

Evaluation of research activities

Tbilisi - June 14th and 15th

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Ecole Normale Supérieure de Lyon

and

Hcéres - High Council for Evaluation of Research and Higher Education







Session 1 – How to use evaluation report for further development of research activities?

Dissemination and communication of evaluation results; ratings and rankings; resource allocation and evaluation; follow-up.

Dissemination and communication of evaluation results

- Adversarial process
- Quality of the report
- Transparency
 - Identification of potential readers
 - Authorities
 - Colleagues
 - Students
 - ... and their families
 - Full publication of the evaluation report?
 - Public / non-public version
- Memory archives

ratings and rankings

- Ratings
 - -A+/A/B/C
 - Outstanding / excellent / very good / good
 - Global / per criteria
 - Methods
 - Milestones
 - E.g. : A+ = 20% best
 - Rating meetings
 - Evaluation officers
 - Experts chairpersons of experts committees

ratings and rankings

- No ratings
 - Qualitative judgements
 - Metrics ? Support / supplant expert judgement.
 - Strengths
 - Better acceptation of the evaluation process
 - In-depth analysis
 - Weaknesses
 - Underestimates weaknesses
 - Does not show a clear hierarchy
 - Less useful for decision making?

resource allocation and evaluation

- Performance-based research funding (PBRF)
 - allocation of institutional funding on the basis of ex post assessments of university research performance
- Resource allocation
 - Human resources
 - Research funding
- Funding allocation formula?
 - Performance-based Research Funding Systems (PRFS)

resource allocation and evaluation

- Funding allocation formula?
 - Performance-based Research Funding Systems (PRFS)
 - metrics-based PRFS
 - Metrics-informed peer review
 - peer review based research evaluations
 - peer review (universities or research organisations)

 Table 1. Dominant assessment approach for the allocation of performance-based funding in the EU28.

		No RPBF												Lin	nited R	PBF	Quantitative formula with bibliometric assessment												Peer revie			
Country		BG ^a	СН	CY	EL	ES	HU ^b	IE	LUc	LV ^d	MT	ROe	SI	AT	GEf	NL	BE (FI)	BE (WA)g	CZ^h	DK	EEi	FI	HR	NO	PL^{j}	SE	SK	FR	IT	LT	PT	UK
Education		X	X			X	X	X	X			X		X	X	X	X	X		X	X	X		X			X				X	
metrics Historical		X	X	X	\mathbf{v}	v	X			v	X	X	X						X	X				v						v		X
	D.,L1:		Λ	Λ	Λ	X				Λ	Λ	Λ	Λ				\mathbf{v}	V			v	v	v	V	v	v	v	v	v	V	v	Λ
Bibliometrics		X					X		**								X	X	X	X	X	X	X	X	X	A	A	A	X	X	А	
	Journal impact based	X							X								X		X	X	X	X		X	X				X	X		
	Citation	X					X										X	X					\mathbf{X}	X		\mathbf{X}		\mathbf{X}	\mathbf{X}			
Other	PhD graduates						X X	X	X					X		X	X			X	X	\mathbf{X}	X	X	X		X		\mathbf{X}			
formula	Patents								X										X	X	X				X		\mathbf{x}		\mathbf{x}	X		
elements	Project funding							\mathbf{X}							X			X	X	X	X	\mathbf{X}	X	X			\mathbf{x}	X	\mathbf{x}			
	Business funding							X	X												X	X	X		X	\mathbf{X}			X	X		
	Gender/diversity							1.	1.						X		X	X			1.	2.	1.		2.6	1.				1.		
	Internationalisation														X		24	74				\mathbf{Y}	X	X			\mathbf{X}	x	X	x		
Peer review	internationalisation														24							21	21	21			21	X V	v	v	v	v
														37		37				3.7	37	3.7						Λ	Λ	Λ	Λ	Λ
Performance														X		X				X	X	X										
Contracts																																

resource allocation and evaluation

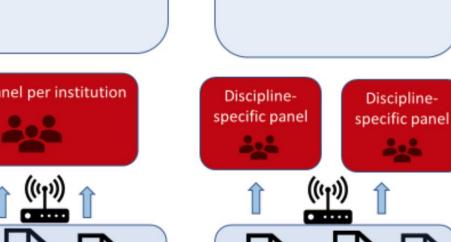
- Funding allocation formula?
 - Performance-based Research Funding Systems (PRFS)
 - metrics-based PRFS
 - Metrics-informed peer review
 - peer review based research evaluations
 - peer review (universities or research organisations)
 - metric-based / mixed
 - f (Workforce)
 - f (workforce*performance)
 - f (workforce*performance*strategy*relevance*impact*...)
 - Funding vs eligibility to funding

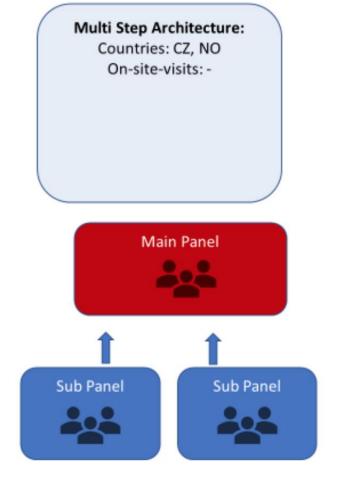
follow-up

- "usefulness" of evaluation
 - Time-consuming et resource consuming process
- Interpretation
- Recommendations
 - Scientific vs managerial
 - $-T_{(e)}+1$
- Changes in the evaluation process
 - Professionalisation
 - performance



International reviews (remote)





Peer Review in Performance-based Research Funding Systems (PRFS) – MLE on Performance-based Research Funding Systems (PRFS). European Commission, July 2017

International reviews (remote)

Discipline Panel Architecture:

Countries: ES, PT, IT, TR, EE

On-site-visits: PT, TR, EE

EE: no remote evaluation

Research ecosystem

Energy



Research ecosystem

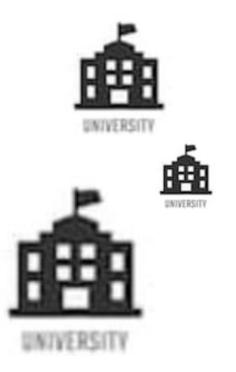
Energy





Research ecosystem

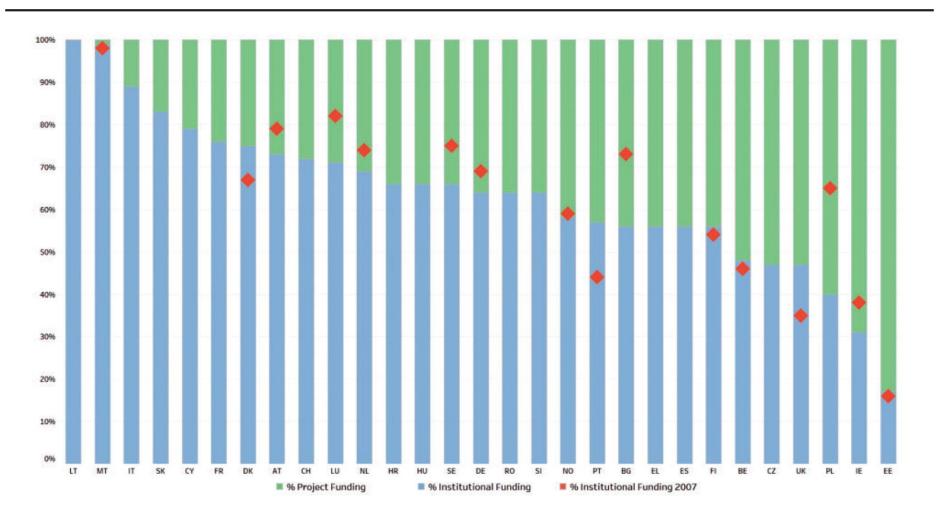
Energy + interactions (positive and negative)



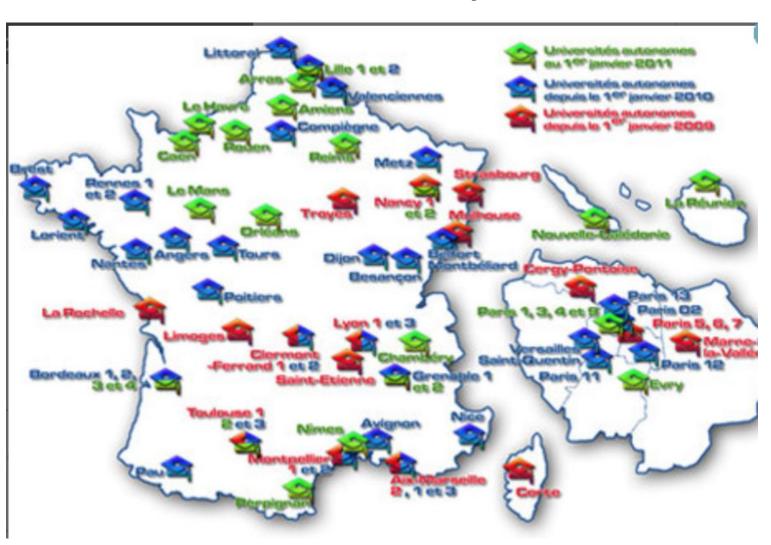


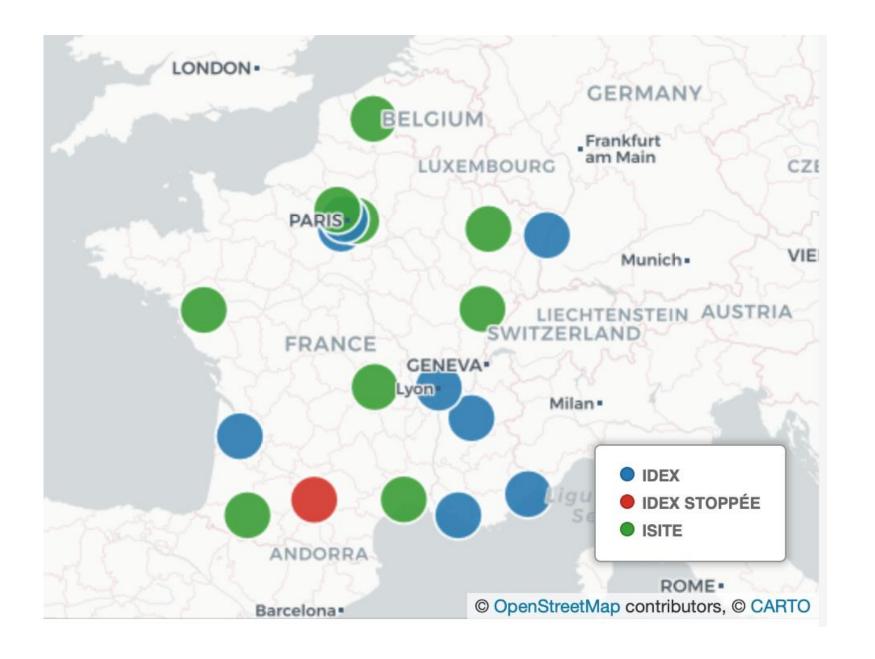


Generic vs local

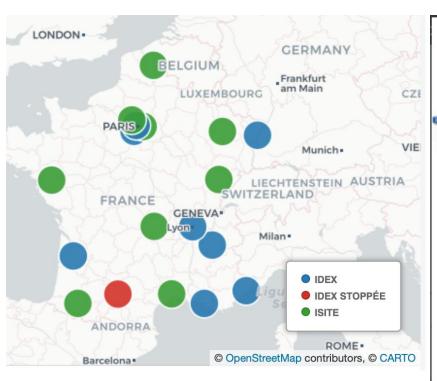


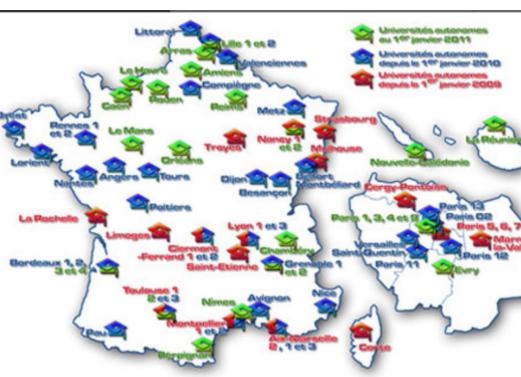
- Generic vs local
- Trajectory





- Generic vs local
- Trajectory
 - National R&HE policies
 - EU Framework
 - EHEA...
 - International benchmarking
- International competition vs domestic-local needs in Education and research





გმადლობთ თქვენი ყურადღებისთვის

Thank you for your attention