



national survey results the perception and value of science and research

March 24th 2021





context of the survey

- The « FNR », implements barometric surveys on the perception and the value attributed to scientific research by the general public.
- The objective of the survey is to monitor over time the evolution of the perception and the value attributed toy science and research
- While the questionnaire has slightly evolved over time some fundamental questions and surveyed attributes stayed unchanged.
- In this report we will show evolutions since 2013 throughout 4 editions of the survey.
- Since 2017. the collection of data is done through a combination of 2 methods
 - the cawi method (computer aided web interviews through our panel Question.lu) (+/- 70 % of respondents)
 - the cati method (computer aided telephone interviews with public landline numbers) (+/- 30 % of respondents)
- In total we interviewed a sample of **600 respondents representative of the population.**
- The sample is representative based upon gender quotas, four age quotas and two nationality quotas.
- For your reading comfort we do not show decimals.
- The sum of the graphical totals will not always be exactly 100%

Total	100%	600
gender (quotas)		
male	50%	300
female	50%	300
age (quotas)		
15-29 years	23%	136
30-44 years	28%	166
45-59 years	26%	155
60 years or more	24%	143
new nationality segments (quotas)		
Luxembourg nationality	53%	318
other nationality	47%	282
education level		
primary education +3 years	13%	75
technical / secondary education	32%	191
post-secondary / university education	52%	311
refusal	4%	23
professional segments		
self-employed	7%	41
public-sector employee	27%	159
private sector employee	31%	188
without paid occupation	24%	141
student	10%	61
refusal	2%	10





a.) notoriety indicator

a.1.) notoriety of institutions



Uni.lu 2021 (n=600)	85	5% 16%				
Uni.lu 2019 (n=600)	87% 13%					
Uni.lu 2017 (n=600)	79%	21%				
Uni.lu 2013 (n=503)	8	6% 14%				
FNR 2021 (n=600)	72%	28%				
FNR 2019 (n=600)	71%	29%				
FNR 2017 (n=600)	70%	30%				
FNR 2013 (n=503)	61%	39%				
LIST 2021 (n=600)	63%	37%				
LIST 2019 (n=600)	49%	51%				
LIST 2017 (n=600)	43%	57%				
CRP Lippmann 2013 (n=503)	45%	55%				
LIST 2021 (n=600)	63%	37%				
LIST 2019 (n=600)	49%	51%				
LIST 2017 (n=600)	43%	57%				
CRP H. Tudor 2013 (n=503)	57%	43%				
LIH 2021 (n=600)	60%	40%				
LIH 2019 (n=600)	35%	65%				
LIH 2017 (n=600)	25%	75%				
CRP Santé 2013 (n=503)	48%	52%				
LISER 2021 (n=600)	39%	61%				
LISER 2019 (n=600)	30%	70%				
LISER 2017 (n=600)	18%	82%				
CEPS/INSTEAD 2013 (n=503)	38%	62%				
	Ves No					
LIST 2021 (n=600) LIST 2019 (n=600) LIST 2017 (n=600) CRP H. Tudor 2013 (n=503) LIH 2021 (n=600) LIH 2019 (n=600) LIH 2017 (n=600) CRP Santé 2013 (n=503) LISER 2021 (n=600) LISER 2017 (n=600) LISER 2017 (n=600) CEPS/INSTEAD 2013 (n=503)	63% 49% 43% 57% 60% 35% 25% 48% 39% 30% 18% 38% Ves ■ No	37% 51% 57% 43% 40% 65% 75% 52% 61% 70% 82% 62%				













a.) notoriety indicator

a.2.) awareness-raising initiatives & events









-				
2021 (n=600)		55%	45%	
2019 (n=600)		55%	45%	
- 2017 (n=600)		53%	47%	
- 2013 (n=503)		47%	53%	
-				
- 2021 (n=600)		51%	49%	
2019 (n=600)	4	3%	57%	
- 2017 (n=600)	409	%	60%	
- 2013 (n=503)	4	4%	56%	
-				
2021 (n=600)		49%	51%	
2019 (n=600)		51%	49%	
2017 (n=600)	41	%	60%	
- 2013 (n=503)		49%	51%	
-				
- 2021 (n=600)	30%		70%	
2019 (n=600)	39%	6	61%	
2017 (n=600)	30%		70%	
- 2013 (n=503)	21%		79%	
-	·			

Mister Science 2021 (n=600 Mister Science 2019 (n=600 Mister Science 2017 (n=600 Mister Science 2013 (n=503

Facebook & website Science.lu 2021 (n=600 Facebook & website Science.lu 2019 (n=600 Facebook & website Science.lu 2017 (n=600 Facebook & website Science.lu 2013 (n=503

> Science Festival 2021 (n=600 Science Festival 2019 (n=600 Science Festival 2017 (n=600 Science Festival 2013 (n=503

Researchers' Days 2021 (n=600 Researchers' Days 2019 (n=600 Researchers' Night 2017 (n=600 Researchers' Days 2013 (n=503

🗆 Yes 🛛 🗖 No





























b.) interest and information















	Total (n=600)	00/				400/		2404		
	10tal (11=600)	9%	28%			40%		24%		
	male (n=300)	7%	26%		41	%		26%		
	female (n=300)	10%	29%)		39%		229	6	
15-	29 years (n=136)	7%	29%			42%		22%	6	
30-	44 vears (n=166)	11%	25%			43%		229	%	
45-	59 years (n=155)	10%	30%	6		35%		25%	-	
	or more $(n=1/3)$	6%		0	409	<i>337</i> 0		23/0		
2015	01 11012 (11–145)	- 0 %	2070		40	/0		۷/ 70		
g na	tionality (n=318)	<mark>5%</mark>	24%		45%			27%		
e na	tionality (n=104)	20%		35%	/ D		35%		11%	
er na	tionality (n=178)	9%	30%			34%		26%		
atior	n +3 years (n=75)	239	%		43%		-	27%	8%	
v ed	lucation (n=191)	8%	28%			45%		19)%	
tv eo	ducation (n=311)	5%	24%		40%			31%		
- 1	(-)									
self-e	employed (n=41)	7%	20%		37%			37%		
or ei	mployee (n=159)	8%	26%		42	2%		25%		
or ei	mployee (n=188)	12%	30)%		38%		21	%	
d oco	cupation (n=141)	5%	32%			8%		26%		
	student (n=61)	10%	23%			6%		210	%	
		not at a	ll interested	□ a little in	terested 🗖 n	noderately	interested	very inte	erested	
			colea							

60 years Luxembourg nat Portuguese nat other nat

primary education technical / secondary edu post-secondary / university ed

> self-e public-sector e private sector er without paid occ















Total (n=600)	24%	35%		33%	7%
male (n=300)	19%	35%		38%	7%
female (n=300)	29%	35%		28%	7%
]				
15-29 years (n=136)	28%	40%		27%	5%
30-44 years (n=166)	30%	33%		28%	10%
45-59 years (n=155)	20%	32%		39%	8%
60 years or more (n=143)	20%	37%		38%	5%
Luxembourg nationality (n=318)	13%	37%		42%	8%
Portuguese nationality (n=104)	40%		31%	25%	4%
other nationality (n=178)	35%		34%	24%	7%
primary education +3 years (n=75)	40%		28%	25%	7%
technical / secondary education (n=191)	19%	39%		34%	8%
post-secondary / university education (n=311)	23%	34%		36%	7%
self-employed (n=41)	24%	24%		46%	5%
public-sector employee (n=159)	22%	30%		37%	11%
private sector employee (n=188)	31%	33%		28%	7%
without paid occupation (n=141)	20%	40%		35%	5%
student (n=61)	21%	48%		28%	3%
	not at all informed	a little informed	moderately	informed 🛛 🗖 very	informed







■ Yes ■ No ■ You don't know







			69%	15%		16%
male (n=300)			71%	16%		13%
female (n=300)			68%	14%		18%
-						
- 15-29 years (n=136)			68%	14%		18%
			67%	16%		17%
- 45-59 years (n=155)			66%	17%		16%
60 years or more (n=143)			75%	14	1%	11%
-						
Luxembourg nationality (n=318)			67%	15%		18%
Portuguese nationality (n=104)			67%	20%		13%
other nationality (n=178)			74%	13%	6	13%
-						
primary education +3 years (n=75)			67%	27%	/ ጋ	7%
technical / secondary education (n=191)			64%	17%		19%
post-secondary / university education (n=311)			73%	12%		15%
-						
self-employed (n=41)			71%	17%		12%
public-sector employee (n=159)			64%	16%	-	20%
private sector employee (n=188)			66%	18%		16%
without paid occupation (n=141)			77%		12%	11%
student (n=61)			72%	16%	0	11%
-	ves	no	■ you don't know			





Synthetic summary of segments of the population Q202/203 (n=600)







Synthetic summary of segments of the population Q202/203 (n=600)



moderately / well-informed doesn't want further information
not at all / a little informed wants further information
moderately / well-informed wants further information
you don't know





... information spread directly by the actors of science and research? (n=549)

... information you read in the press about science and research? (n=538)









Total (n=549)	89%	(n=538)	75%
-		-	
male (n=279)	90%	(n=279)	79%
female (n=270)	88%	(n=259)	72%
		-	
15-29 years (n=127)	85%	(n=123)	70%
30-44 years (n=149)	87%	(n=145)	77%
45-59 years (n=145)	91%	(n=141)	76%
60 years or more (n=128)	92%	(n=129)	79%
-		• • •	
Luxembourg nationality (n=304)	91%	(n=294)	80%
other nationality (n=245)	86%	(n=244)	70%
		• • •	
- Luxembourg nationality (n=304)	91%	(n=294)	80%
Portuguese nationality (n=87)	83%	(n=86)	71%
other nationality (n=158)	88%	(n=158)	70%
, , , , <u>,</u>		· · · -	
primary education +3 years (n=63)	84%	(n=64)	69%
technical / secondary education (n=174)	88%	(n=171)	77%
post-secondary / university education (n=295)	92%	(n=287)	77%
		• •	
self-employed (n=41)	93%	(n=40)	65%
nublic-sector employee (n=146)		(n=145)	77%
private sector employee (n=140)		(n=160)	78%
without naid occupation (n=129)	020/	(n=131)	79%
student (n=52)		(n=57)	67%
		· / _	
	information spread directly by		information you read in the press

about science and research?

the actors of science and research?





c.) investment and educational efforts















Total (n=600)	<mark>2</mark> 3	39%			37%		20%
]						
male (n=300)	<mark>1</mark> 3	39%		32%			25%
female (n=300)	<mark>2</mark> 3	39%	41%			14%	
15-29 years (n=136)	<mark>1</mark> 6%	32%			43%		18%
30-44 years (n=166)	<mark>3%</mark> 2	41%			32%		22%
45-59 years (n=155)	<mark>2</mark> 2	43%			32%		22%
60 years or more (n=143)	13	39%			41%		16%
]						
Luxembourg nationality (n=318)	2 4%	35%		41%			19%
other nationality (n=282)	12	44%		32%			20%
]						
primary education +3 years (n=75)	4% 3	48%			33	%	12%
technical / secondary education (n=191)	2 4	38%		40%			16%
post-secondary / university education (n=311)	<mark>1</mark> 3	38%		35%			23%
]						
self-employed (n=41)		39%		34	4%		27%
public-sector employee (n=159)	23	37%			33%		25%
private sector employee (n=188)	<mark>3%</mark> 2	45%			36%		14%
without paid occupation (n=141)	<mark>1</mark> 4%	37%			39%		18%
student (n=61)	5	31%		46%			18%
	much less	a little less	⊐ maintair	n the curren	t level 🛛 🗖 a lit	tle more	a lot more























d.) basic attitudes and impact of scientific research











Even a small country like Luxembourg should perform scientific research. (n=582)

Scientific research helps to guarantee the economic competitiveness of Luxembourg. (n=550)

Scientific research in Luxembourg has practical and concrete benefits, which improve everyday life (health, mobility, etc.). (n=507)

Scientific research helps to resolve environmental issues in Luxembourg (flooding, pollution, renewable energy sources, etc.) (n=550)

Scientific research helps to resolve societal issues in Luxembourg (education, social cohesion, multilingualism, etc.) (n=546)

Scientists / researchers make efforts to involve and inform the general public about their work. (n=528)













Q.400.3 Scientific research helps to guarantee the economic competitiveness of Luxembourg. Comparative survey 2021 vs. 2019/2017/2013







Q.400.2 Scientific research in Luxembourg has practical and concrete benefits, which improve everyday life (health, mobility, etc.). Comparative survey 2021 vs. 2019/2017/2013





Q.400.4 Scientific research helps to resolve environmental issues in Luxembourg (flooding, pollution, renewable energy sources, etc.). Comparative survey 2021 vs. 2019/2017/2013







Q.400.5 Scientific research helps to resolve societal issues in Luxembourg (education, social cohesion, multilingualism, etc.). Comparative survey 2021 vs. 2019/2017/2013







Q.400.6 Scientists / researchers make efforts to involve and inform the general public about their work. Comparative survey 2021 vs. 2019/2017/2013





e.) confidence indicators















Total (n=600)	1 3 23%		50%		20%	3%
male (n=300)	13 20%		51%		23%	3
female (n=300)	1 3 26%		49%		17%	3%
-						
15-29 years (n=136)	1 4 24%		45%		23%	4%
30-44 years (n=166)	2 20%		52%		22%	3%
45-59 years (n=155)	2 3 25%		50%		19%	2
60 years or more (n=143)	3 24%		52%		16%	3%
Luxembourg nationality (n=318)	14% 21%		50%		22%	2
Portuguese nationality (n=104)	12 36%		43%		13%	6%
other nationality (n=178)	2 20%		53%		21%	3
primary education +3 years (n=75)	<mark>4%</mark> 5%	36%	43%)	5%	7%
technical / secondary education (n=191)	1 3 26%		47%		21%	2
post-secondary / university education (n=311)	2 17%	Ę	55%		24%	1
self-employed (n=41)	24%		59%		17%)
public-sector employee (n=159)	12 25%		43%		26%	3%
private sector employee (n=188)	<mark>2</mark> 4% 23%		52%		17%	3
without paid occupation (n=141)	4 21%		55%		17%	4%
student (n=61)	2 5% 25%		44%		25%	
	you do not trust at a	ill 🛛 🗖 you do r	not really trust	□ you hav	/e a neutral op	inion
	🗖 you rather trust	🗖 you abs	olutely trust	∎ you hav	ve no opinion	





f.) Covid 19 specific questions











Below you will find different specific statements about Coronavirus. On a scale of 1 to 6, indicate to what extent you agree with the following statements.

Q.402



	-		
Total (n=600)	<mark>3%</mark> 14%	83%	
male (n=300)	4% 14%	82%	
female (n=300)	<mark>3%</mark> 13%	84%	
15-29 years (n=136)	<mark>4%</mark> 15%	81%	
30-44 years (n=166)	<mark>4%</mark> 15%	81%	
45-59 years (n=155)	<mark>3%</mark> 13%	84%	
60 years or more (n=143)	4% 11%	86%	
Luxembourg nationality (n=318)	4% 14%	82%	
other nationality (n=282)	<mark>3%</mark> 13%	84%	
primary education +3 years (n=75)	6% 10%	84%	
technical / secondary education (n=191)	<mark>3%</mark> 17%	80%	
post-secondary / university education (n=311)	<mark>3%</mark> 12%	85%	
self-employed (n=41)	15%	85%	
public-sector employee (n=159)	6% 12%	82%	
private sector employee (n=188)	2 15%	83%	
without paid occupation (n=141)	<mark>4%</mark> 14%	82%	
student (n=61)	4% 11%	86%	
	- Bottom Box (1	;2) 🗆 Middle Box (3,4) 🗖 Top Box (5,6)	



	.		
Total (n=600)	<mark>3%</mark> 17%	79%	
male (n=300)	4% 17%	79%	
female (n=300)	<mark>3%</mark> 17%	80%	
15-29 years (n=136)	2 13%	85%	
30-44 years (n=166)	5% 18%	77%	
- 45-59 years (n=155)	<mark>4%</mark> 20%	76%	
60 years or more (n=143)	<mark>3%</mark> 17%	81%	
-			
Luxembourg nationality (n=318)	<mark>3%</mark> 15%	82%	
other nationality (n=282)	<mark>4%</mark> 20%	76%	
-			
primary education +3 years (n=75)	4% 16%	79%	
technical / secondary education (n=191)	2 21%	77%	
post-secondary / university education (n=311)	<mark>4%</mark> 15%	81%	
self-employed (n=41)	5% 15%	80%	
public-sector employee (n=159)	4% 15%	80%	
private sector employee (n=188)	<mark>3%</mark> 20%	77%	
without paid occupation (n=141)	<mark>3%</mark> 18%	79%	
student (n=61)	13%	88%	
-	Bottom Box (1;2)	□ Middle Box (3,4)	



	-		
Total (n=600)	7% 21%	73%	
male (n=300)	8% 23%	68%	
female (n=300)	5% 18%	77%	
15-29 years (n=136)	<mark>4%</mark> 23%	73%	
30-44 years (n=166)	6% 23%	72%	
45-59 years (n=155)	5% 21%	73%	
60 years or more (n=143)	12% 15%	73%	
-			
Luxembourg nationality (n=318)	6% 21%	72%	
other nationality (n=282)	7% 20%	74%	
primary education +3 years (n=75)	7% 15%	77%	
technical / secondary education (n=191)	7% 21%	72%	
post-secondary / university education (n=311)	5% 22%	73%	
]		
self-employed (n=41)	10% 20%	70%	
public-sector employee (n=159)	9% 18%	73%	
private sector employee (n=188)	<mark>4%</mark> 26%	70%	
without paid occupation (n=141)	7% 15%	77%	
student (n=61)	<mark>3%</mark> 24%	72%	
	Bottom Box (1;2)	□ Middle Box (3,4)	



Total (n=600)	13%	33%		54%			
-							
male (n=300)	13%	33%		54%			
female (n=300)	12%	35%		54%			
-							
- 15-29 years (n=136)	17%	40%		43%			
30-44 years (n=166)	12%	33%		54%			
- 45-59 years (n=155)	12%	28%	60%				
60 years or more (n=143)	11%	34%		55%			
-							
Luxembourg nationality (n=318)	12%	35%		52%			
other nationality (n=282)	13%	31%		56%			
primary education +3 years (n=75)	12%	17%		71%			
technical / secondary education (n=191)	14%	37%		49%			
post-secondary / university education (n=311)	11%	34%	55%				
self-employed (n=41)	12%	32%		56%			
public-sector employee (n=159)	17%	34%		49%			
private sector employee (n=188)	12%	34%		54%			
without paid occupation (n=141)	10%	32%		59%			
student (n=61)	13%	38%		50%			
	Bottom	Box (1;2) □ Middle Box (3,4) 🗖 Top E	Box (5,6)			







Q.403 What is your trust level in regards to statements made by the following stakeholders regarding coronavirus? (n=600)







67% of the surveyed population









		-									
	Total (n=567)	9% 6	% 14	%	13%				58%		
]									
	male (n=287)	8% 5%	13%	1	.1%				63%		
	female (n=280)	10%	7%	15%	15%	6			52%		
15-2	29 years (n=132)	15%	9%		17%		17%		42%	%	
30-4	44 years (n=157)	8% 5%	17%	ó	17%				54%		
45-	59 years (n=144)	11%	7%	13%	11%				58%		
60 years	or more (n=134)	4%2% 10%	6 6%		•			78%			
nbourg na	tionality (n=301)	7% 6%	12%	109	%			6	5%		
tuguese n	ationality (n=97)	14%	6%	2	2%		19%		39	9%	
other na	tionality (n=169)	11%	6% 1	4%	15%				54%		
educatior	n +3 years (n=70)	9% 4%	2	1%	14	%			51%		
ondary ed	ucation (n=179)	9% 4%	6 18	%	12%				56%		
iversity ec	ducation (n=296)	8% 7%	6 9%	1	4%				61%		
	refusal (n=22)		32%		9%		23%		3	36%	
self-e	employed (n=38)	<mark>8% 0</mark> 89	% 13	%				71%)		
-sector er	mployee (n=150)	10% 5	% 14	%	13%				58%		
e sector er	mployee (n=175)	11%	7%	17%		19%			46%		
it paid occ	cupation (n=135)	<mark>4%</mark> 3% 8%	7%		• •			79%			
	student (n=60)	13%	12%		23%		13%		3	8%	
	refusal (n=9)		33%		11%		22%			33%	
		not like	ly at all	not	likely	🗆 γοι	u don't kno	w yet	□ likely	very likely	/

Luxembourg Portugues other

primary educat technical / secondary post-secondary / university

> se public-sector private sector without paid