“opinionway



Women in science

International survey

August 2015

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SOUS EMBARGO JUSQU'AU 16 SEPTEMBRE 11h00

afaq ISO 20252 Étude marketing et d'opinion AFNOR CERTIFICATION
ESOMAR WORLD RESEARCH ESOMAR MEMBER

Methodology

“opinionway

Methodology for the qualitative part



- ✓ **Five focus group lasting 3 hours, with 8 respondents with women or men recruited according to strict criteria**

- ✓ **Recruit 9 participants for 8 to show**. When on-site, participant's oral skills will be re-screened.
  - 100% male, 100% female according to the group,
  - Aged from 20 to 55 years old
  - CSP A, B and C+ (and local equivalence)
  - All working at least part time

- ✓ 4 women (or 4 men depending of the group), are employed in scientific area – science of matter, life science (ex : teacher, laboratory assistant, laboratory manager, researcher…) with a large range of different occupations,
  - Good mix of locations : town center, suburbs,
  - All continued to study post 18 – ALL to have studied for at least 2 years post 18.

- ✓ *All show excellent oral skills to express their opinion*
- ✓ *2 participants per group fit the idea that "sciences are more suitable for men"*



- ✓ The fieldwork was conducted **from 12 to 20 May 2015:**
  - **France:** Women on the 12 of May 2015 and Men on the 13 of May 2015
  - **United Kingdom:** Men on the 18 of May 2015
  - **Germany:** Women on the 19 of May 2015
  - **Spain:** Women on the 20 of May 2015

- ✓ OpinionWay has conducted thoses focus groups in accordance with **ISO 20252**

Methodology for the quantitative part

- ✓ A sample size of **5032 people,** including 5 specific population samples:
  - **1001 people** aged 18 years and over, representative of the population of **Germany**
  - **1007 people** aged 18 years and over, representative of the population of the **United Kingdom**
  - **1003 people** aged 18 years and over, representative of the population of **Spain**
  - **1009 people** aged 18 years and over, representative of the population of **France**
  - **1012 people** aged 18 years and over, representative of the population of **Italy**
- ✓ Another sample size of **1003 people** aged 18 years and over, representative of the population of **China** has been interrogated. The results of this sample are excluded from the full sample size called "Europeans" in this publication.
- ✓ The samples were collected using the quota method based on gender, age, region and social class. Social class is measured on the basis of profession in France, the income in China, using the ESOMAR definition in the other countries.
- ✓ *The uncertainty margin is between 1 and 2 points for the full sample size.*
- ✓ *For each country-specific population sample the uncertainty margin is between 2 and 3 points.*

- ✓ **Sample was interviewed online with the CAWI system** (Computer Assistance for Web Interview)

- ✓ The fieldwork was conducted **from 10 to 15 June 2015** and **from 28 july to 6 august 2015** for **China.**

- ✓ OpinionWay has conducted this survey in accordance with **ISO 20252**

Each publication, entire or partial, must imperatively use the following denomination :
« Survey OpinionWay for Fondation L'Oréal»
and no quote can be dissociated from this title.

Results

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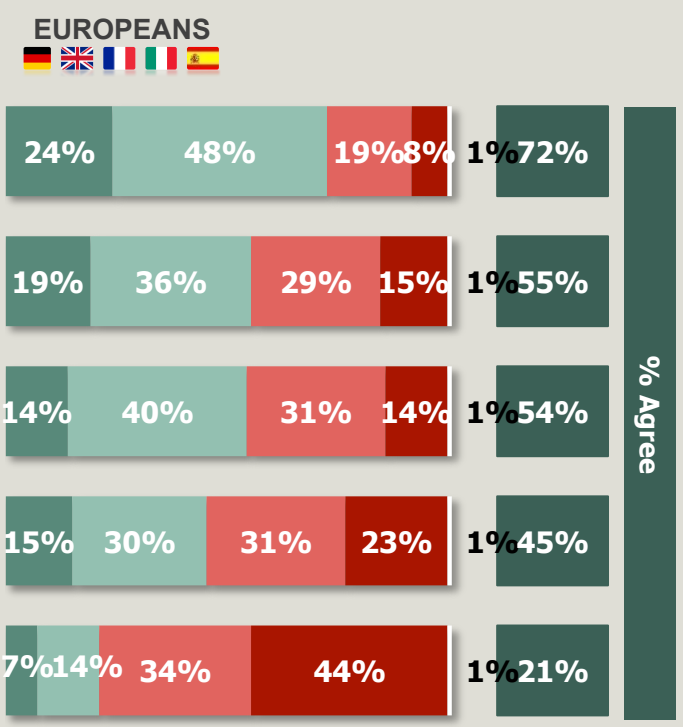
1. Misunderstanding of matter

The opinion about women doing everything in their power to advance their career

TOTAL

5032 people

Question 1 - In your opinion, is a woman who does everything in her power to advance in her career...



	Germany	UK	Spain	France	Italy	China
A woman with something to prove	80%	63%	71%	66%	83%	84%
A woman who puts her work before her family	69%	51%	43%	56%	59%	63%
A woman who loves money	67%	52%	36%	51%	61%	50%
A woman who is prepared to walk all over other people	59%	46%	36%	44%	43%	46%
A woman who thinks she's a man	21%	21%	12%	18%	29%	37%

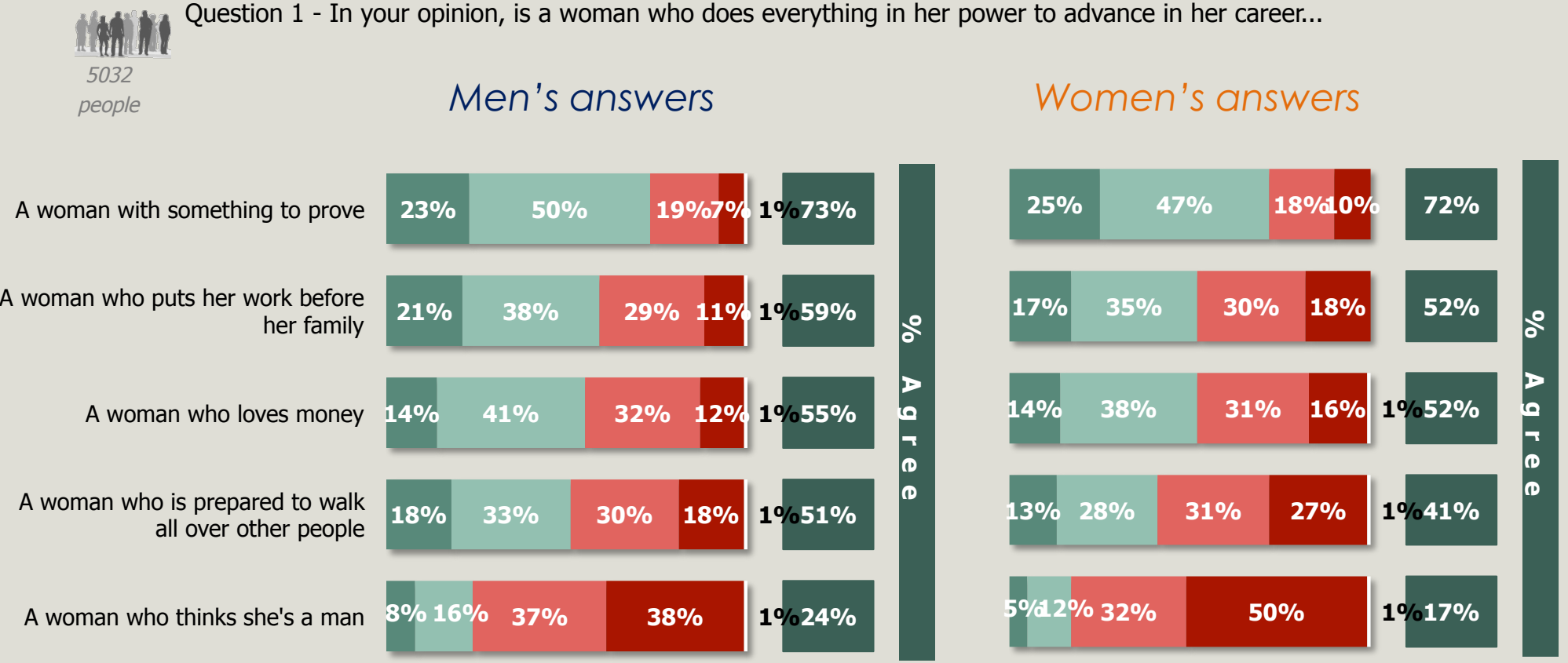
Completely agree | **Somewhat agree** | **Somewhat disagree** | **Completely disagree** | **DK**

The opinion about women doing everything in their power to advance their career

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 1 - In your opinion, is a woman who does everything in her power to advance in her career...

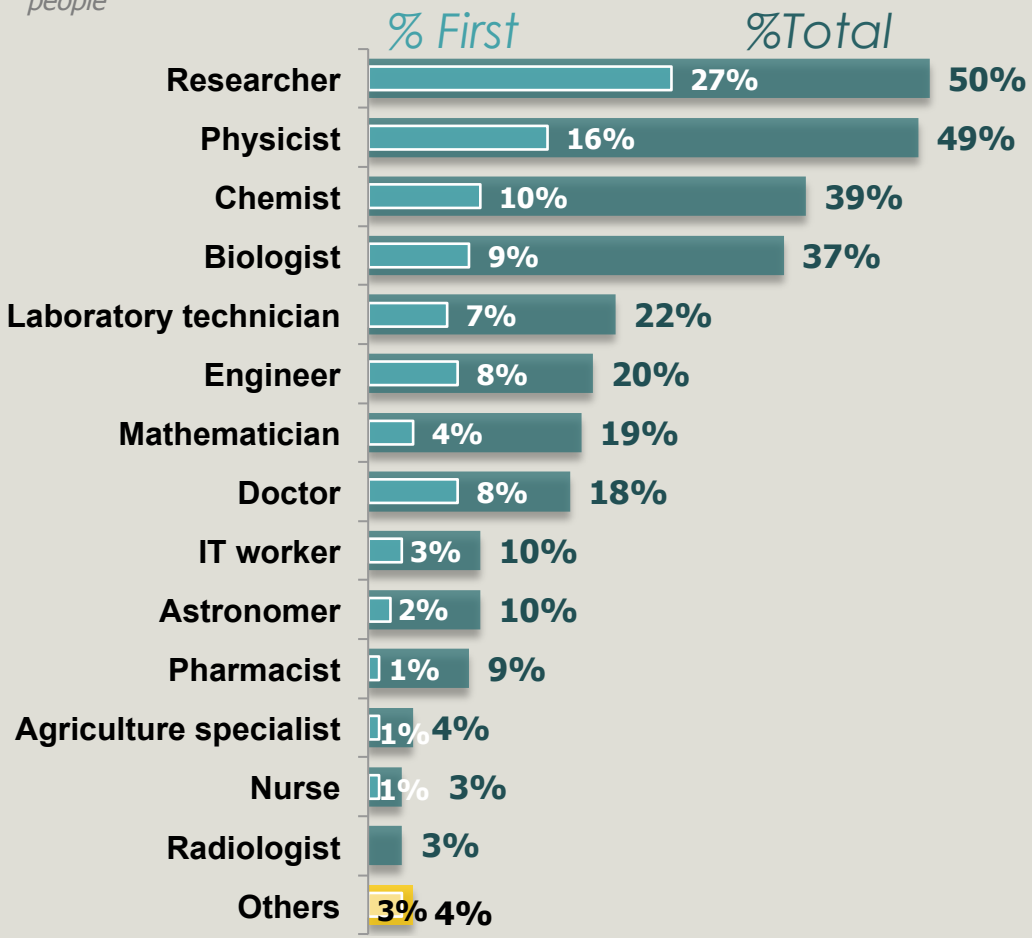


First thoughts about working in science

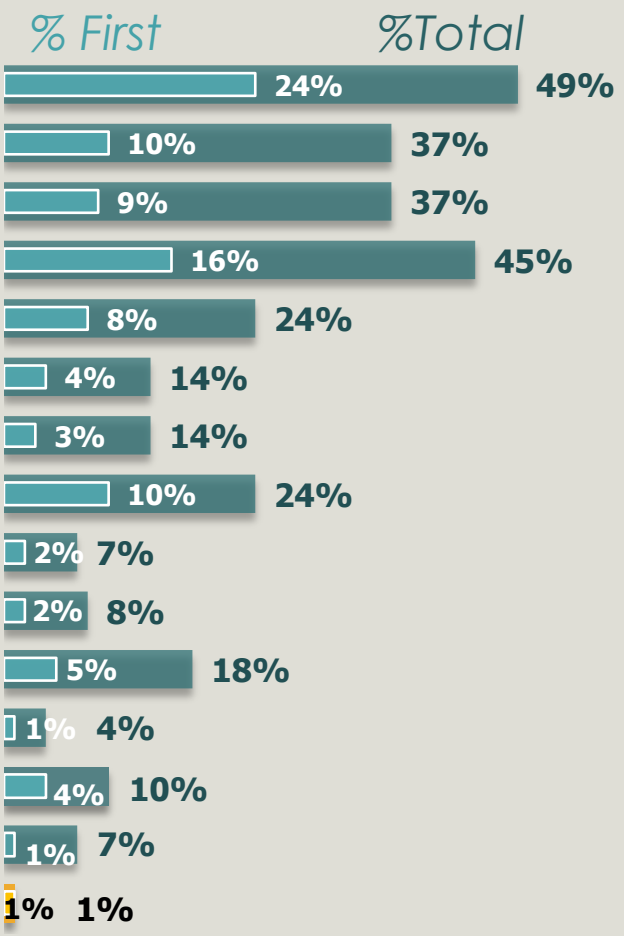
EUROPEANS

5032 people

Question 3 - When people talk about someone who works in science, what job do you think of first?
First? Then? Several answers possible– Total exceeds 100%



Question 4 - And if people talk about a woman who works in science, which job do you think of first?
First? Then? Several answers possible– Total exceeds 100%



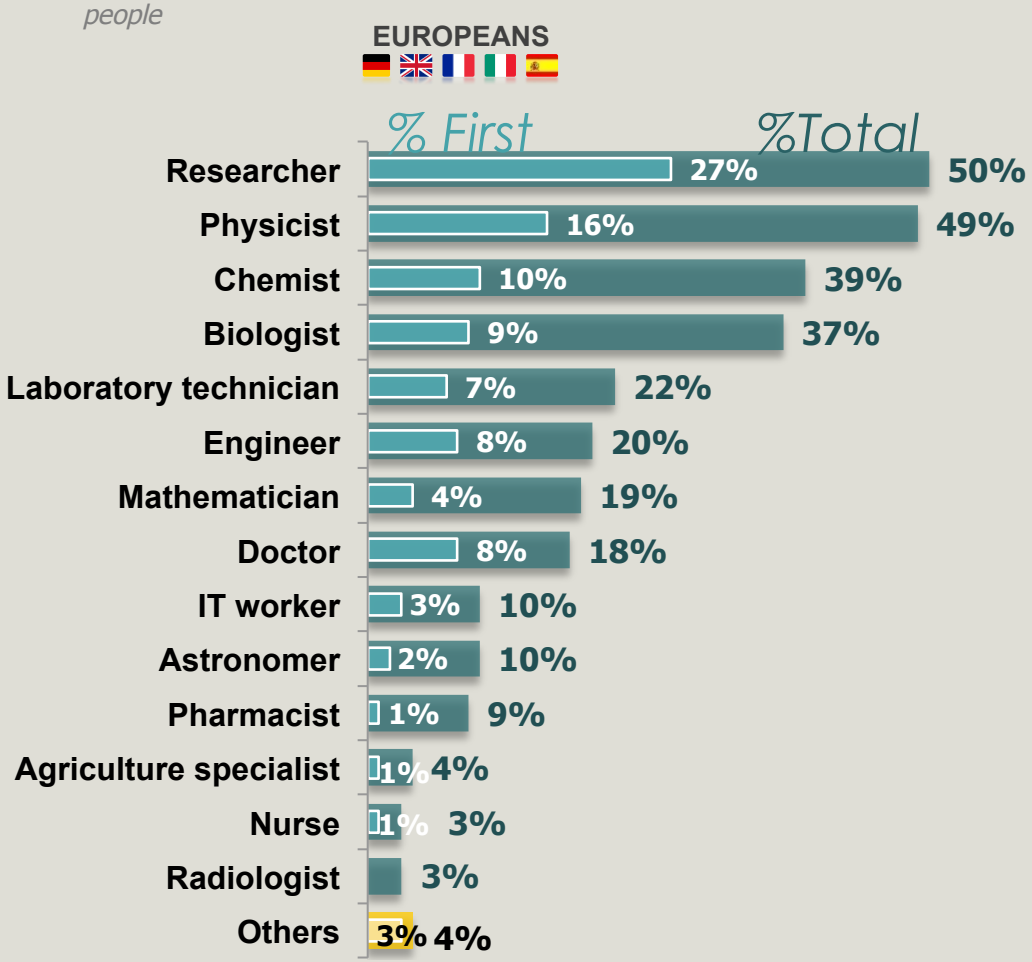
First thoughts about working in science

TOTAL

5032 people

Question 3 - When people talk about someone who works in science, what job do you think of first?

First? Then? Several answers possible– Total exceeds 100%



	% Total					
	Germany	UK	Spain	France	Italy	China
Researcher	53%	35%	57%	56%	51%	34%
Physicist	50%	53%	44%	56%	41%	41%
Chemist	35%	41%	46%	40%	33%	21%
Biologist	31%	43%	37%	40%	33%	26%
Laboratory technician	14%	39%	26%	13%	16%	25%
Engineer	12%	13%	15%	33%	25%	36%
Mathematician	18%	6%	15%	29%	26%	19%
Doctor	14%	14%	20%	19%	25%	16%
IT worker	13%	5%	8%	12%	13%	16%
Astronomer	11%	11%	7%	12%	10%	31%
Pharmacist	4%	17%	9%	6%	8%	5%
Agriculture specialist	11%	1%	1%	3%	1%	6%
Nurse	2%	4%	2%	3%	4%	4%
Radiologist	3%	5%	2%	2%	2%	3%
Others	6%	3%	6%	2%	3%	5%

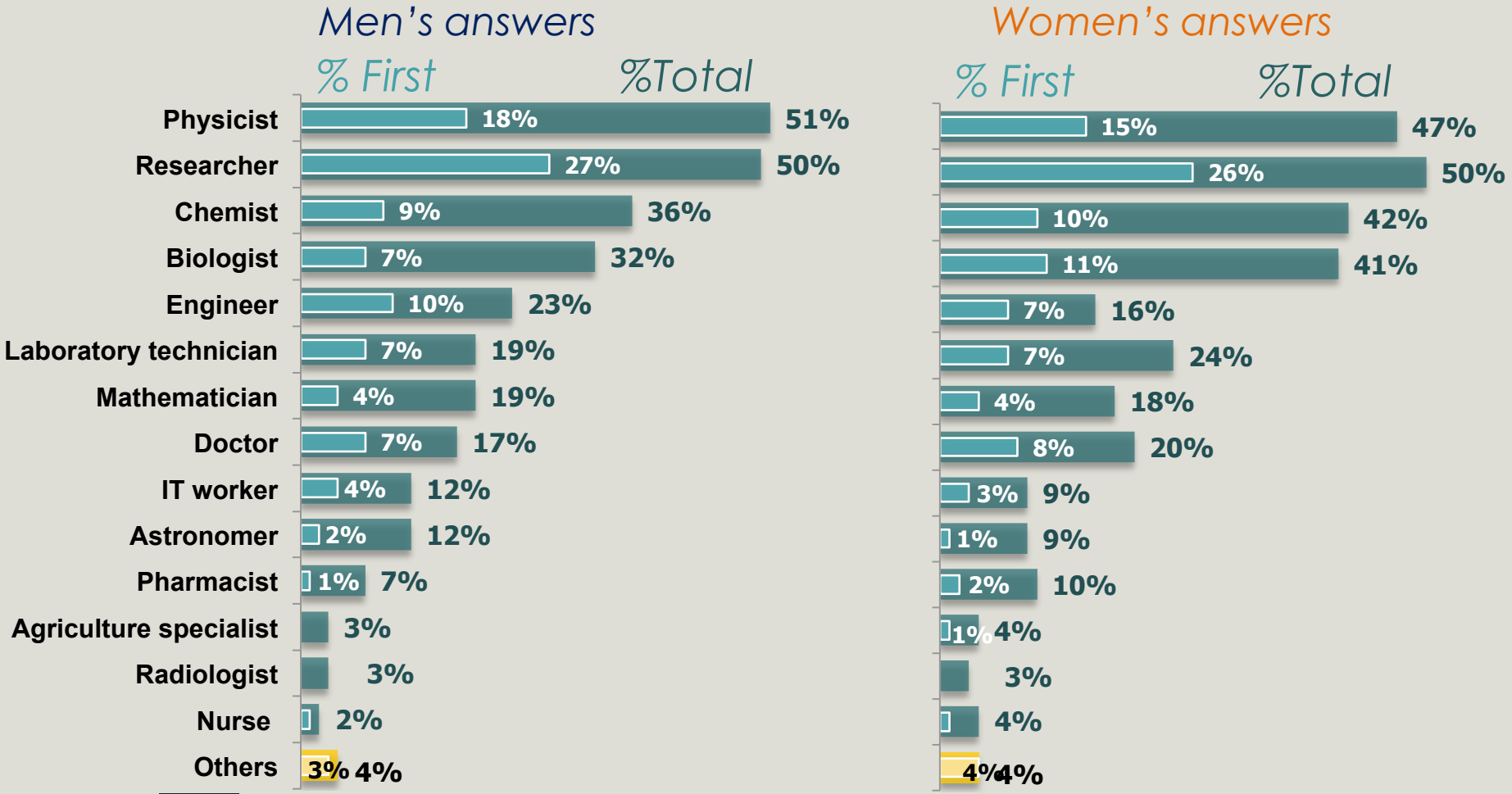
First thoughts about working in science

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 3 - When people talk about someone who works in science, what job do you think of first?

First? Then? Several answers possible– Total exceeds 100%



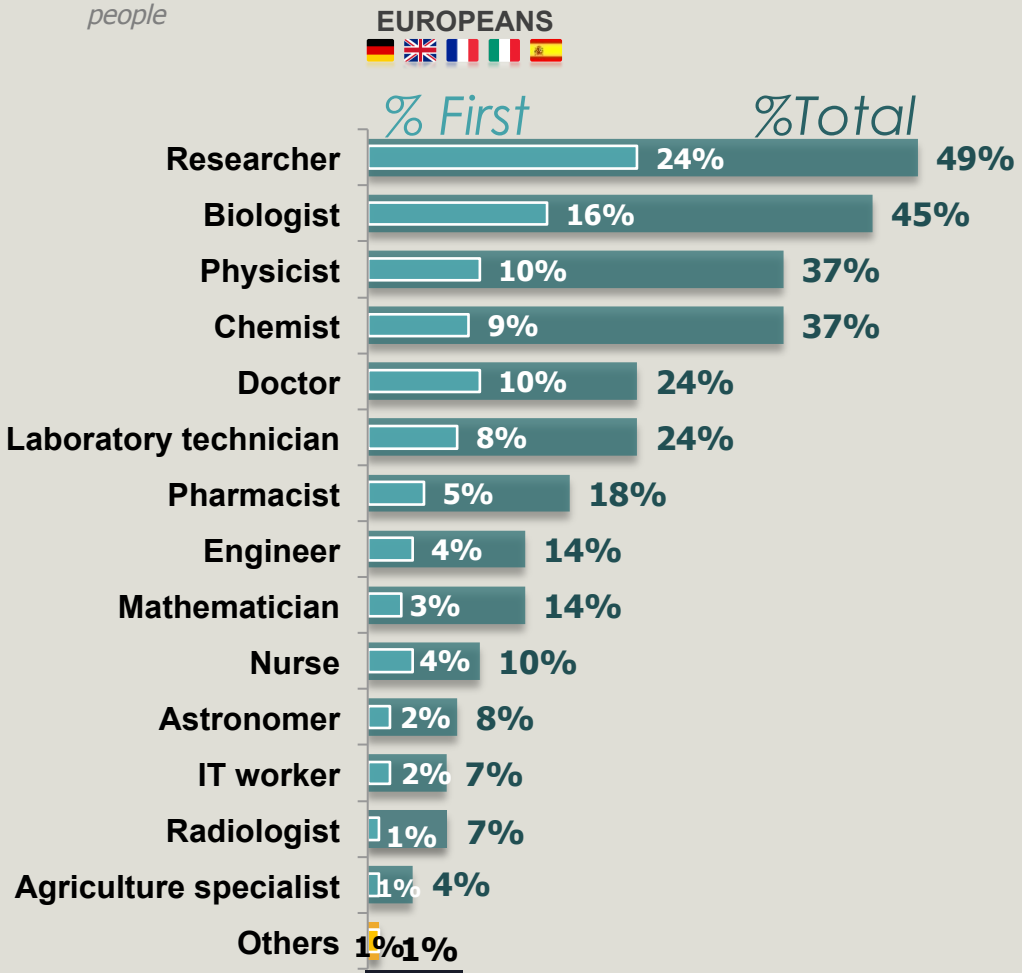
First thoughts about women working in science

TOTAL

5032 people

Question 4 - And if people talk about a woman who works in science, which job do you think of first?

First? Then? Several answers possible– Total exceeds 100%



	% Total				
Germany	UK	Spain	France	Italy	China
43%	32%	59%	57%	55%	34%
43%	46%	44%	45%	49%	33%
38%	35%	43%	54%	29%	13%
38%	28%	35%	41%	28%	18%
24%	22%	29%	19%	27%	41%
22%	38%	24%	23%	15%	35%
10%	34%	15%	11%	21%	28%
11%	6%	13%	28%	11%	12%
15%	4%	13%	22%	17%	9%
5%	19%	6%	11%	11%	32%
8%	5%	7%	8%	11%	11%
8%	4%	3%	10%	10%	9%
6%	19%	4%	3%	4%	8%
12%	1%	1%	4%	1%	4%
2%	2%	2%	1%	1%	3%

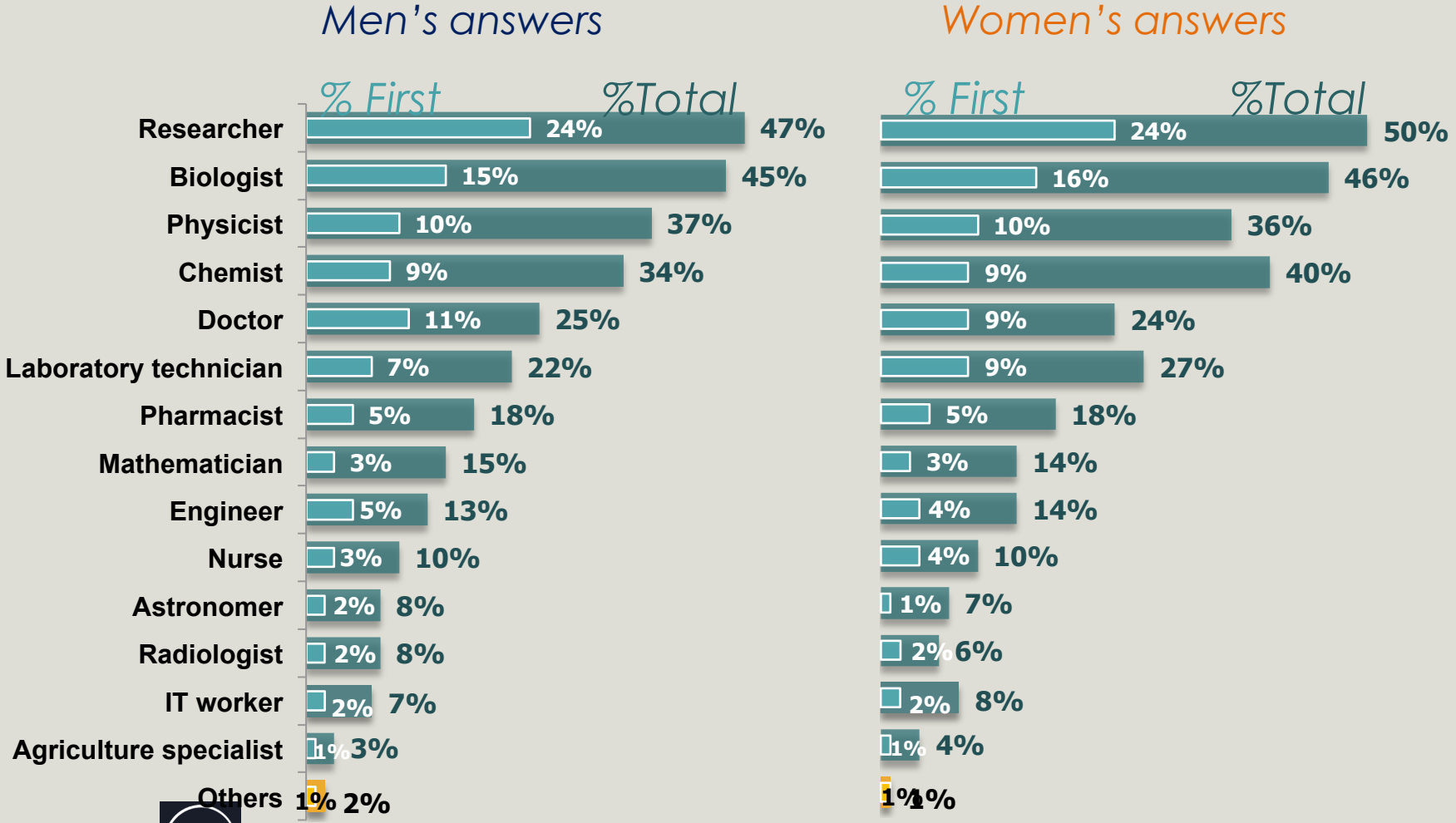
First thoughts about women working in science

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 4 - And if people talk about a woman who works in science, which job do you think of first?

First? Then? Several answers possible– Total exceeds 100%



First thoughts about scientists who made a big breakthrough

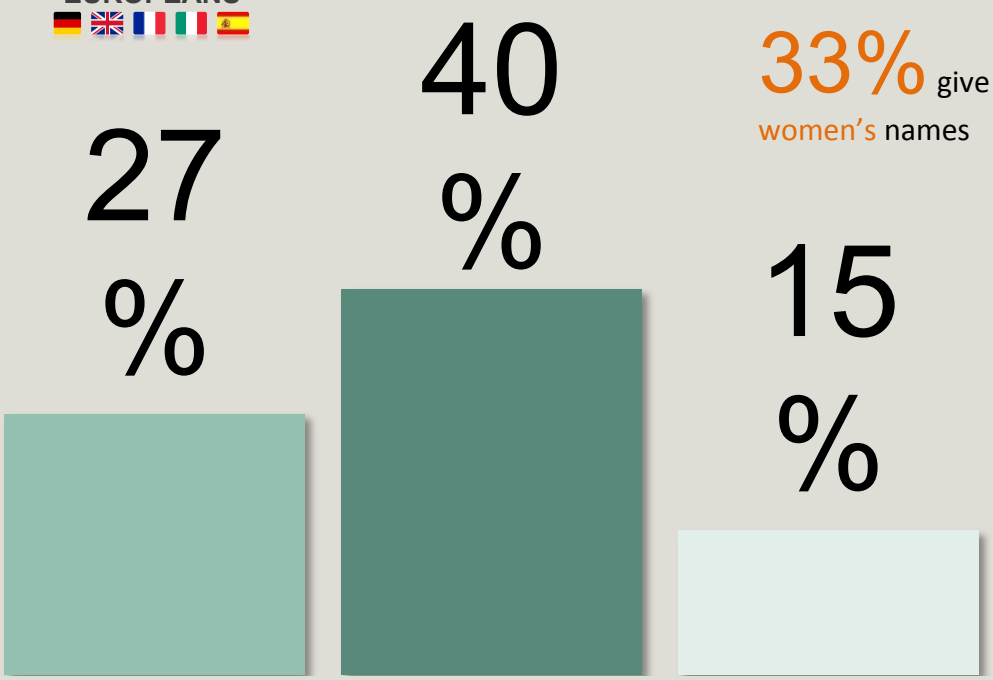
TOTAL – TOP 3

5032 people

Question 6 - Off the top of your head, which three names of scientists who have made a big breakthrough come to mind first?

Open question – Spontaneous answers

EUROPEANS



71% give men's names

33% give women's names

DK : 18%

	Ranking			
	A. Einstein	M. Curie	I. Newton	DK
	31%	28%	7%	31%
	A. Einstein	M. Curie	S. Hawking	DK
	42%	26%	21%	22%
	A. Einstein	M. Curie	I. Newton	DK
	49%	34%	23%	10%
	L. Pasteur	M. Curie	A. Einstein	DK
	41%	36%	35%	16%
	A. Einstein	Rita Levi-Montalcini	Galilée	DK
	45%	21%	20%	12%
	A. Einstein	I. Newton	Qian Xuesen	DK
	39%	34%	24%	9%

First thoughts about scientists who made a big breakthrough

TOTAL


5032 people

Question 6 - Off the top of your head, which three names of scientists who have made a big breakthrough come to mind first?

Open question – Spontaneous answers

1st answer
2nd answer
3rd answer

	Europeans	Germany	UK	Spain	France	Italy	China
Albert Einstein	**40%**	**31%**	**42%**	**49%**	**35%**	**45%**	**39%**
Curie Family	**38%**	39%	29%	41%	59%	20%	36%
... Marie Curie	**27%**	**28%**	**26%**	**34%**	**36%**	10%	19%
... Pierre & Marie Curie	**1%**	-	-	-	6%	-	-
... Pierre Curie	**1%**	-	-	-	4%	-	-
... Curie (no precision)	**10%**	10%	4%	7%	17%	10%	19%
Isaac Newton	**15%**	**7%**	20%	**23%**	11%	**13%**	**34%**
Louis Pasteur	**14%**	1%	10%	14%	**41%**	7%	-
Alexander Fleming	**8%**	1%	10%	20%	5%	4%	-
Stephen Hawking	**7%**	2%	**21%**	7%	1%	2%	7%
Galilée	**6%**	3%	2%	4%	4%	15%	4%
Thomas Edison	**5%**	6%	3%	10%	4%	4%	17%
Rita Levi-Montalcini	**4%**	-	-	-	-	**21%**	**-**
Charles Darwin	**4%**	1%	4%	5%	2%	6%	4%
Leonard De Vinci	**3%**	1%	-	4%	2%	7%	1%
Guglielmo Marconi	**3%**	-	1%	1%	-	11%	-
Qian Xuesen	**-**	-	-	-	-	-	**24%**
Hua Luogeng	**-**	**-**	**-**	**-**	**-**	**-**	15%
Chen Jingrun	**-**	**-**	**-**	**-**	**-**	**-**	10%

First thoughts about scientists who made a big breakthrough

TOTAL



5032 people

Question 6 - Off the top of your head, which three names of scientists who have made a big breakthrough come to mind first?

Open question – Spontaneous answers

	Europeans	Germany	UK	Spain	France	Italy	China
Alfred Nobel	**2%**	5%	2%	1%	2%	2%	3%
Alessandro Volta	**2%**	-	-	1%	-	9%	-
Santiago Ramon y Cajal	**2%**	-	-	10%	-	-	-
Alexander Graham Bell	**2%**	1%	4%	4%	1%	1%	1%
Nikola Tesla	**2%**	1%	2%	4%	1%	2%	-
Enrico Fermi	**2%**	-	-	-	-	8%	-
Margherita Hack	**2%**	-	-	-	-	8%	-
Nicolas Copernic	**1%**	1%	-	1%	1%	3%	-
Archimède	**1%**	-	-	1%	2%	2%	-
Severo Ochoa	**1%**	-	-	6%	-	-	-
Whilhelm Röntgen	**1%**	4%	-	-	-	-	-
Carlo Rubbia	**1%**	-	-	-	-	4%	-
Robert Koch	**1%**	3%	-	-	-	-	-
Auguste & Louis Lumière	**1%**	-	-	-	3%	1%	-
Albert Sabin	**1%**	-	-	-	-	3%	-
Benjamin Franklin	**1%**	-	-	2%	1%	-	-
James Watt	**1%**	1%	1%	-	1%	-	1%
Michael Faraday	**1%**	-	3%	-	-	-	-
Lise Meitner	**1%**	3%	-	-	-	-	-
Rosalind Franklin	**1%**	1%	1%	-	-	-	-
Pythagore	**1%**	1%	-	-	1%	1%	1%
Blaise Pascal	**1%**	-	-	2%	1%	-	-
Antonino Zichichi	**1%**	-	-	-	-	3%	-

First thoughts about scientists who made a big breakthrough

TOTAL



5032 people

Question 6 - Off the top of your head, which three names of scientists who have made a big breakthrough come to mind first?

Open question – Spontaneous answers

	Europeans	Germany	UK	Spain	France	Italy	China
Deng Jiaxian	-	-	-	-	-	-	7%
Li Siguang	-	-	-	-	-	-	5%
Yang (no precision)	-	-	-	-	-	-	5%
Qian Sanqiang	-	-	-	-	-	-	3%
Zhu Kezhen	-	-	-	-	-	-	2%
Zhang Heng	-	-	-	-	-	-	2%
Bill Gates	-	-	-	-	-	-	1%
Dmitri Mendeleïev	-	-	-	-	-	-	1%
Mao Yisheng	-	-	-	-	-	-	1%
Other	**3%**	3%	3%	3%	2%	2%	8%
DK	**18%**	**31%**	**22%**	**10%**	**16%**	**12%**	**9%**

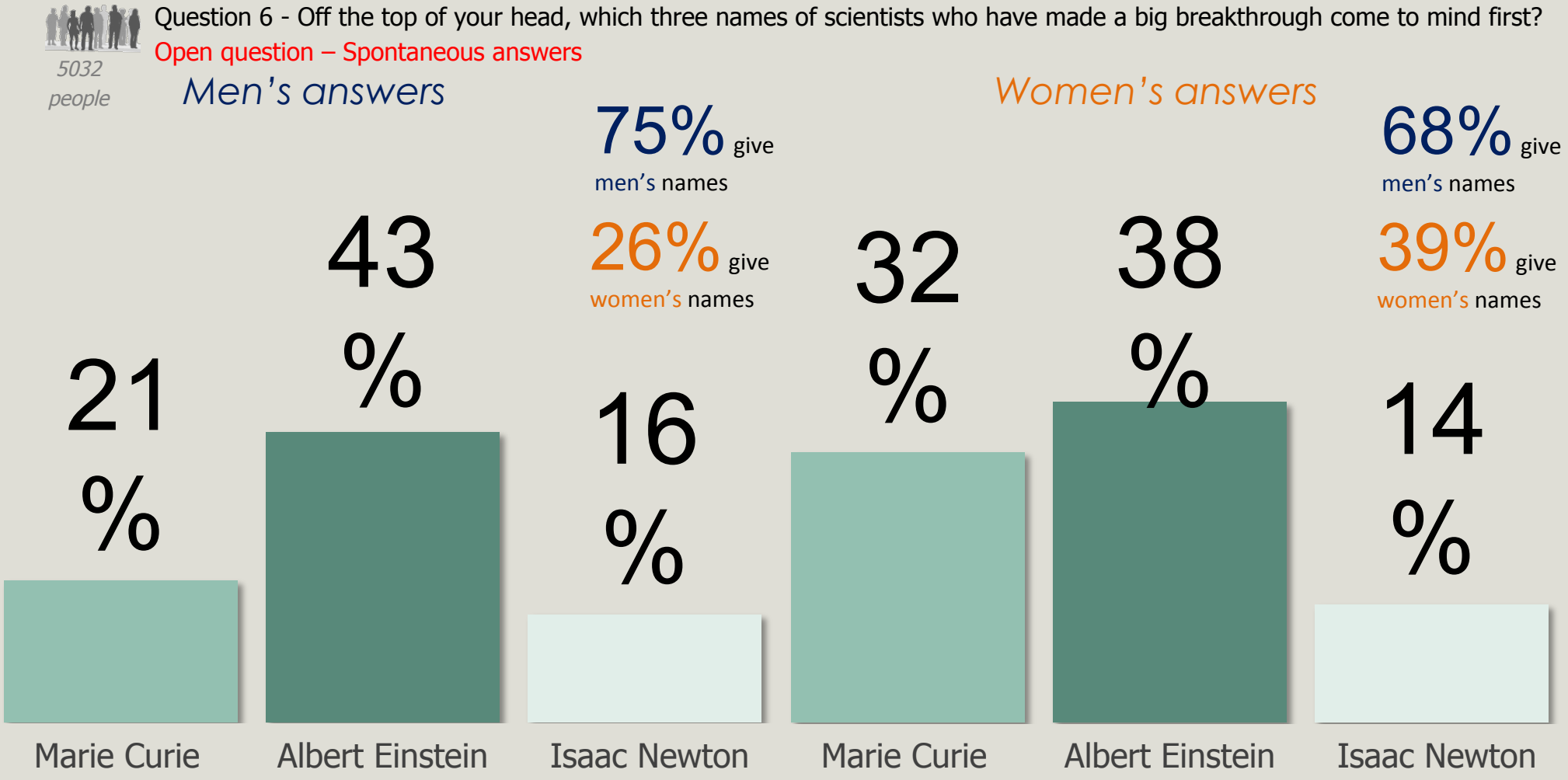
First thoughts about scientists who made a big breakthrough

EUROPEANS - Men's answers vs. Women's answers – TOP 3

5032 people

Question 6 - Off the top of your head, which three names of scientists who have made a big breakthrough come to mind first?

Open question – Spontaneous answers





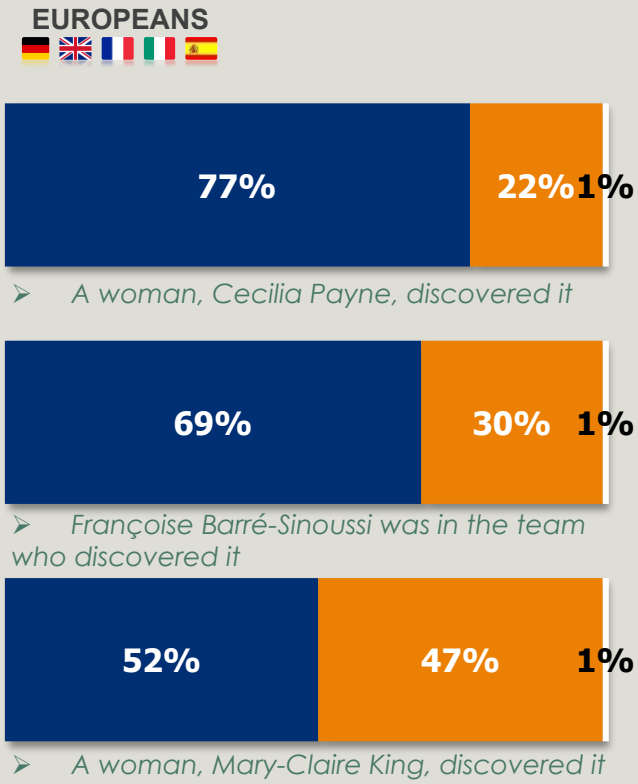
- *I also think that the big discoveries made in the world were almost always by men, it's true that they researched in medicine, what are the great women doctors who made discoveries, Marie Curie…"*
- *But they hide the woman's name from us, for example in HIV…"*
- *It's proof that we don't know any other women. There are usually more men in management jobs than women".*
- *It's thanks to, I mean, it's because of the image conveyed by all the media that people have false ideas about science"*
- *If you made a list of the most famous scientists most of them are men."*

The knowledge about the origin of big breakthroughs

TOTAL

5032 people

Question 7 - As far as you know, did each of the following big breakthroughs come from a man or a woman?



	Germany		UK		Spain		France		Italy		China	
Discovering that the composition of stars is 98% hydrogen and helium	84%	16%	79%	20%	80%	19%	76%	21%	64%	36%	86%	13%
Identifying that human immunodeficiency virus (HIV) causes AIDS	71%	29%	71%	28%	68%	31%	70%	28%	66%	34%	80%	20%
Identifying the gene responsible for breast cancer and its hereditary nature	61%	39%	54%	45%	44%	55%	52%	45%	46%	54%	47%	53%

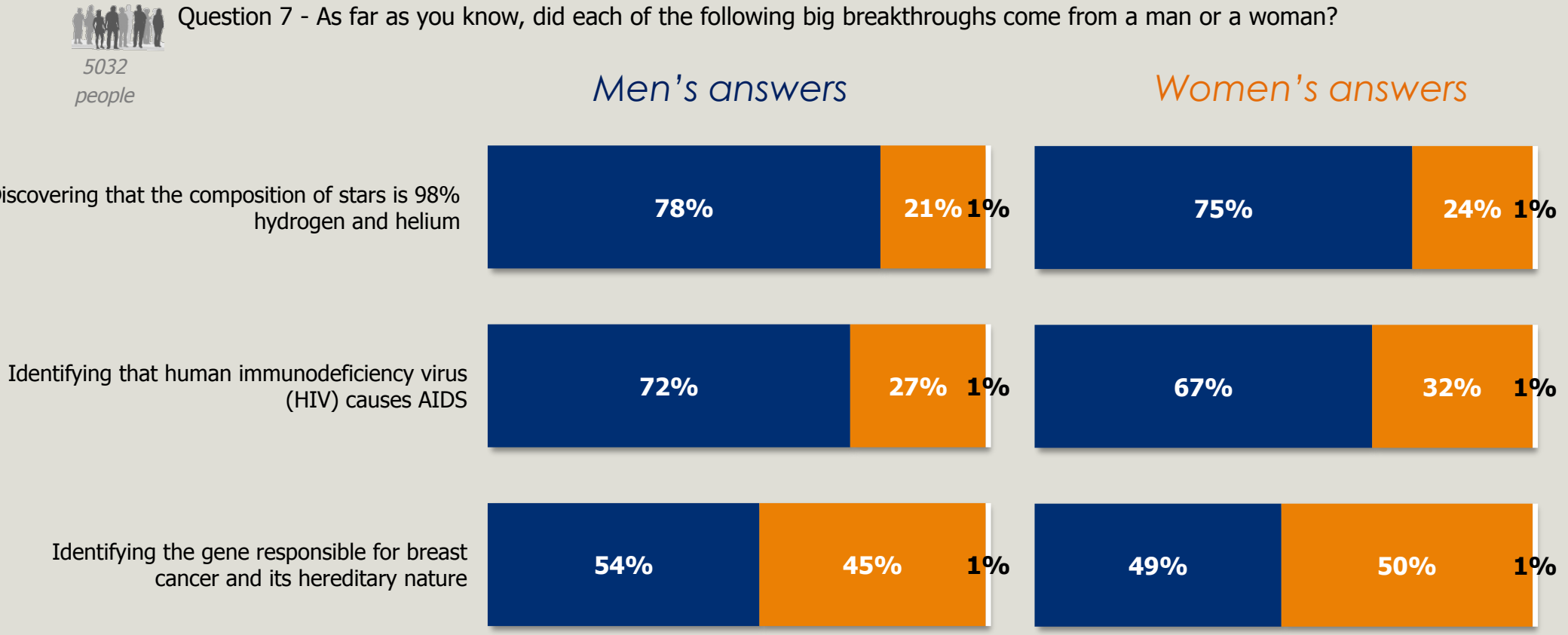
A man **A woman** **DK**

The knowledge about the origin of big breakthroughs

EUROPEANS - Men's answers vs. Women's answers

Question 7 - As far as you know, did each of the following big breakthroughs come from a man or a woman?

5032 people



The opinion about the proportion of women in science

TOTAL

5032 people

Question 8 - And in your opinion, how many...

Open numeric question – spontaneous answers in %

...female doctorates are there amongst the world's scientific doctorates?

EUROPEANS **36 %***

Ranking

	31 %
	36 %
	38 %
	34 %
	40 %
	27%

*According to an analysis conducted by the BCG the right answer is **25%***

...female researchers are there amongst the world's scientific researchers?

EUROPEANS **33 %***

Ranking

	27 %
	37 %
	32 %
	31 %
	37 %
	25%

*According to an analysis conducted by the BCG the right answer is **29%***

...women are there amongst the highest academic levels within the sciences in the European Union?

EUROPEANS **28 %***

Ranking

	24 %
	34 %
	29 %
	24 %
	27 %
	24%

*According to an analysis conducted by the BCG the right answer is **11%***

The opinion about the proportion of women in science

EUROPEANS - Men's answers vs. Women's answers



5032 people

Question 8 - And in your opinion, how many...

Open numeric question – spontaneous answers in %

	...female doctorates are there amongst the world's scientific doctorates?	...female researchers are there amongst the world's scientific researchers?	...women are there amongst the highest academic levels within the sciences in the European Union?
Men's answers	35 %	33 %	28 %
Women's answers	36 %	33 %	27%



- *Contrary to what people think now, there are more women in the laboratories than men so I think that 10 years from now the trend will be clearly reversed"*
- *That's all there are, I'm among the only guys in the department, and even in top management there are a lot of women, and they are very, very ambitious, perfectionist, run a tight ship, so I'm serene over the future"*
- *For women wanting to get into a professional role it's a very good time for them indeed. Science is definitely more accessible for women than a lot of other professions, it has been very liberating for them."*
- *All you have to do is see who graduates from med school, there's a lot more than 15% of men and the rest are women, so pretty soon we'll have more women doctors and in biology there is a majority of girls but then in physics no, physics is still very male and math is still male".*
- *I think it was a cliché. I remember in school, I mean in Terminal S, there were often more boys than girls and now the trend is reversed. And the top of the class were girls and in medicine it's just girls. So I have the impression that it's changing, perhaps it's changing"*
- *There didn't use to be that many women scientists, it has changed now, but because that's how it was, everyone sees that as the norm."*

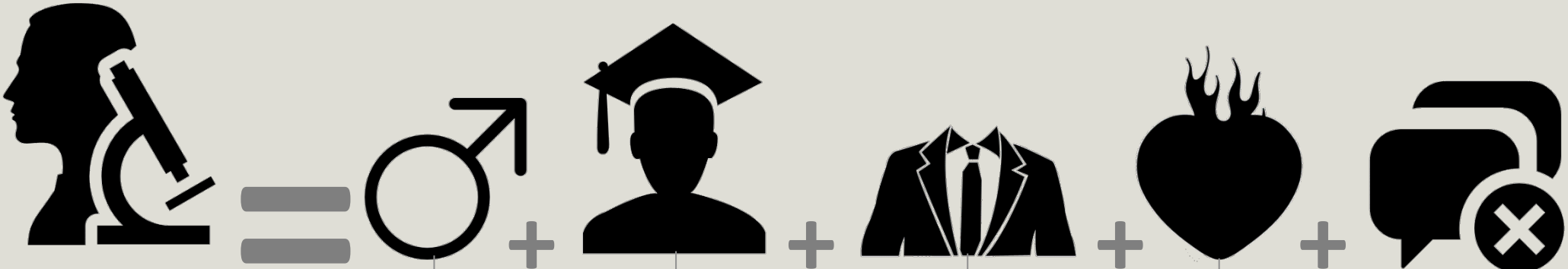
2. Prejudices about women in science

The Identikit picture of someone doing scientific research

EUROPEANS

Question 5 - And if you had to put together an Identikit picture of someone who does scientific research, would you think of...?

5032 people



A man
54%

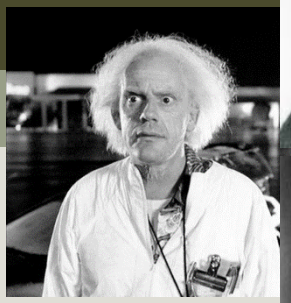
Young (under 40)
50%

Who take care of their apparence
73%

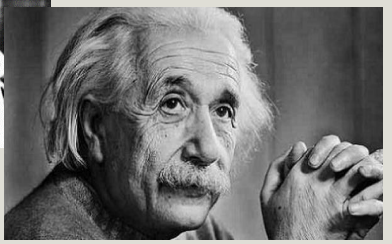
Who does their work with passion
89%

Who is reserved
54%

Professeur Tournesol.
Docteur Mamour.
Pasteur.
Einstein.



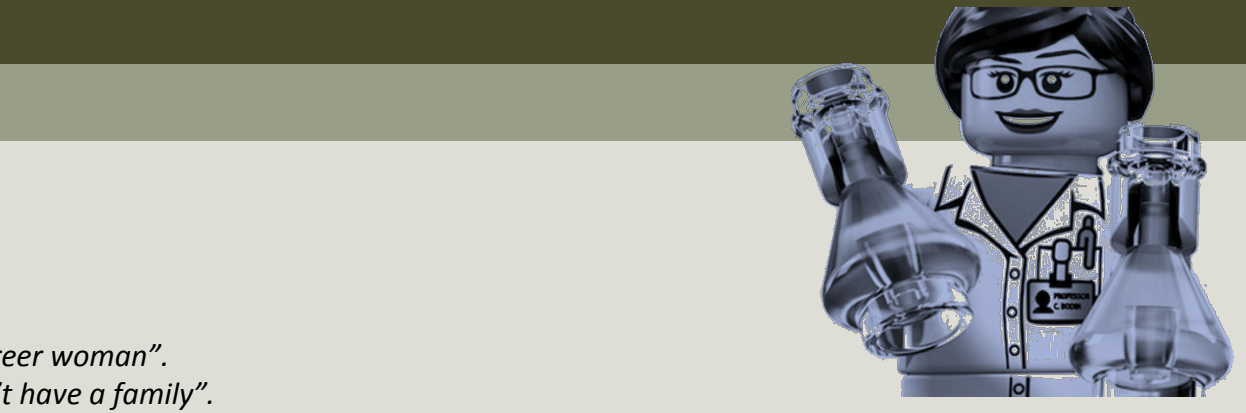


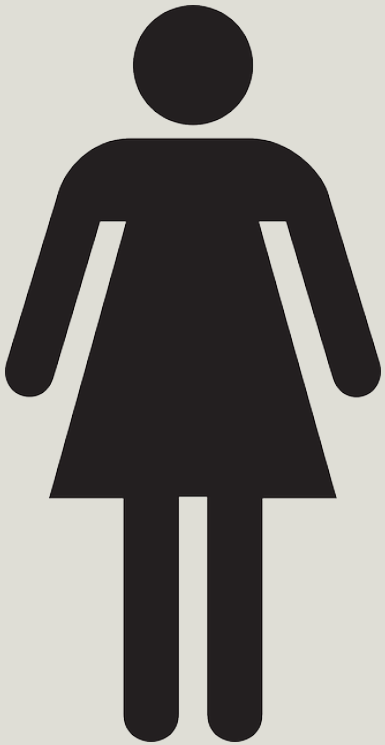


The neglected lone wolf



- *60-65 years old, with kind of messy hair"*.,
- *In other words, he has a little trouble communicating with others".*
- *Not a fashion victim"., "He wears totally out of style clothes".*
- *Someone passionate, he's in his own little world".*
- *He has a form of intelligence. He doesn't have any social intelligence".*
- *Rather calm and introverted, a little bit like Woody Allen" "A biologist was for me a tree-hugger with Brikenstocks, beards, neglected. But this is not true anymore today"*
- *Everyone has the image of a researcher with his head in his lab bench, who talks to other researchers in incomprehensible words and who ultimately never leaves his lab"*
- *He can't, I mean, he can't discuss his subject with just anybody. He has trouble dumbing it down", "(…) It's as if he lived in his ivory tower with other scientists from his field", "He's kind of autistic"*
- *I think it's related to our teachers in fact, at the time we had teachers who were like that"*
- *I have the image of a biologist, it was, well, a […] with big glasses and smoky and that will remain an image"*
- *It's Einstein isn't it basically!"*
- *The archetypal figure that you imagine is a bloke." (UK non Scientist)*
- *It's the late C19th/early C20th media image of a mad scientist."*





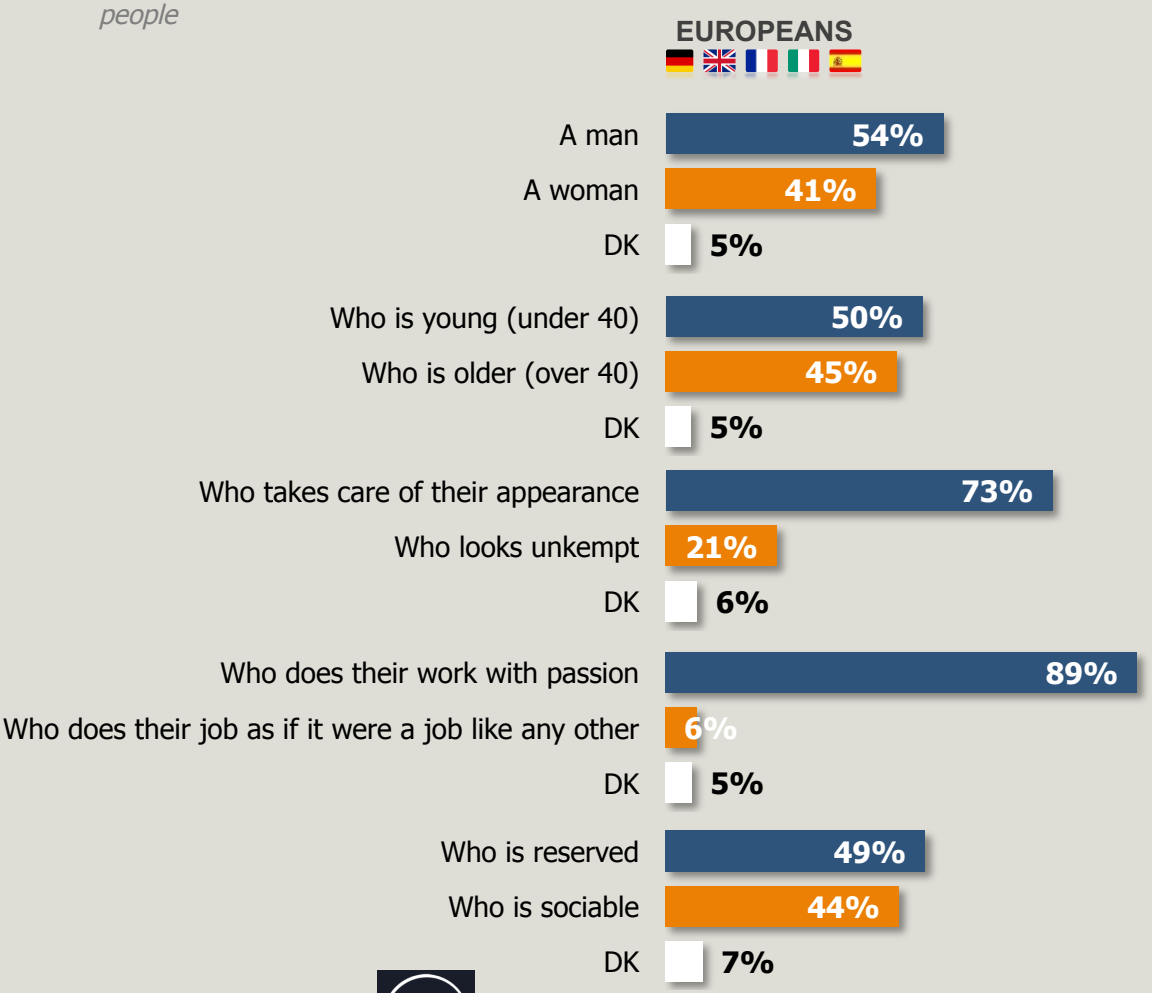
- *“ She’s a career woman”.*
- *“ She doesn’t have a family”.*
- *“ At worst she has a husband who’s also career-minded, that way he […] halfway around the world”.*
- *“ She likes things that are well-done, and knowing why things are done, not memorizing it, you develop that-understanding why”*
- *“ She’s not much fun”., “She’s not friendly”.*
- *“ Her hair pulled back. Something practical”.*
- *“ She doesn’t wear jewelry”., “She doesn’t wear nail polish, she doesn’t have any nails.”, “Not the Chanel woman”, “She’s aloof, she’s not very friendly”.*
- *“ Not in a laboratory because in a lab you’re not allowed to wear heels for safety reasons, you’re not allowed to wear dresses for safety reasons, if you spill something on your legs, you have to wear pants to protect yourself from burns”.*
- *“ She wears sneakers”, “If she leaves work, in trousers”*
- *“ I didn’t see her that way. I saw her with high heels, an attractive woman, with a lab coat, her hair pulled back but…”*
- *“ Super methodical”, “Perfectionist”, “A very scientific mind”, “Needs to see the proof”, “Open to finding out”*
- *“ She’s 30, she speaks several languages, because the old guy there, I don’t know… she travels, she is more dynamic”*
- *“ I had a (science) teacher in junior high, she was very, very masculine…”*
- *“ More someone around 40, mature, some miles on her, not necessarily someone young”*
- *“ I see her more in a laboratory, I don’t know why”*
- *“ The females that I have worked with have not been explicitly feminine.”*
- *“ Maybe women push that side of themselves in order to be seen as more serious.”*

The Identikit picture of someone doing scientific research

TOTAL

Question 5 - And if you had to put together an Identikit picture of someone who does scientific research, would you think of...?

5032 people



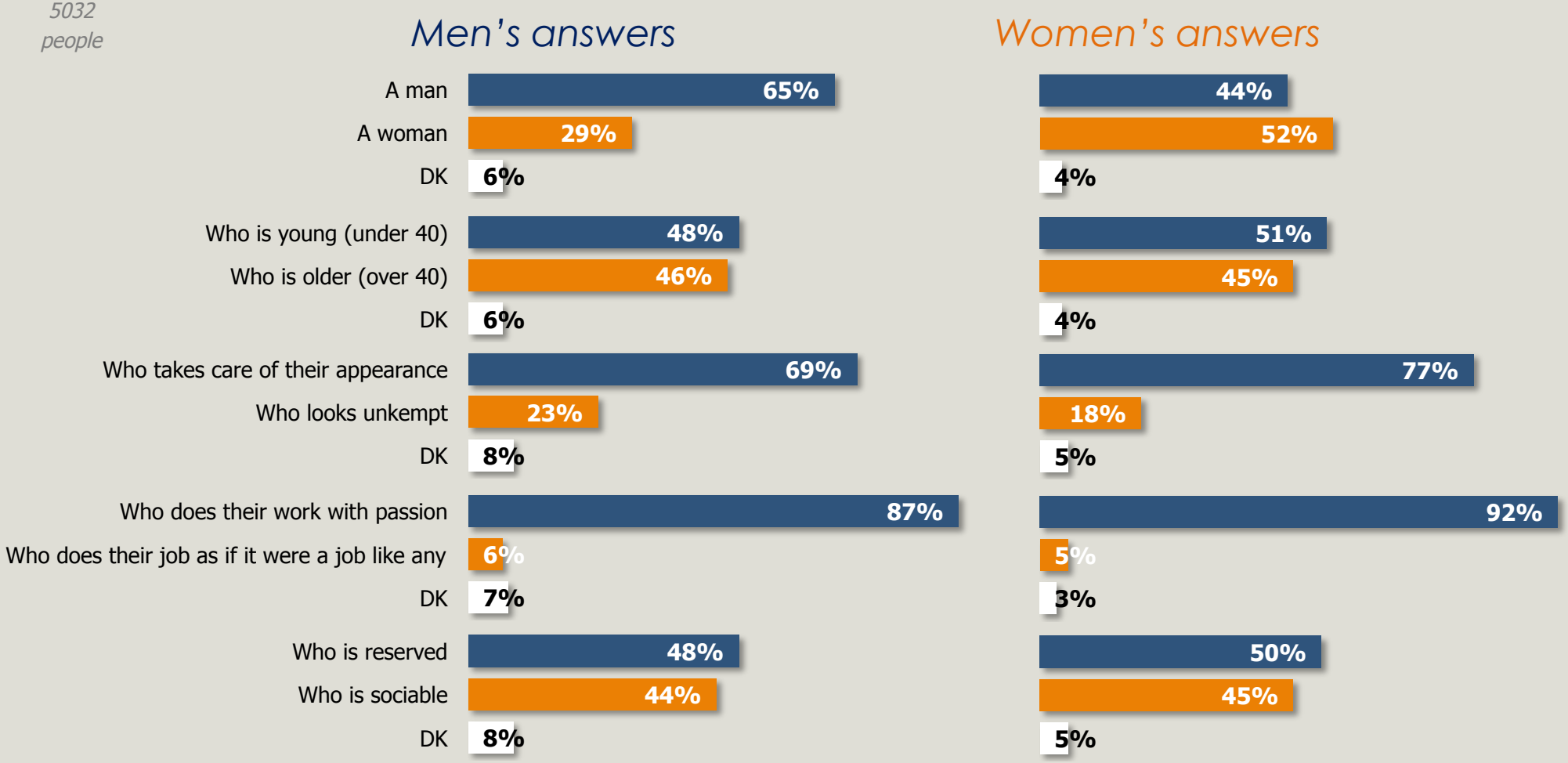
	Germany	UK	Spain	France	Italy	China
A man	55%	65%	47%	59%	44%	77%
A woman	43%	31%	40%	37%	53%	18%
DK	2%	4%	13%	4%	3%	5%
Who is young (under 40)	40%	40%	44%	46%	76%	28%
Who is older (over 40)	58%	55%	43%	51%	21%	67%
DK	2%	5%	13%	3%	3%	5%
Who takes care of their appearance	85%	49%	82%	77%	73%	39%
Who looks unkempt	13%	44%	4%	20%	21%	51%
DK	2%	7%	14%	3%	6%	10%
Who does their work with passion	89%	86%	90%	90%	93%	73%
Who does their job as if it were a job like any other	8%	9%	1%	7%	2%	19%
DK	3%	5%	9%	3%	5%	8%
Who is reserved	55%	63%	43%	42%	40%	73%
Who is sociable	42%	31%	42%	54%	54%	18%
DK	3%	6%	15%	4%	6%	9%

The Identikit picture of someone doing scientific research

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 5 - And if you had to put together an Identikit picture of someone who does scientific research, would you think of...?

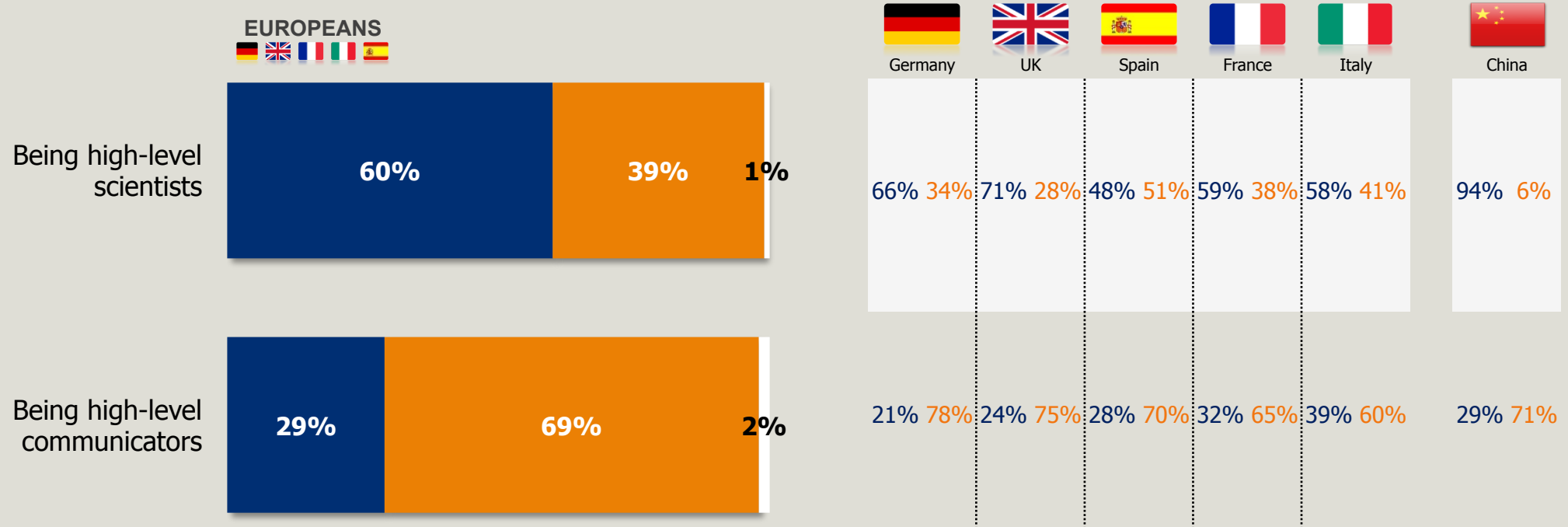


The most suited abilities of men and women by business sectors

TOTAL

Question 11 - In your opinion, are men or women more suited to...?

5032 people



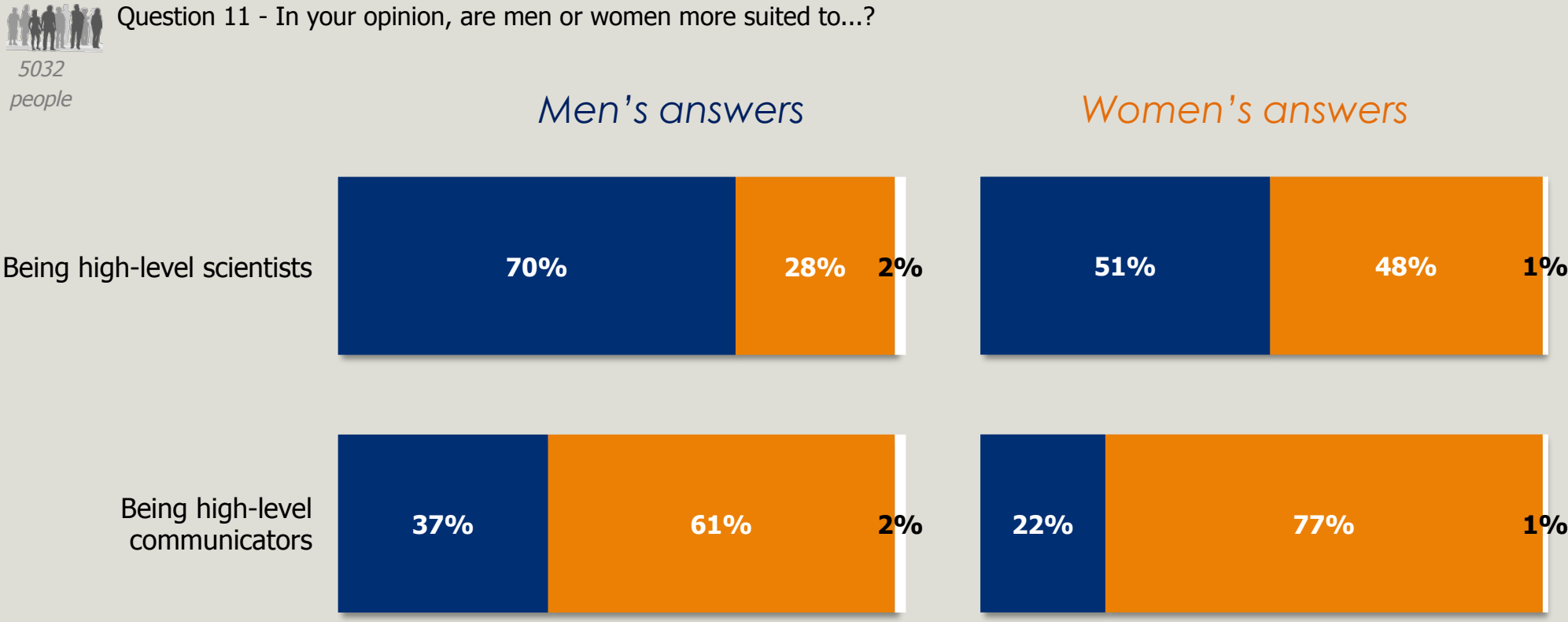
Men | Women | DK

The most suited abilities of men and women by business sectors

EUROPEANS - Men's answers vs. Women's answers

Question 11 - In your opinion, are men or women more suited to...?

5032 people





- *I think that we're different and that it isn't, and that in certain fields women are superior, I mean they're more interested in that field, it's not at all derogatory, they (men) have more abilities in certain fields and women have more abilities in other fields".*
- *Perhaps men go more towards jobs that pay while girls, we go more into jobs that interest us and the first criterion is not earning money that attracts us most, it's the job […] we would choose something".*

Women's aptitudes in various fields

TOTAL

Question 12 - In your opinion, which of the following fields do women have the most aptitudes for?

5032 people



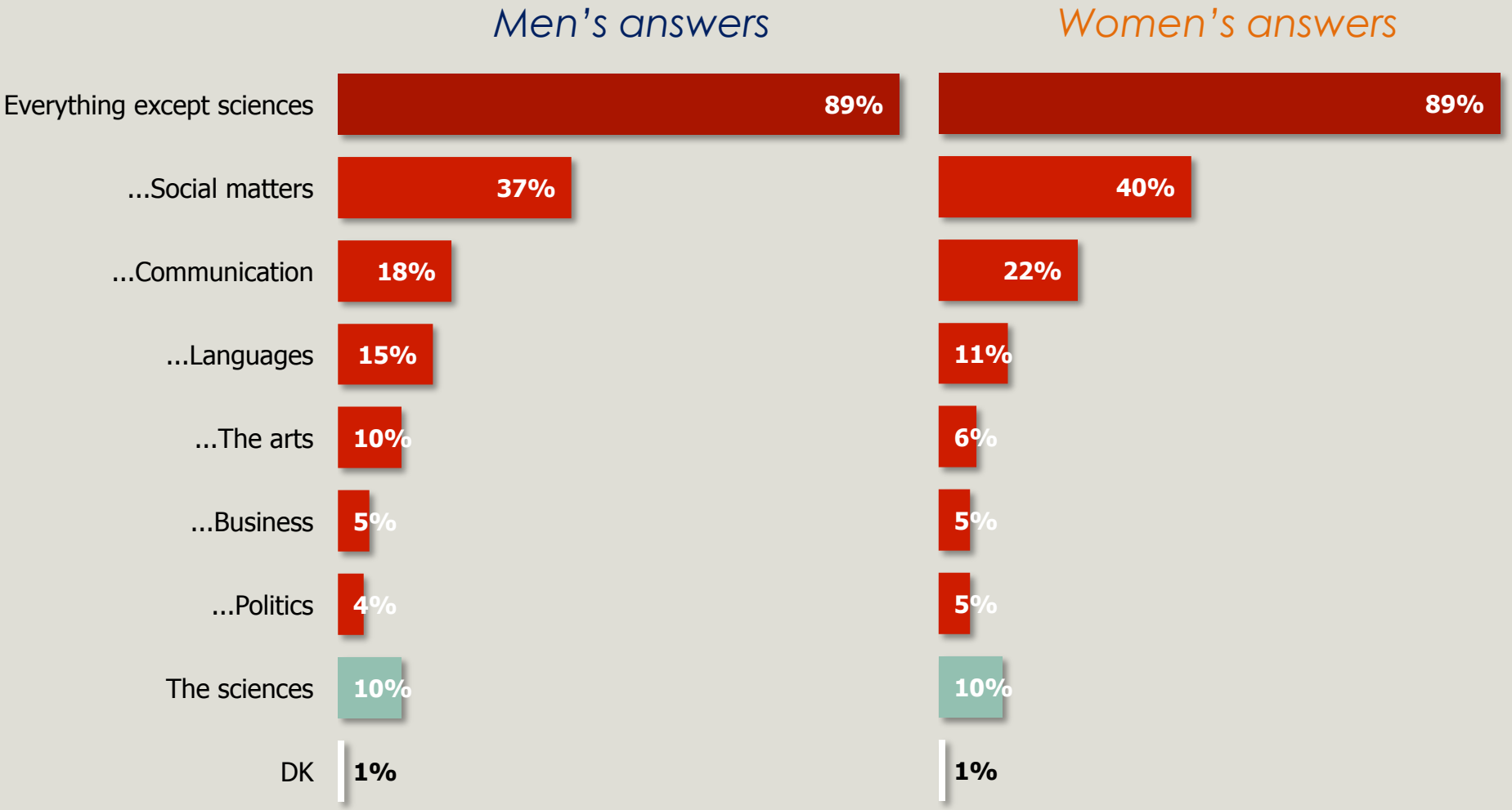
	Germany	UK	Spain	France	Italy	China
Everything except sciences	**97%**	**91%**	**83%**	**88%**	**89%**	**98%**
...Social matters	45%	31%	36%	45%	35%	7%
...Communication	22%	22%	19%	19%	19%	24%
...Languages	17%	12%	9%	10%	16%	27%
...The arts	6%	12%	8%	6%	9%	35%
...Business	3%	9%	4%	5%	4%	4%
...Politics	4%	5%	7%	3%	6%	1%
The sciences	**3%**	**8%**	**16%**	**10%**	**11%**	**2%**
DK	-	1%	1%	2%	-	-

Women's aptitudes in various fields

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 12 - In your opinion, which of the following fields do women have the most aptitudes for?



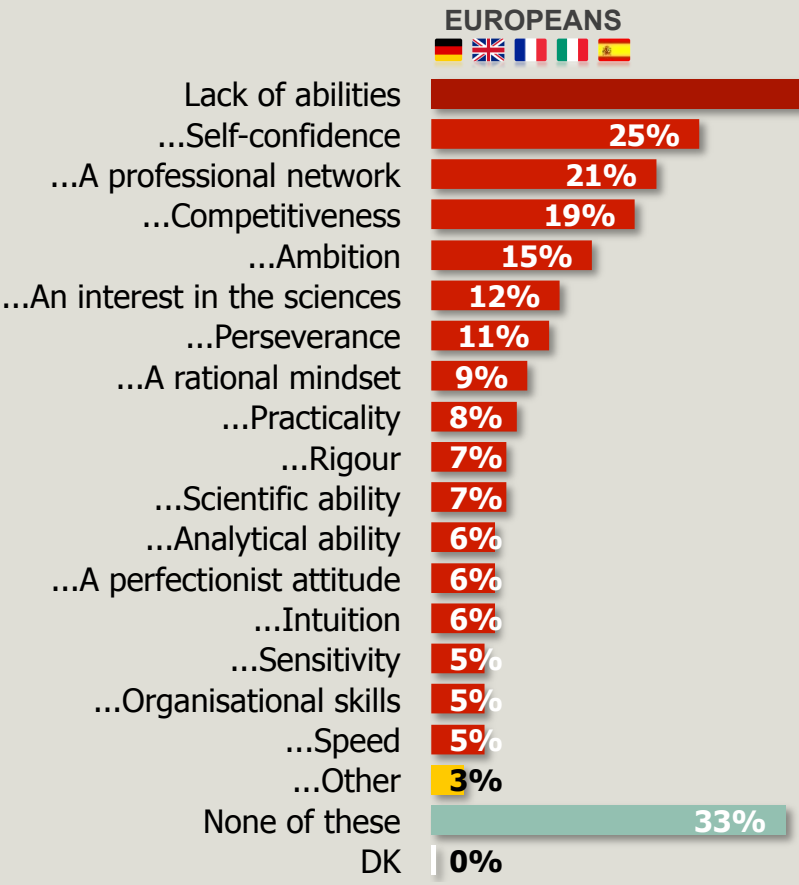
The lacking abilities stopping women from becoming high-level scientists

TOTAL

5032 people

Question 10 - And in your opinion, what abilities do women lack that stops them from becoming high-level scientists?

Several answers possible– Total exceeds 100%



Germany	UK	Spain	France	Italy	China
71%	**64%**	**63%**	**64%**	**70%**	**93%**
32%	23%	23%	25%	24%	22%
15%	18%	21%	30%	20%	14%
25%	15%	17%	20%	17%	22%
11%	12%	18%	18%	15%	18%
14%	15%	10%	13%	6%	30%
15%	7%	13%	11%	10%	21%
11%	7%	9%	6%	10%	44%
9%	8%	8%	4%	10%	19%
15%	4%	8%	5%	6%	13%
8%	5%	10%	7%	5%	20%
9%	5%	7%	5%	6%	28%
7%	5%	9%	4%	7%	12%
5%	4%	8%	2%	9%	8%
5%	8%	7%	3%	4%	13%
3%	3%	8%	3%	7%	16%
4%	5%	6%	3%	6%	13%
2%	4%	3%	2%	3%	1%
28%	**36%**	**37%**	**35%**	**30%**	**7%**
1%	-	-	1%	-	-

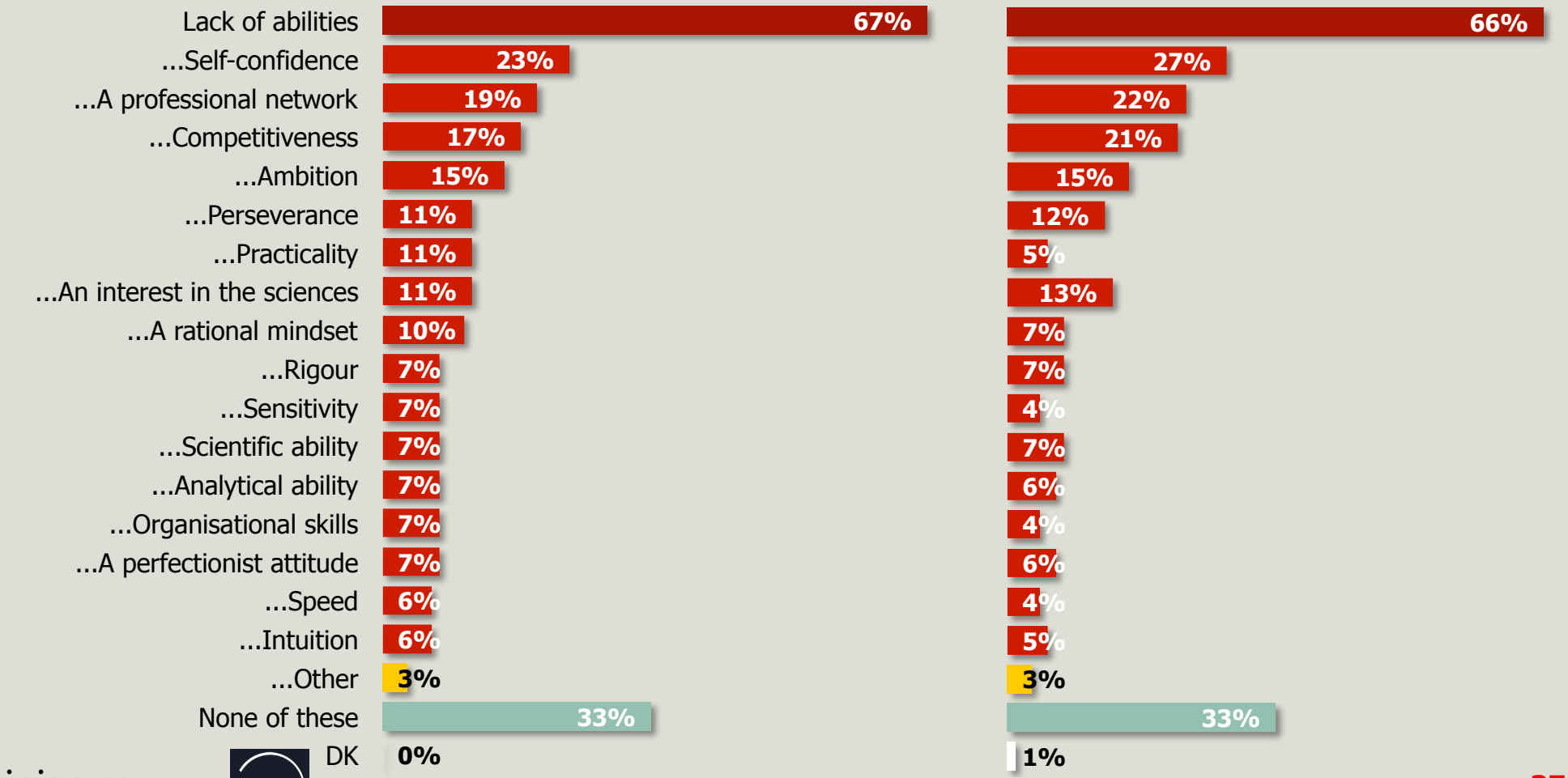
The lacking abilities stopping women from becoming high-level scientists

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 10 - And in your opinion, what abilities do women lack that stops them from becoming high-level scientists?

Several answers possible– Total exceeds 100%





- *Women need more than only the profession. We are not going to sacrifice everything for work"*
- *Male researchers don't have anything else- just science, they don't have anything else in their lives"*
- *They enjoy more life than their male colleagues. I can well imagine a professor in biology who enjoys the luxury of going to the theater or taking diving lessons."*
- *They (men) are more scientific and women are more literary, that's my impression. It's global, I think that everyone says so, the majority".*
- *For women, well, I don't know if it's a gene, well, in any case it's been proven that women have less spatial vision than men".*
- *They (men) are more scientific and women are more literary, that's my impression. It's global, I think that everyone says so, the majority".*
- *Boys are perhaps more ambitious, for success, they like to be in competition, while we're less…"*
- *They tend to say, I don't know whether there's something scientific in it, that women don't know how to interpret street plans or maps, they say that to all of us. I've got a sense of direction, and I'm a woman, and I have a period, I'm not blond, but..."*
- *When we were doing our work experience with cows, the farmers still had a very deep-seated idea that women aren't good vets, because of handling cows, the strength needed... "Women never do country work", and they don't tell it to your face- they always say it to your male colleague, and that 's what really annoys you."*
- *Perhaps in decision making or maybe precisely in discovering something, since we start from the fact that they don't find as much as men, so maybe she is, in reputation, she's maybe less useful as well"*
- *It's not a problem of competency in the field in fact, they could have it, it's also more a matter of affinities"*

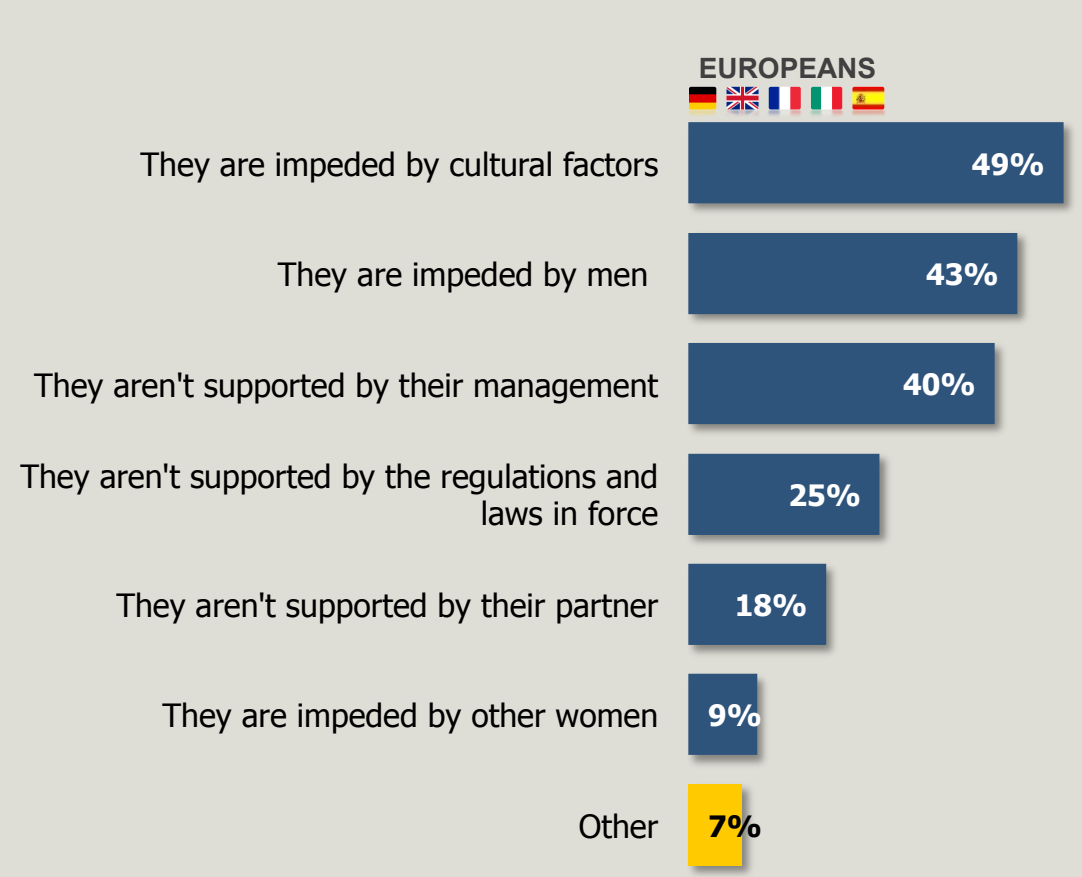
Factors preventing women from being high-level scientists

TOTAL

5032 people

Question 9 - In your opinion, what is the biggest factor preventing women from being high-level scientists?

Three answers possible– Total exceeds 100%



	Germany	UK	Spain	France	Italy	China
They are impeded by cultural factors	44%	50%	56%	50%	47%	63%
They are impeded by men	33%	37%	49%	58%	37%	40%
They aren't supported by their management	48%	33%	38%	44%	39%	31%
They aren't supported by the regulations and laws in force	24%	14%	22%	32%	35%	9%
They aren't supported by their partner	29%	14%	12%	21%	16%	37%
They are impeded by other women	8%	11%	11%	8%	8%	14%
Other	6%	9%	7%	6%	5%	5%

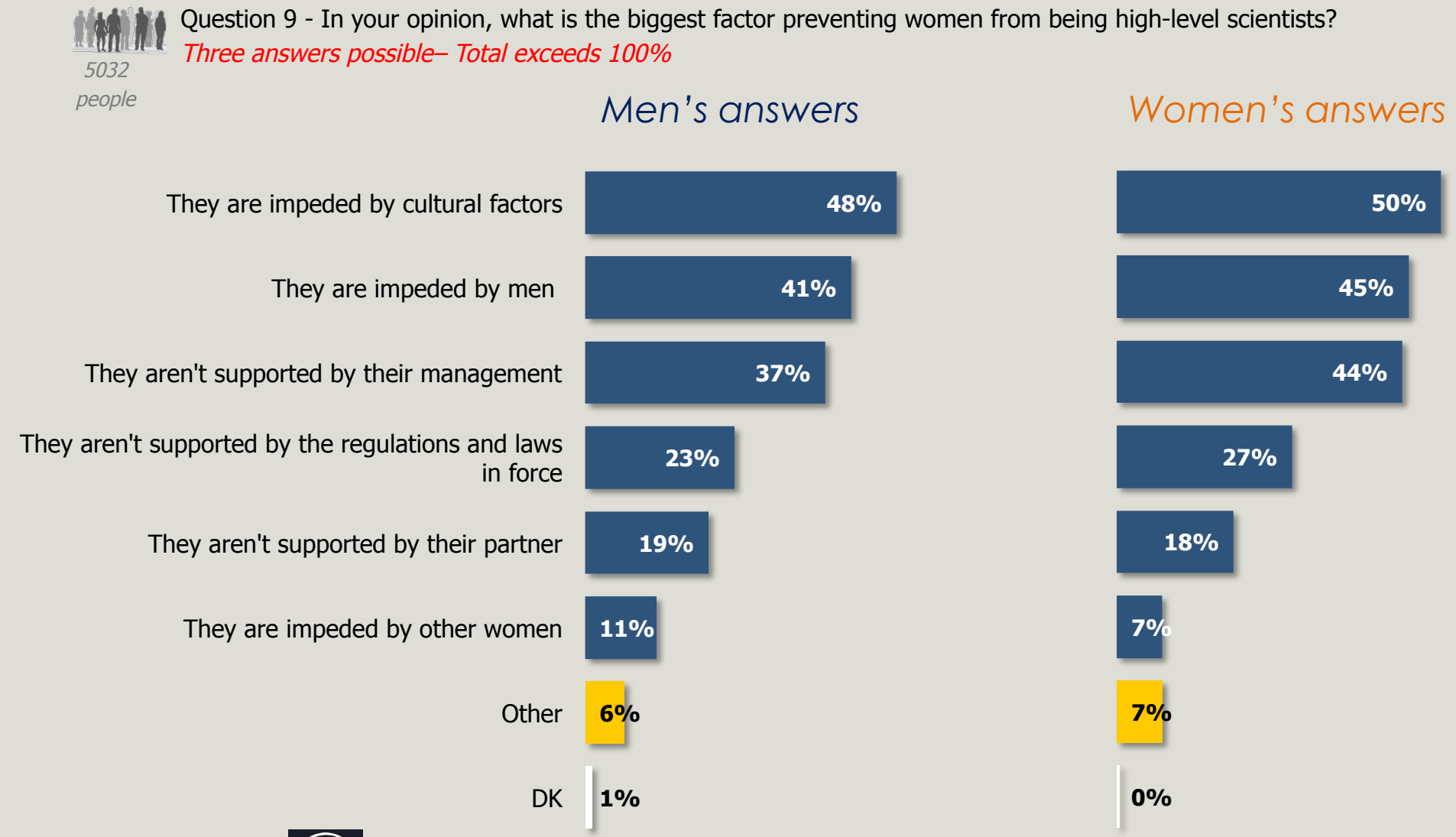
Factors preventing women from being high-level scientists

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 9 - In your opinion, what is the biggest factor preventing women from being high-level scientists?

Three answers possible– Total exceeds 100%





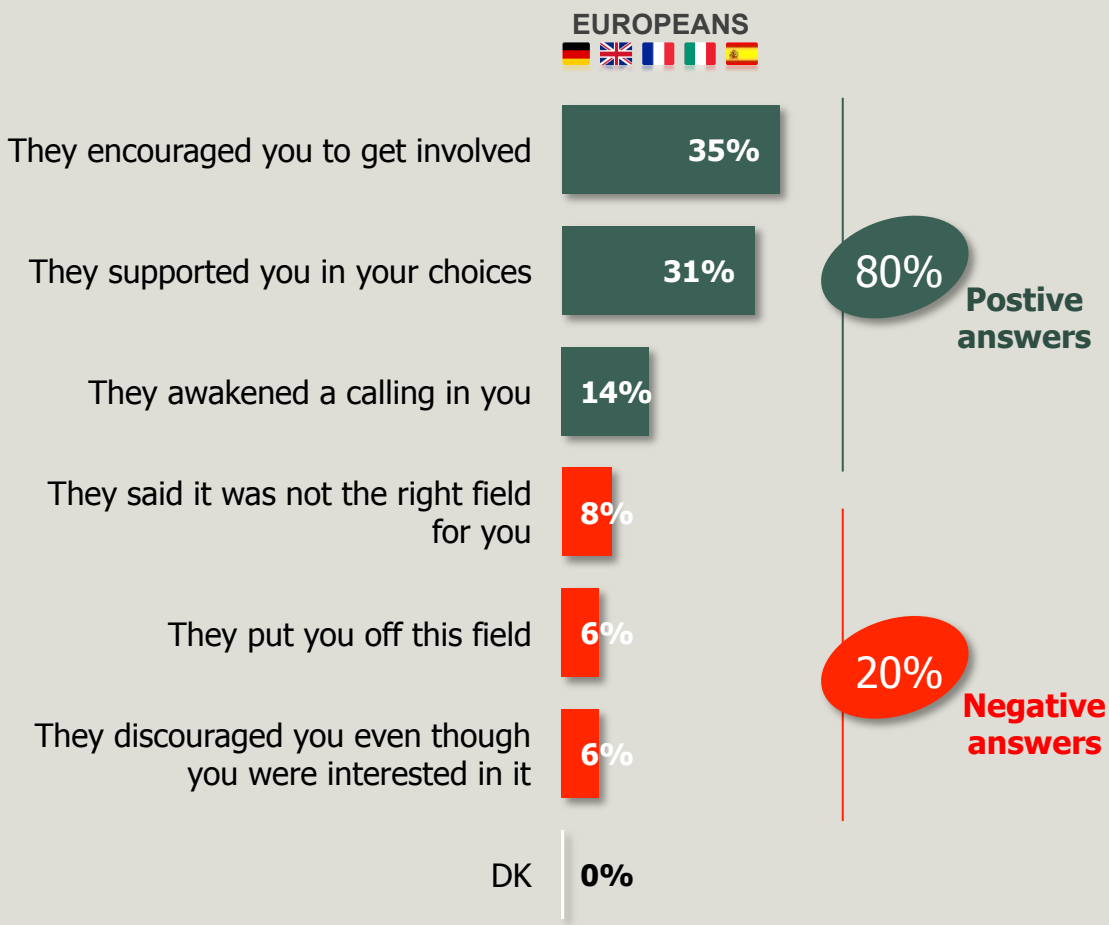
- *“ I also think there’s something, it’s that women don’t work, I mean, they’ve been working for a lot less time than men so of course their progress is slower too. You really have to say what’s what, women have been in science for 100 years but men have done it for hundreds of years so naturally they’ve had more time to make more progress.”*
- *“ Plus I think there’s a cultural thing in history, already, not so very long ago, we (women) weren’t allowed to aim for education, to work in that kind of field or anything, or even to hold jobs with responsibility even outside of the scientific field”.*
- *“ They might perhaps be more sensitive, fall into little depressions on us, well, I don’t know. More fragile.”*
- *“ Less rational than men, hyper emotional”.*
- *“ And then to impose themselves, if we have a management level job dealing with a team of men or even a big team, they (men) could think we have less charisma”.*
- *“ The fear that management would be too human”*
- *“ Lacking assertiveness to make decisions”*
- *“ It’s a problem with the family. When you have to look for jobs in the middle of a family a lot of us as women say: I give up, I quit looking in the sense that I won’t try to be a researcher, to have a position… because I want a family and it isn’t because, it’s just not compatible in fact”.*
- *“ (Women) They trip each other up”*
- *« (A woman who succeeds, people say that) it’s because she slept around, while when a man climbs it’s because he’s competent” (Une femme qui réussit, on dira que) c´est parce quelle est passée sous le bureau, alors qu´un homme il est monté parce qu´il a des compétences. »*
- *“ When you work in an environment with a majority of women, there’s greater competitiveness between women themselves, more than with men”*
- *“ Women plot against other women”*
- *“ They (women) conform more to what society expects of them”*
- *“ I’ve spoken to people who have said they would prefer to have a male boss any day than a woman.”*
- *“ In fact I think it comes from them. They don’t allow themselves to go into science, they prefer more feminine fields like secretarial fields, well…”*

The role played by teachers in one's decision to pursue science studies

Those who pursued science studies (17% of the sample)

863 people

Question 2 - In high school, what role did your teachers play in your decision to pursue studying science?



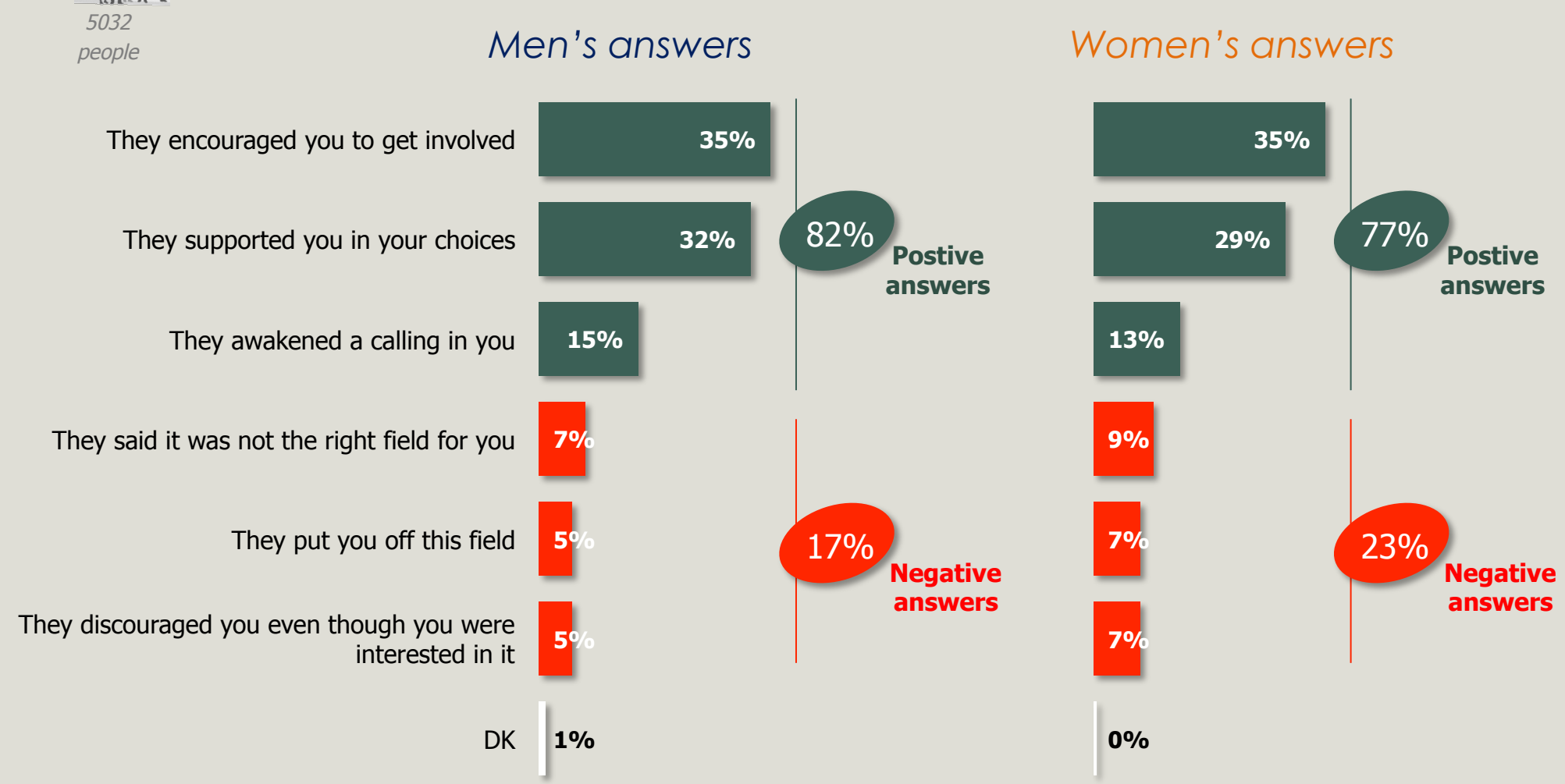
	Germany	UK	Spain	France	Italy	China
Postive answers	80%	89%	82%	79%	74%	81%
Negative answers	20%	11%	17%	20%	25%	18%

The role played by teachers in one's decision to pursue science studies

EUROPEANS - Men's answers vs. Women's answers among those who pursued science studies

5032 people

Question 2 - In high school, what role did your teachers play in your decision to pursue studying science?



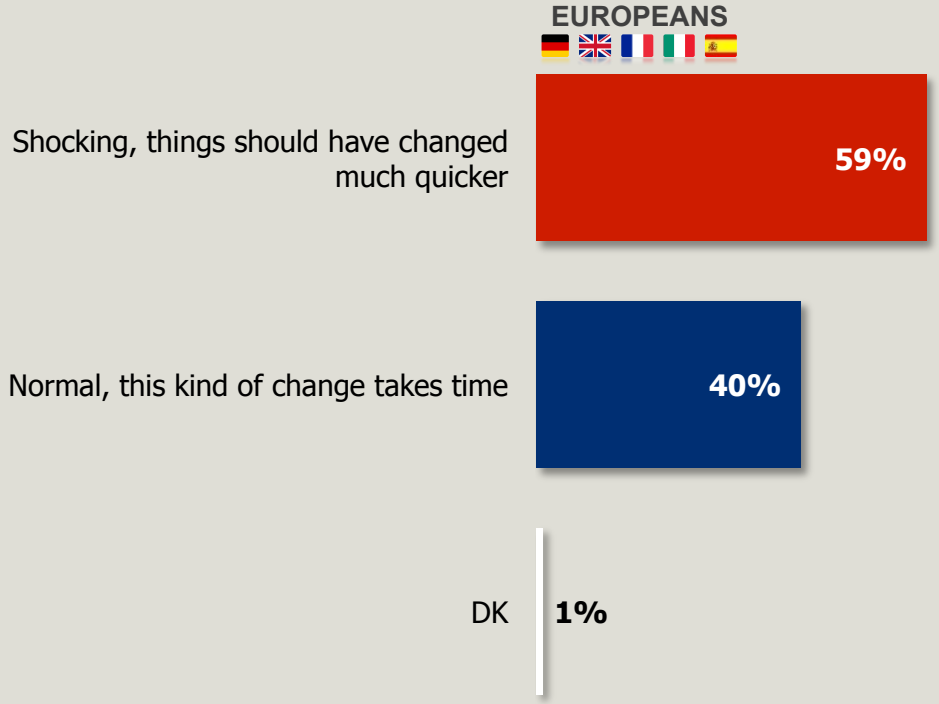
3. The evolution prospects of women in science

The opinion about the evolution of women in research for 20 years

TOTAL

5032 people

Question 14 - In 1990, 26% of the entire scientific research community was made up of women. In 2010, this figure was 29%. In your opinion is this... ?



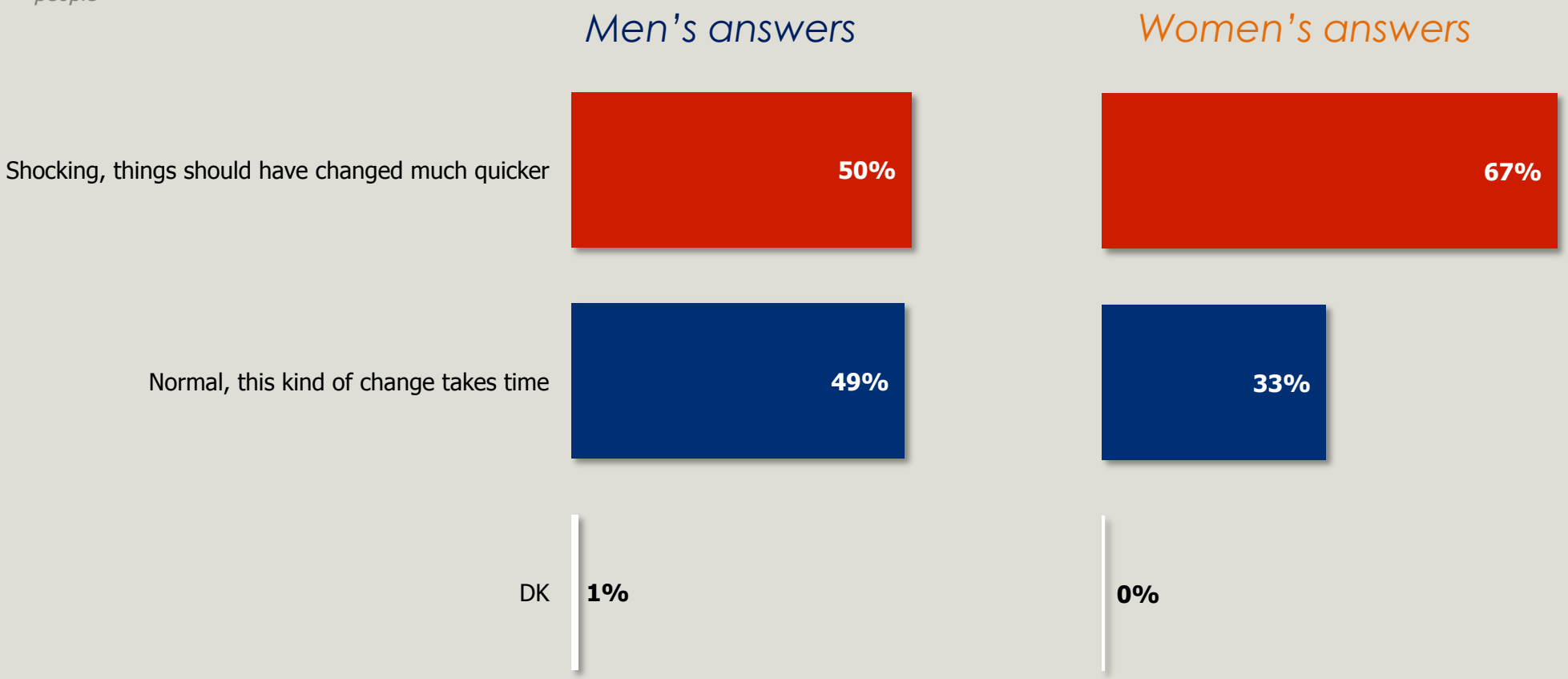
	Germany	UK	Spain	France	Italy	China
Shocking, things should have changed much quicker	50%	49%	76%	62%	57%	21%
Normal, this kind of change takes time	50%	51%	23%	37%	42%	79%
DK	-	-	1%	1%	1%	-

The opinion about the evolution of women in research for 20 years

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 14 - In 1990, 26% of the entire scientific research community was made up of women. In 2010, this figure was 29%. In your opinion is this... ?





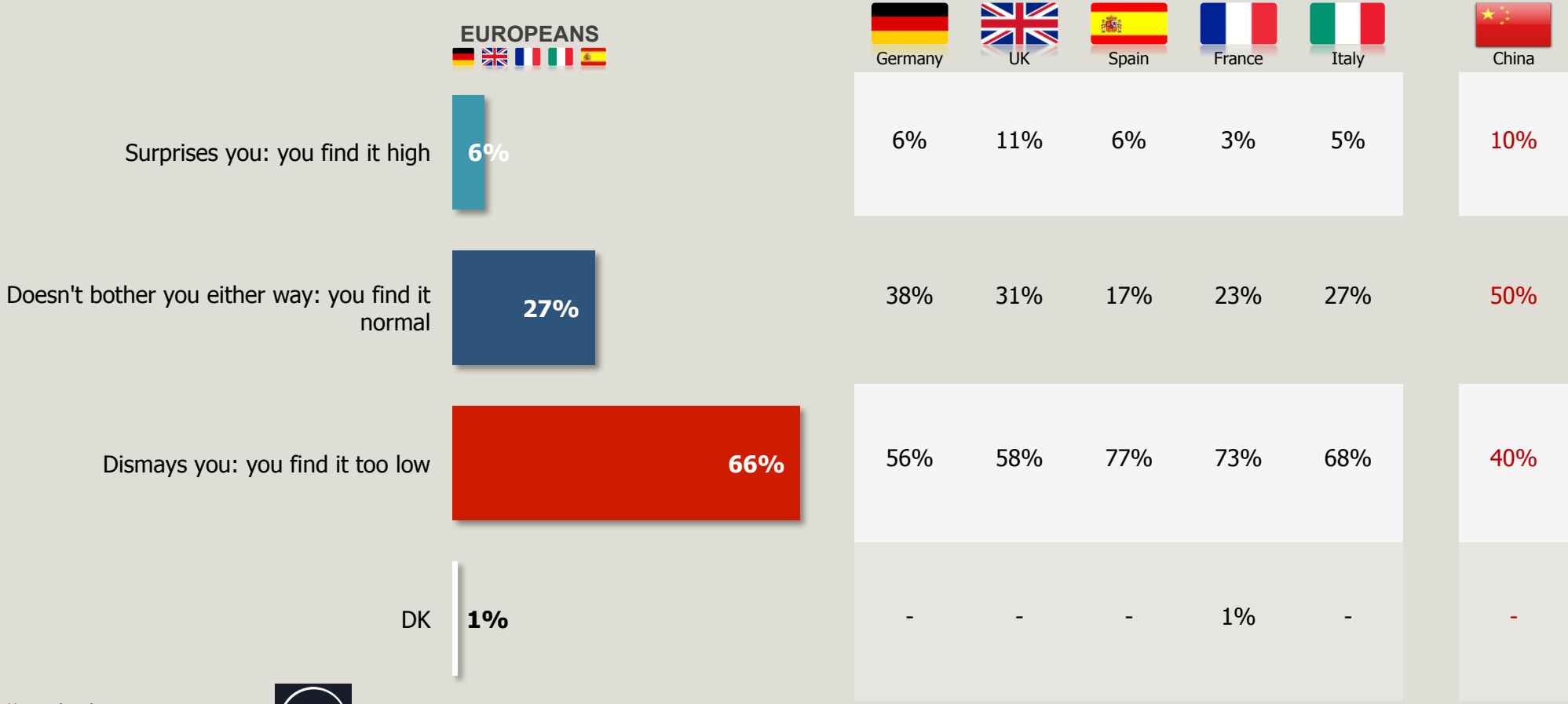
- *For women it has always been very difficult to get into any profession. That is something that has changed startlingly in my lifetime"*
- *I think it's going to change because society is changing, before women weren't given a chance to study for long years and now it's possible, and I think that just my daughter, for me I think it's changing and I'm very proud and I think that, well, girls don't have the same status as men in terms of studies but we're starting…"*
- *Unfortunately we're used to it, it's the way of thinking. Thinking is changing but it's a slow change… so for now we were raised that way too so even us, if we participate in the change, we grew up with that, we know that for now that's how boys see us, so it takes time but I'm sure that when I die people will still believe that scientists are men."*

The opinion about the share of Nobel prizes awarded to women

TOTAL

5032 people

Question 15 - Less than 3% of Nobel Prizes for science have been awarded to women since the prize was created in 1901. Would you personally say that this figure...

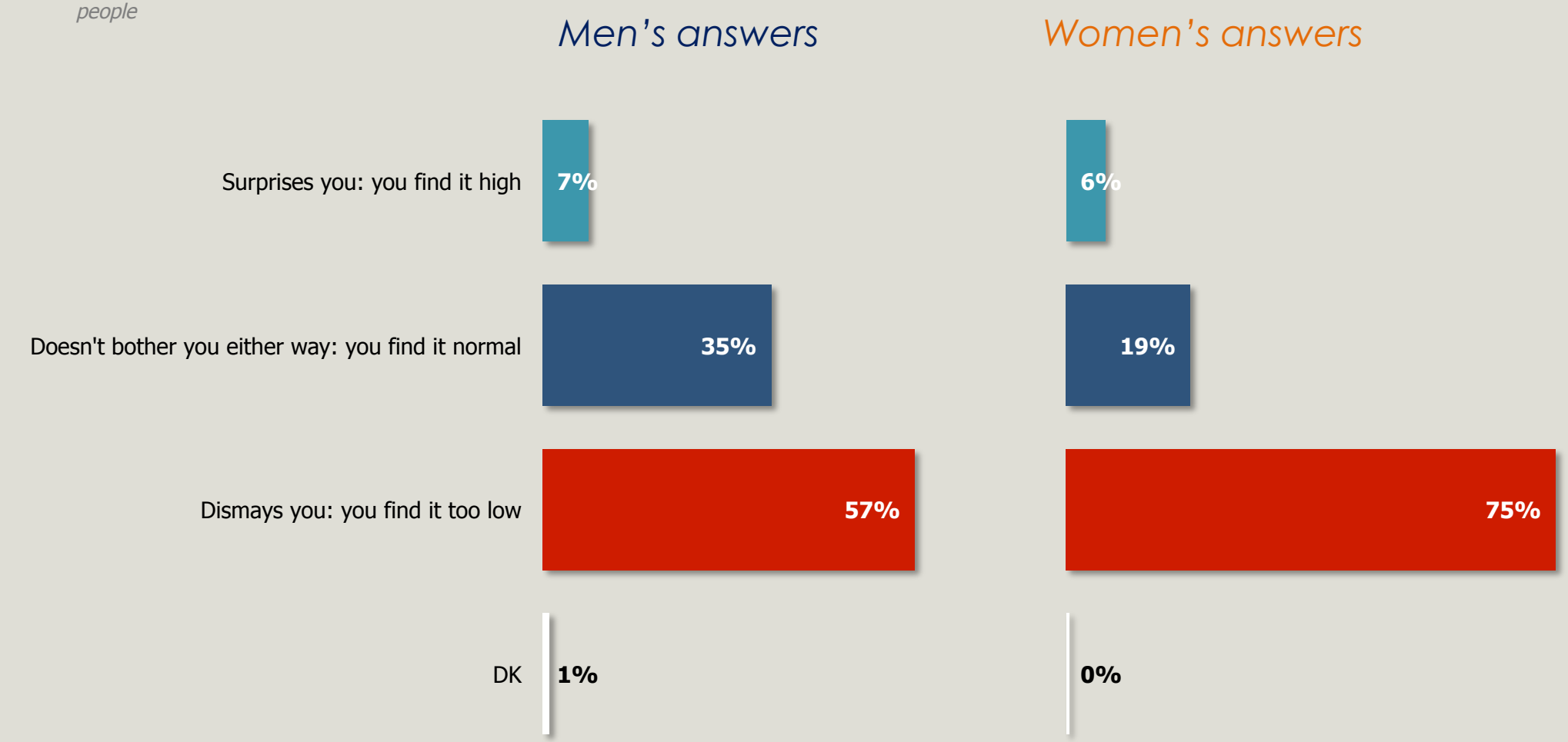


The opinion about the share of Nobel prizes awarded to women

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 15 - Less than 3% of Nobel Prizes for science have been awarded to women since the prize was created in 1901. Would you personally say that this figure...

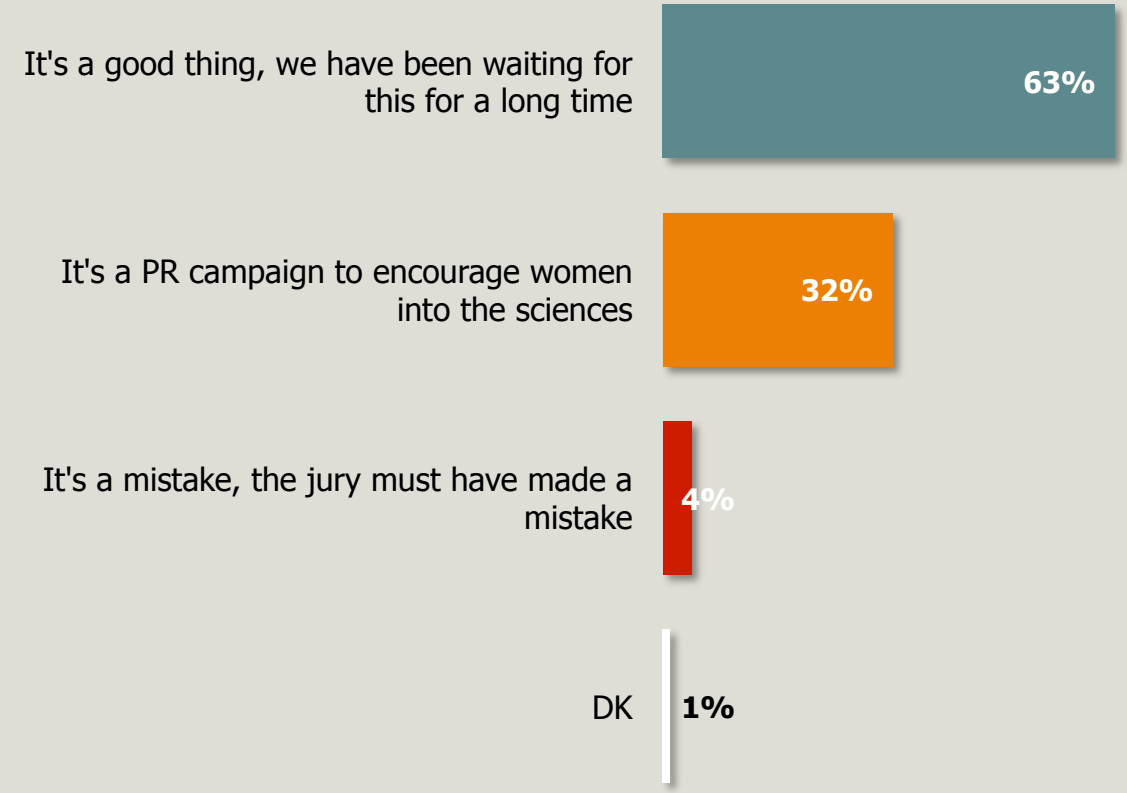


The reaction in case of a strict male/female equality in Nobel Prizes shares

TOTAL

5032 people

Question 16 - If tomorrow there were as many women as men awarded the Nobel Prize for science, would you say that...



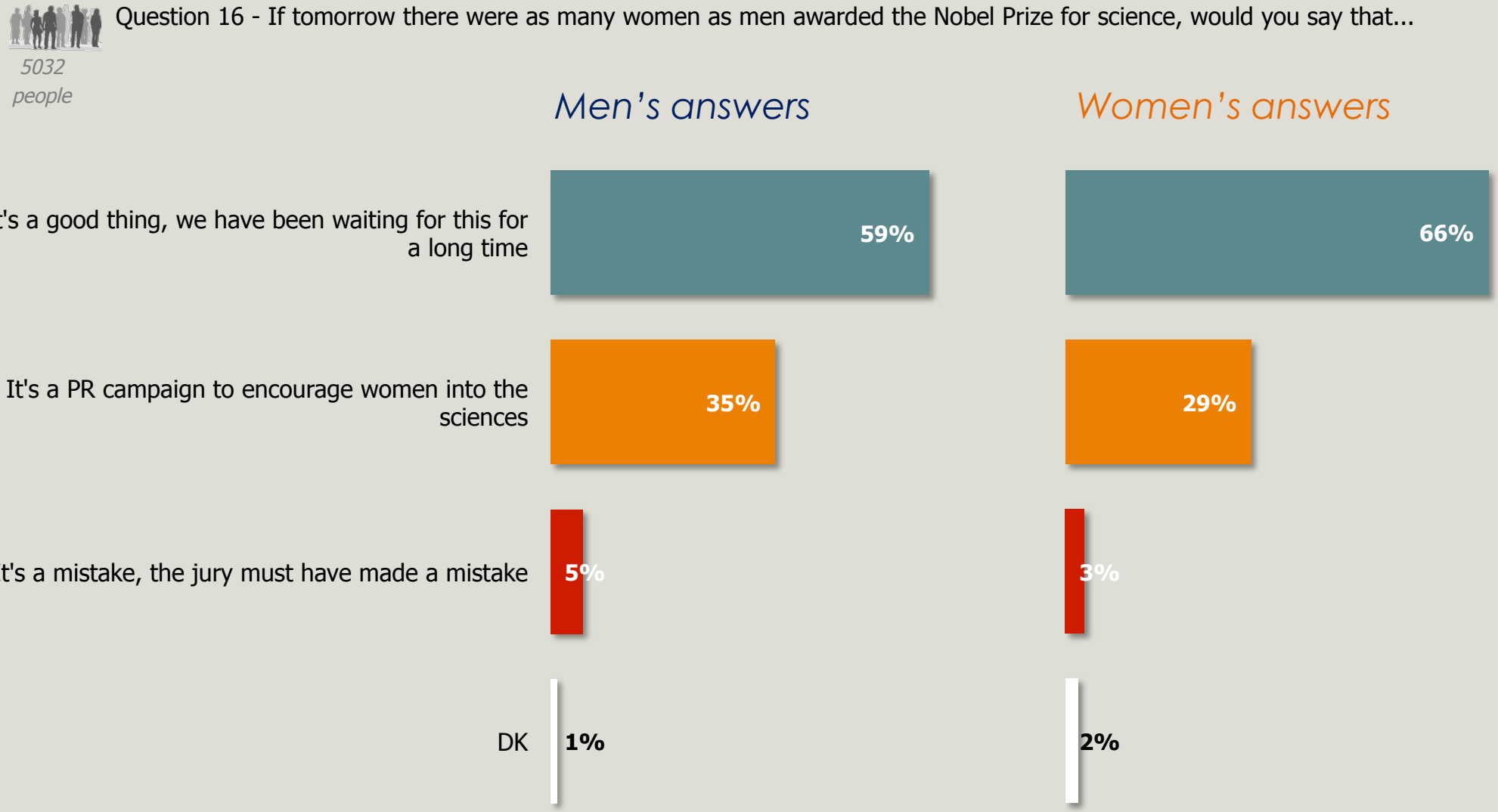
	Germany	UK	Spain	France	Italy	China
It's a good thing, we have been waiting for this for a long time	48%	62%	77%	65%	63%	51%
It's a PR campaign to encourage women into the sciences	45%	32%	18%	30%	34%	40%
It's a mistake, the jury must have made a mistake	6%	4%	3%	4%	2%	8%
DK	1%	2%	2%	1%	1%	1%

The reaction in case of a strict male/female equality in Nobel Prizes shares

EUROPEANS - Men's answers vs. Women's answers

Question 16 - If tomorrow there were as many women as men awarded the Nobel Prize for science, would you say that...

5032 people

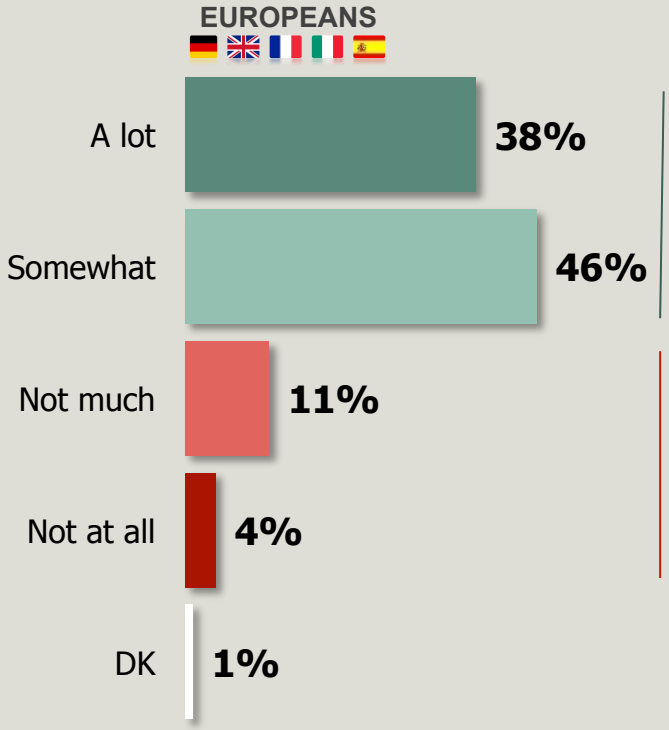


The importance of struggling for male/female equality in high-level scientific posts

TOTAL

Question 17 - In your opinion, to what extent does male-female equality in high-level scientific posts warrant people taking action?

5032 people



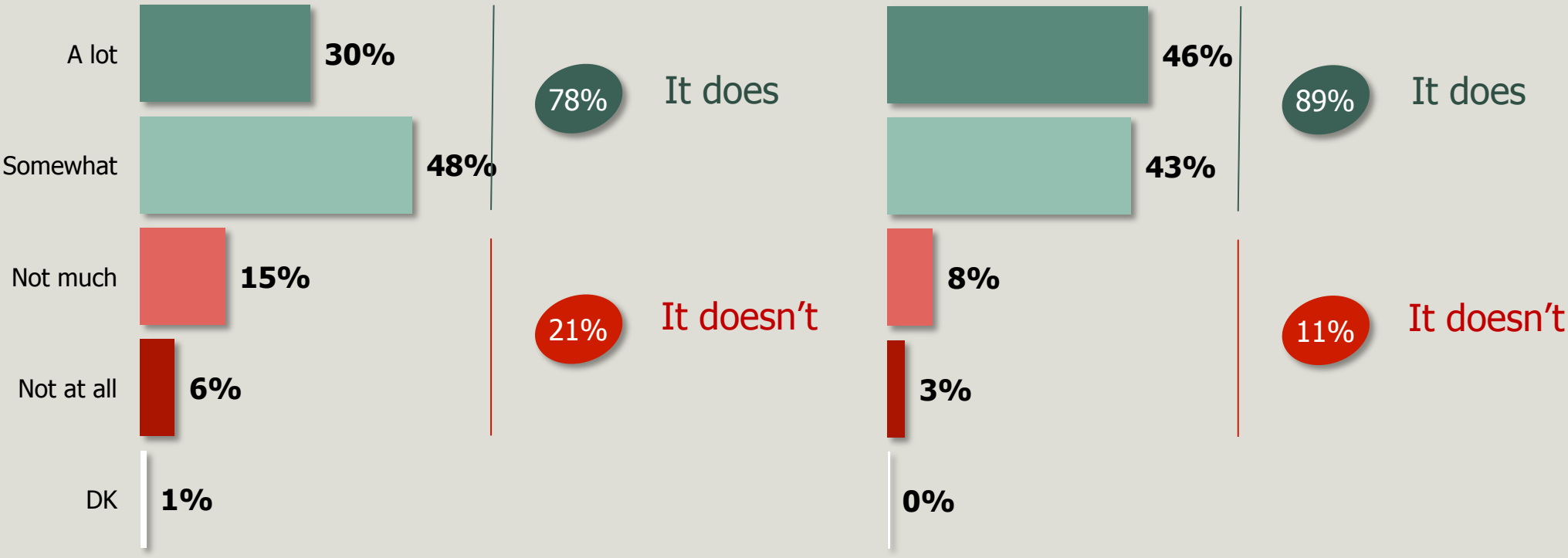
	Germany	UK	Spain	France	Italy	China
It does	82%	79%	86%	82%	90%	73%
It doesn't	18%	20%	14%	17%	10%	27%
	-	1%	-	1%	-	-

The importance of struggling for male/female equality in high-level scientific posts

EUROPEANS - Men's answers vs. Women's answers

Question 17 - In your opinion, to what extent does male-female equality in high-level scientific posts warrant people taking action?

5032 people



The advantages of there being more women as high-level scientists

TOTAL

5032 people

Question 13 - And in your opinion, what would be the advantages of there being more women as high-level scientists?

Two answers possible– Total exceeds 100%



	EUROPEANS	Germany	UK	Spain	France	Italy	China
Less inequality between men and women in the workplace	50%	48%	45%	57%	52%	47%	45%
A new sensitivity in research and development in all fields	44%	39%	37%	41%	55%	49%	46%
Better managed teams	23%	25%	24%	22%	18%	26%	24%
Inventions that meet market needs better	18%	16%	17%	21%	21%	14%	26%
Other advantages	1%	1%	2%	1%	1%	1%	2%
No advantage	9%	12%	13%	5%	10%	6%	3%
DK	1%	-	1%	-	1%	-	-

The advantages of there being more women as high-level scientists

EUROPEANS - Men's answers vs. Women's answers

5032 people

Question 13 - And in your opinion, what would be the advantages of there being more women as high-level scientists?
Two answers possible– Total exceeds 100%

