with R&D and total without R&D, 2014



%	DK	NO	FI	SE	UA	AT	NL	TR	IS	BE	EE	MT	UK	CH	LT	MD	DE	RS	FR	PL
Total	2.35	2.20	2.00	1.94	1.85	1.79	1.69	1.55	1.49	1.45	1.44	1.40	1.34	1.34	1.33	1.28	1.31	1.26	1.25	1.18
R&D	:	:	0.60	0.69	:	0.45	0.50	0.24	:	0.38	0.51	0.00	0.26	0.56	0.21	:	0.42	:	0.41	0.20
(1)	:	:	1.40	1.25	:	1.34	1.19	1.31	:	1.07	0.93	1.40	1.08	0.78	1.12	:	0.89	:	0.84	0.98
%	LV	CY	SI	IE	SK	ES	PT	RU	CZ	IT	HU	AL	BG	RO	LU	KZ	GE	AM	EHEA	
Total	1.13	1.08	1.05	1.03	0.97	0.96	0.91	0.81	0.80	0.80	0.77	0.74	0.70	0.68	0.51	0.38	0.31	0.31	1.22	
R&D	0.23	0.15	0.16	0.29	0.34	0.30	0.48	:	0.31	0.34	0.14	:	0.03	0.01	0.05	:	:	:		
(1)	0.90	0.93	0.89	0.74	0.63	0.66	0.43	:	0.49	0.46	0.63	:	0.67	0.67	0.46	:	:	:		

(1) Annual public expenditure excluding R&D

Source: Eurostat, UOE and additional collection for the other EHEA countries.

Notes:

EHEA refers to the EHEA median.

Countries are arranged according to total annual public expenditure.

Funding



HEIs:
Greater effectiveness
Efficiency
Quality education
Value for money in education
Reduce skills mismatches
Improve inclusion and completion
Boost R&I
Engagement – third mission

Performance Funding:

Mainly includes

performance in reducing drop-out and improving completion rates

performance in graduate employability

Should also include:

overall investment in higher education
evolution of student numbers

diversity and profile of HEIs

linkage of funding to staffing and financial
autonomy system needs for education,
research and innovation

wider needs of the economy and society



ACTION AT EU LEVEL



Peer counselling on Performance Based Funding



OECD Resources review



USTREAM

Mapping study of performance-based funding models in the EU



PEER LEARNING ACTIVITY POLICY CONCLUSIONS



Careful design of indicators to meet policy goals



Monitoring and evaluation based on sound evidence



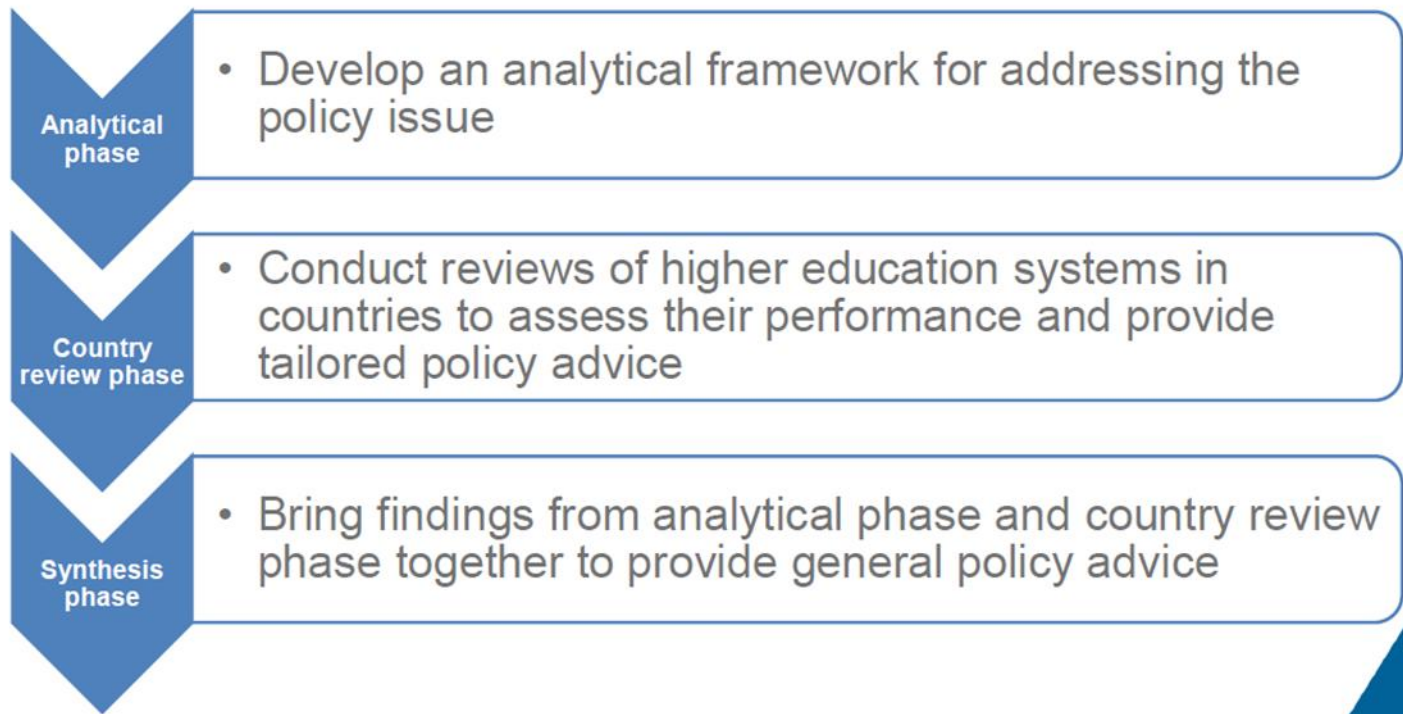
Support for diversification of funding sources



Key preconditions to be in place

OECD & European Commission

In-depth analysis of resourcing higher education systems



**Allocation and management of
resources**

**Profile of financial and human
resources**

Use of resources

USTREAM project



Co-funded by the
Erasmus+ Programme
of the European Union



Considerations for policy makers

- Provide sustainable and adequate core funding
- Base expectations on realistic outcomes
- Link efficiency to achievement of the university's goals and missions
- Reward universities for efficiency gains through incentives
- Maintain a strategic dialogue and promote peer learning
- Foster partnerships and sector-level collaboration
- Establish bodies or services that help enhance efficiency



ACTION AT EU LEVEL



Mapping study of performance-based funding models in the EU





an official list of
Higher Education
Institutions (HEIs)
in Europe

a set of data for
their
characterization

multi-annual data
collection

National Statistics
Agencies provide
the statistical
information

2012 - ongoing

ETER ID



SAPIENZA
UNIVERSITÀ DI ROMA



NIFU

Nordic Institute for Studies in
Innovation, Research and Education



UNIVERSITÀ DI PISA



European
Commission



Subject specialization in European higher education

History and demography of European HEIs

Student mobility in European higher education

Regional dimension of European higher education

Size distribution of HEIs in Europe

Gender gap in European higher education



Università della Sicilia Italiana



SAPIENZA
UNIVERSITÀ DI ROMA



NIFU

Nordic Institute for Studies in
Innovation, Research and Education



UNIVERSITÀ DI PISA



European
Commission

U-Multirank is the world's largest multidimensional, user-driven ranking, for comparing universities from all around the globe based on what matters most to you. Create your own personalised rankings today - your way.

4 Tracks for Comparing

U-Multirank helps users compare universities from around the world - matching like-with-like and seeing what each is best at, with 4 easy tracks: 'For students', 'University rankings', 'Press/Media', and 'About'.

Institutions included in U-Multirank

- Research intensive universities
- Small specialised colleges
- Universities of applied sciences
- Art and music academies
- And more

Student perspective 100,000+

students at participating universities completed our student survey, offering a unique student perspective to our Teaching & Learning dimension.

Scores of possibilities

Benchmarking, comparisons, performance analyses, measuring strengths, exploring profiles, finding your best match and more.

5 Dimensions of Performance



Profiles are provided at two levels:

- for the institution as a whole
- and at various subject levels

Included in the Rankings almost

1,800

higher education institutions



28 spanning the sciences, engineering, health, social sciences, arts and humanities.

5,300 faculties

Subjects (more subjects to be added each year)

11,800 study programmes

For more information on U-Multirank, including how to register your university, or to sign up for our newsletter, visit www.umultirank.org. E: info@umultirank.org T: +49 (0) 5241 9761 58

Multidimensional

User-driven

Match like-with-like universities

Research intensive universities
Small specialised colleges
Universities of applied sciences
Art and music academies
And more

100 000+ Student perspective

Lead Partners:

- [Centre for Higher Education \(CHE\)](#)
- [Center for Higher Education Policy Studies \(CHEPS\)](#)
- [Centre for Science and Technology Studies \(CWTS\)](#)
- [Fundación CYD](#)

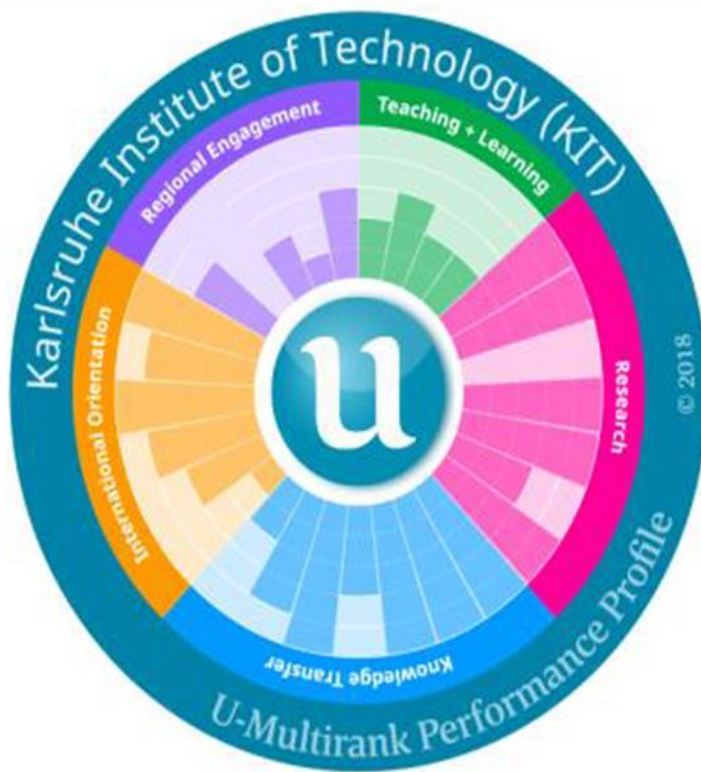
Financial Partners:

- [Bertelsmann Stiftung](#)
- [Banco Santander](#)
- [Erasmus+](#)



umultirank.org

Country-specific Info



European graduate tracking initiative

Why comparative EU data on graduate outcomes?

**Comparative
overview of
the quality of
national
education
systems**

**Responsive
ness of
E&T
systems to
the needs
of the
labour
market**

**Permeability
of higher
education
systems and
opportunities
for lifelong
learning**

**Patterns of
mobility of
graduates
within the EU**

**Quality and
effectiveness
of social
outcomes
and social
inclusion**

What can we do with graduate tracking information?



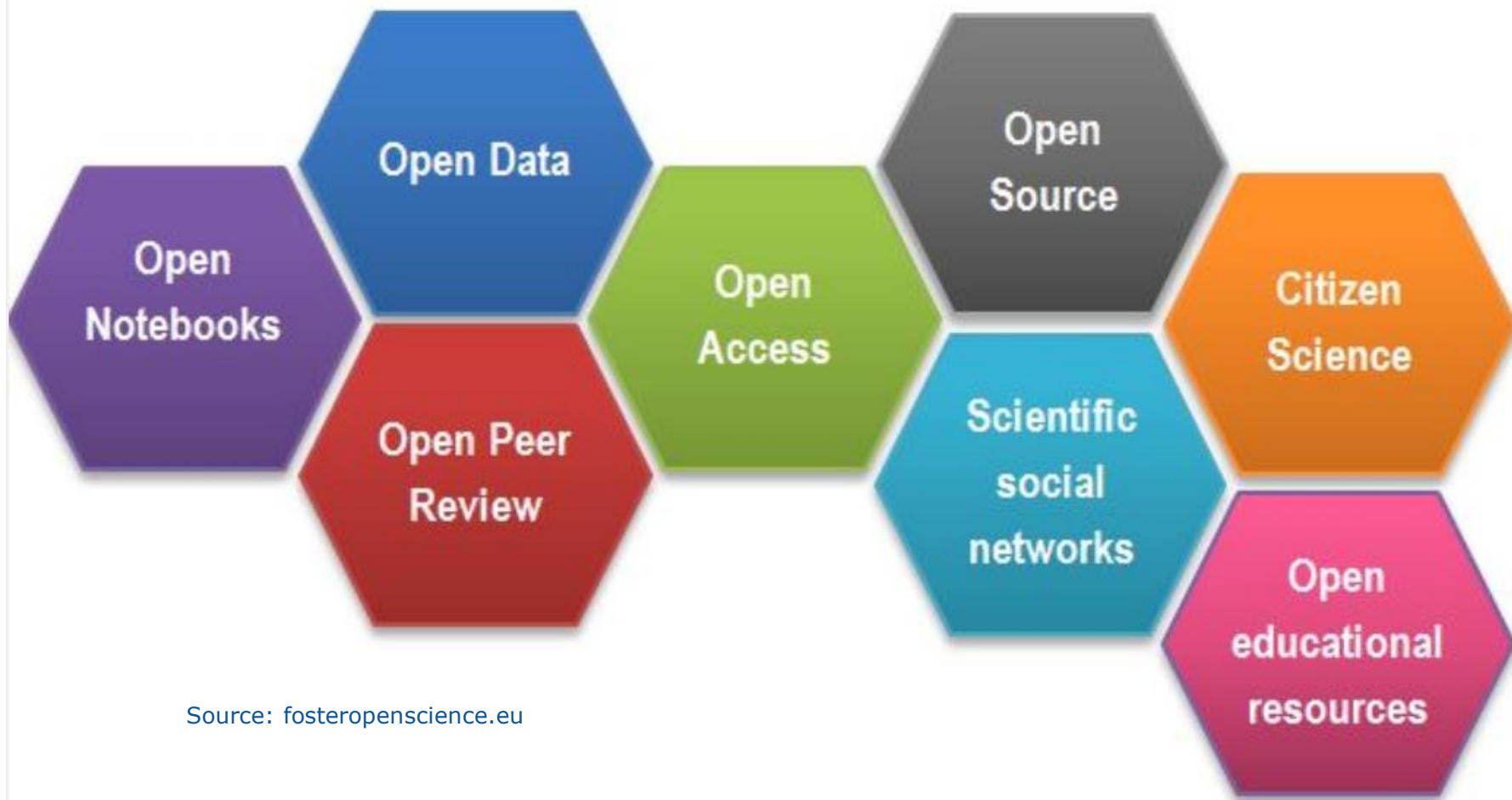
**Information for
planning / steering
higher education
policy**



**Guiding study choice
for students**



**Provide skills
intelligence and
information on the
labour market**



Source: fosteropenscience.eu

Research Assessment Academic Career Assessment & Open Science

Thank you.