Gender ScanTM 2021 Survey Methodology:
The Gender ScanTM 2021 survey was conducted online (in 117 countries) from March to August 2021 on a declarative basis with 30,001 male and female respondents in the world.
In developing countries, 675 teenagers, among which 464 girls, 194 boys and 17 others, responded to the survey., which provides for a 3,8 margin of error The respondents studied in 24 different developing economies – Angola, Argentina, Barbados, Brazil, Chile, China, Colombia, Costa Rica, Ecuador, Ghana, Guatemala, Guyana, India, Mali, Maurice, Mexico, Panama, Peru, Philippines, Rwanda, Somalia, South Africa, Tunisia, Uruguay.

Definition of teenager here used is based on the UNESCO definition of secondary education, thus comprising levels 2 and 3 of ISCED (International Standard Classification of Education), about 11 years - depending on the age at which the students access secondary education and above). This definition allows for consistent comparisons of a geographical area to the other).
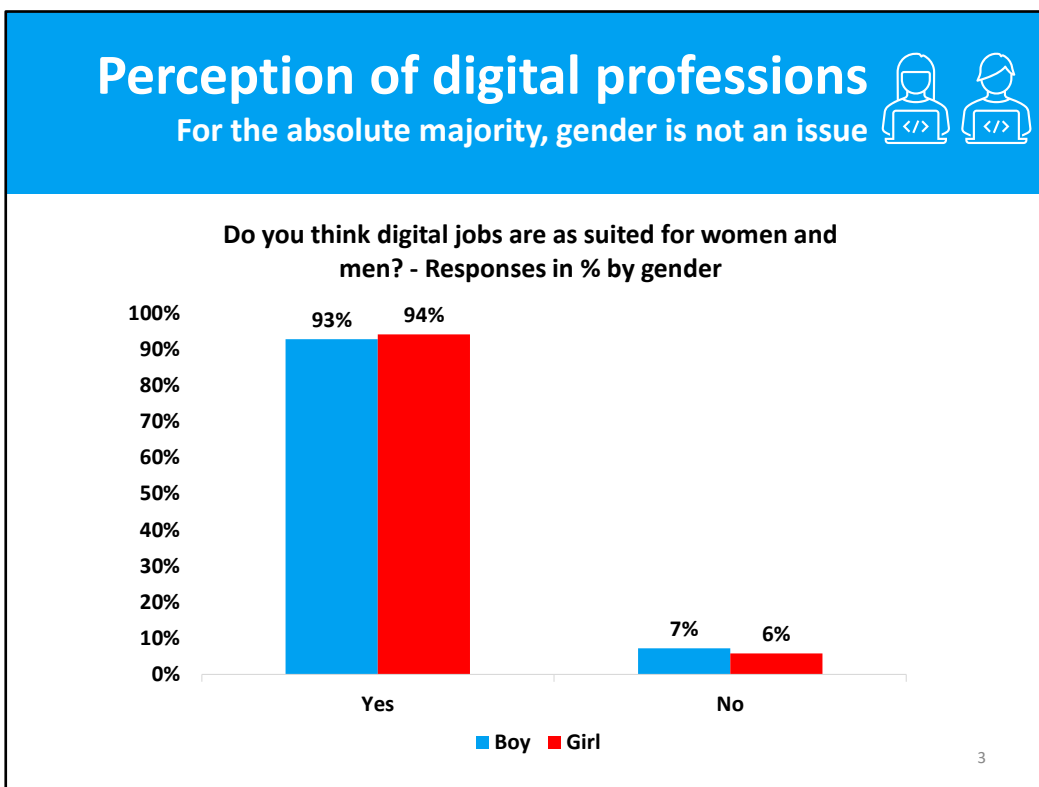
As for the perimeter "developing countries", we follow a United Nations' (UN) widely used classification, as present, among other documents, in the 2021 World Economic Situation Prospects. We are aware of the problems and limits of this conceptualization and do not embrace it unconditionally. However, alongside many analysts, scholars and consulting firms, as well as UN agencies, we consider it adequate for the purposes of benchmarking and comparison.

GS 2021 survey – Developing countries Teenagers report – table of contents

GLOBALCONTACT
Études&Conseil

Perception of digital professions
For the absolute majority, gender is not an issue

Do you think digital jobs are as suited for women and men? - Responses in % by gender

For more than 90% of the adolescents who responded (675, including 194 boys and 464 girls), the question is not an issue.

The breakdown of yes answers, in the verbatim (592, out of a total of 598, including 170 boys and 428 girls is as follows:
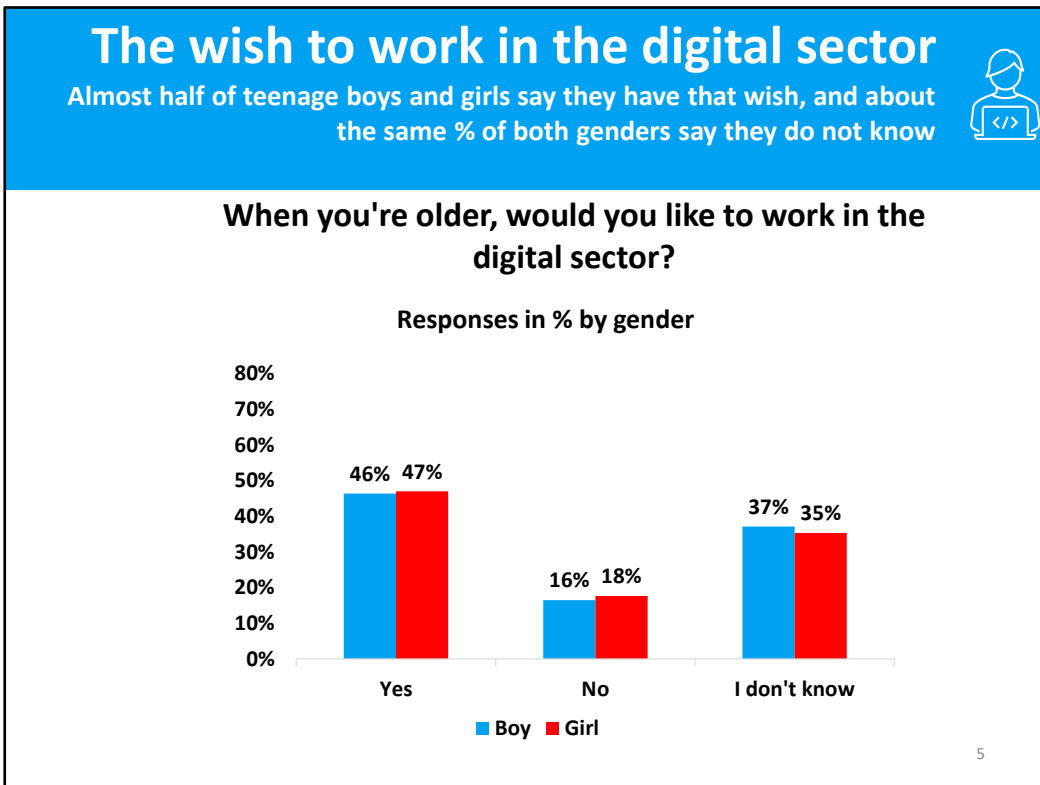Women and men are equal   Boys: 60%   Girls: 57%
Digital technology does not require the ability of men or women Boys: 26% Girls: 21%
There are no gendered jobs   Boys: 5%   Girls: 14%
We have the same skills, it is society that creates differences Boys: 0% Girls: 4%
I don't see why it shouldn't be suitable for both Boys: 2%   Girls: 2%

Is the digital sector as suitable for both men and women? – Verbatim Yes

Digital technology does not require the capacity of men or women	"Because they all can do this work when given the opportunity." Boy, Ghana, 13 years old	"We all have the capacity to perform in this area. There should be no stereotypes that impede our development as people." Girl, Mexico, 16 years old
Women and men are equal	"Men and women are equal in that regard and deserve equal opportunities." Boy, Peru, 17 years old	"Because no matter the gender we are capable of everything if we have the passion to do it." Girl, Guatemala, 17 years old
There are no gendered professions	"Genuinely, if you like the job, any job, it suits you and gives you the income you want, it should suit anyone, a woman, man or whatever you identify yourself as." Boy, Peru, 13 years old	"Because gender does not condition our interests and abilities, we can all be everything." Girl, Argentina, 17 years old
I do not see why it would not be suitable for both	"If men can do it, why can't we? Girl, Argentina, 14 years old	"There is no reason to think that women are less capable than men in technology, especially considering how essential they have been in programming." Girl, Brazil, 18 years old
We have the same capabilities, it's society that creates differences	"It doesn't matter the gender, but the love we have in what we do. However, there is still a big gender gap, that we must stop. Being a girl, I have suffered discrimination from men for studying computer science." Girl, Uruguay, 19 years old	"Both men and women should have the right to pursue what they feel capable of and to eliminate the gender prejudice against women's job performance". Girl, Chile, 17 years old

The wish to work in the digital sector

Almost half of teenage boys and girls say they have that wish, and about the same % of both genders say they do not know

When you're older, would you like to work in the digital sector?

Responses in % by gender

	Yes	No	I don't know
Boy	46%	16%	37%
Girl	47%	18%	35%

■ Boy ■ Girl

5

Only 18% of girls and 16% of boys do not want to go digital.

Very similar percentages for both genders.

Do you know the job you would like to do in the future?

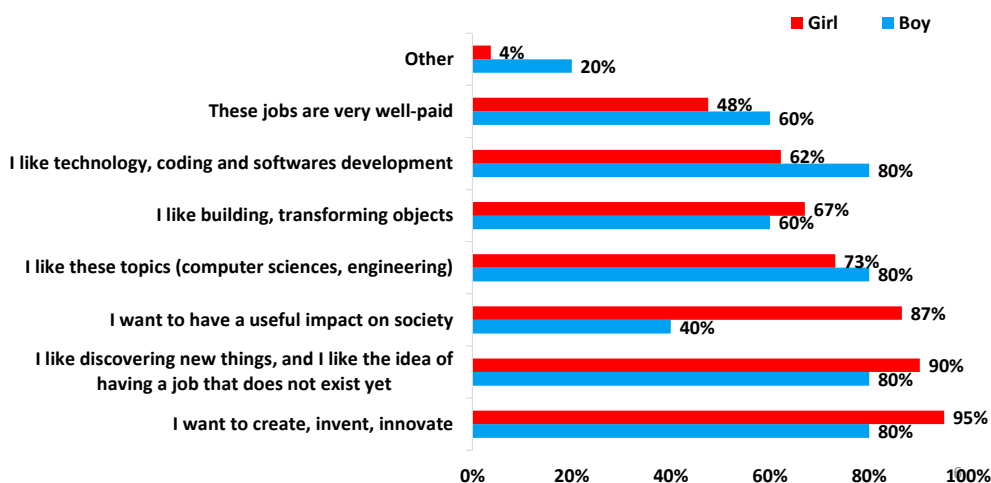|	Boys	Girls	Total
I have a vague idea	32%	38%	36%
Yes, absolutely	61%	52%	54%
No, not at all	7%	10%	9%

The motivations of teenagers interested in digital

Twice the % of girls as boys is interested in having an impact on society, higher % of girls than boys also like discovering, creating and innovating

What do you like in digital-related jobs?

Responses in % by gender

■ Girl   ■ Boy

Category	Girl	Boy
Other	4%	20%
These jobs are very well-paid	48%	60%
I like technology, coding and softwares development	62%	80%
I like building, transforming objects	67%	60%
I like these topics (computer sciences, engineering)	73%	80%
I want to have a useful impact on society	87%	40%
I like discovering new things, and I like the idea of having a job that does not exist yet	90%	80%
I want to create, invent, innovate	95%	80%

0%   20%   40%   60%   80%   100%

For the 47% of girls and the 46% of boys previously having declared to be interested in going towards digital, the motivations are slightly different.

A higher % of girls is interested in the creative and impactful aspects of the jobs, and likes to:

- create, invent, innovate (95% vs 80% of boys, **+15%)**

- to build, transform things (90% vs 80% of boys, **+10%)**

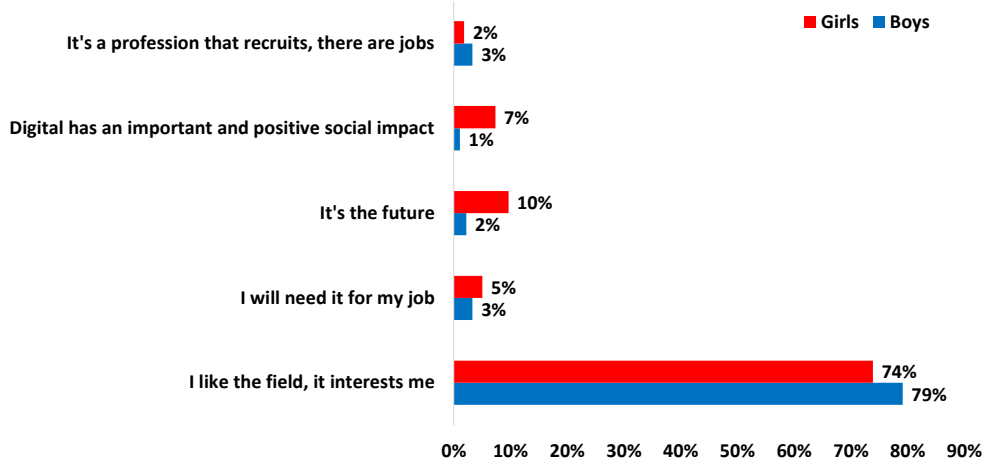- to have a useful impact on society (87% vs 40% of boys, **+47%)**

Meanwhile a higher proportion of boys than girls is interested in the technical aspects of the jobs and

- Likes technology, coding, software development (80% vs 62%, **+18%**)

- Likes computer sciences, engineering (80% vs 73%, +**7%**)

- declares to be motivated by the fact that the jobs are well-paid (60% vs 48%, **+12%)**

The motivations of teenagers interested in digital technology - Verbatim

Reasons to go for digital – responses in % by gender

Girls ■ Boys

- It's a profession that recruits, there are jobs: Girls 2%, Boys 3%
- Digital has an important and positive social impact: Girls 7%, Boys 1%
- It's the future: Girls 10%, Boys 2%
- I will need it for my job: Girls 5%, Boys 3%
- I like the field, it interests me: Girls 74%, Boys 79%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90%

7

Out of 511 who answered that they want to go digital later in the verbatim (93 boys and 218 girls), responses to the explain why were:

More boys (79%) than girls (74%) are simply interested in digital or like the field. Some elements mentioned to explain this passion/interest are:
- Technology (10% boys, 14% girls)
- Continuous learning (17% boys, 9% girls)
- Range of possibilities (3% boys, 10% girls)
- It is very present in our lives (7% boys, 6% girls)
- Digital tools (6% boys, 3% girls)

On the other hand, **for** 8% **more girls (10%) than boys (2%), digital technology represents the future.**

The motivations of teenagers interested in digital technology - Verbatim

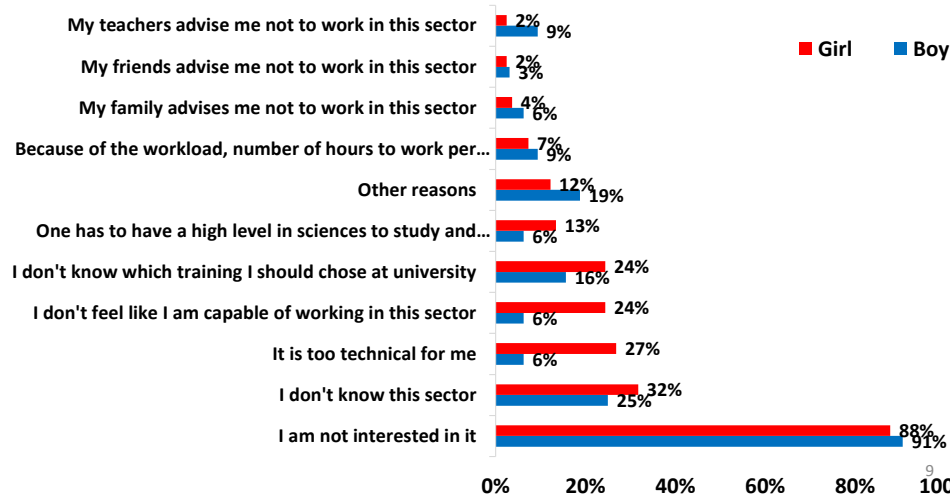|		
I like the field, it interests me	"It is a subject that allows to develop the technical knowledge and management of energy and the components of a computer." Boy, Mexico, 17 years old	"Because I find it fascinating and I'm passionate about the infinite possibilities that technology can create. " Girl, Brazil, 18 years old
I will need it for my job	"It would be good to study technology and apply it in my career." Boy, Mexico, 19 years old	"Technology will be used in most professions; I would like to study architecture digitally." Girl, Panama, 17 years old
It is the future	"Yes, because it is the future." Boy, Chile, 17 years old	"It is a tool that will be essential as a job in the future." Girl, Peru, 17 years old
Digital technology has a significant and positive social impact	"I am passionate about digital, and I would like to contribute to the digital development of my country." Boy, Mali, 20 years old	"I would like to use technology to solve different problems that my society faces." Girl, Rwanda, 18 years old
It's a field that recruits, there is work	"To be able to have more job opportunities." Boy, Peru, 16 years old	"Because I like it and more and more people are being sought in the digital area, because it is what is coming and in fact it is already being implemented." Girl, Argentina, 16 years old

8

What inhibits teenagers' interest in digital
A higher % of girls declares that it is too technical, they do not feel capable, and one must have a high level of knowledge in science

Why don't you feel like working in the digital sector in the future?
Responses in % by gender

Reason	Girl	Boy
My teachers advise me not to work in this sector	2%	9%
My friends advise me not to work in this sector	2%	3%
My family advises me not to work in this sector	4%	6%
Because of the workload, number of hours to work per…	7%	9%
Other reasons	12%	19%
One has to have a high level in sciences to study and…	13%	6%
I don't know which training I should chose at university	24%	16%
I don't feel like I am capable of working in this sector	24%	6%
It is too technical for me	27%	6%
I don't know this sector	32%	25%
I am not interested in it	88%	91%

The 16% of boys and 18% of girls previously having declared not to be interested in heading towards digital technology in their studies/career:
- lack interest in similarly high proportions;
- 7% more of girls declare **not to know the sector**;
- almost 3 out of 10 girls say it's **too technical** versus less than 1 out of 10 boys;
- 18 % more girls have **self-confidence** problems: 24% vs only 6% of boys **do not feel capable;**
- **13%** think that it **takes a very high level of science/ math** (vs 6% of boys, or half of that);
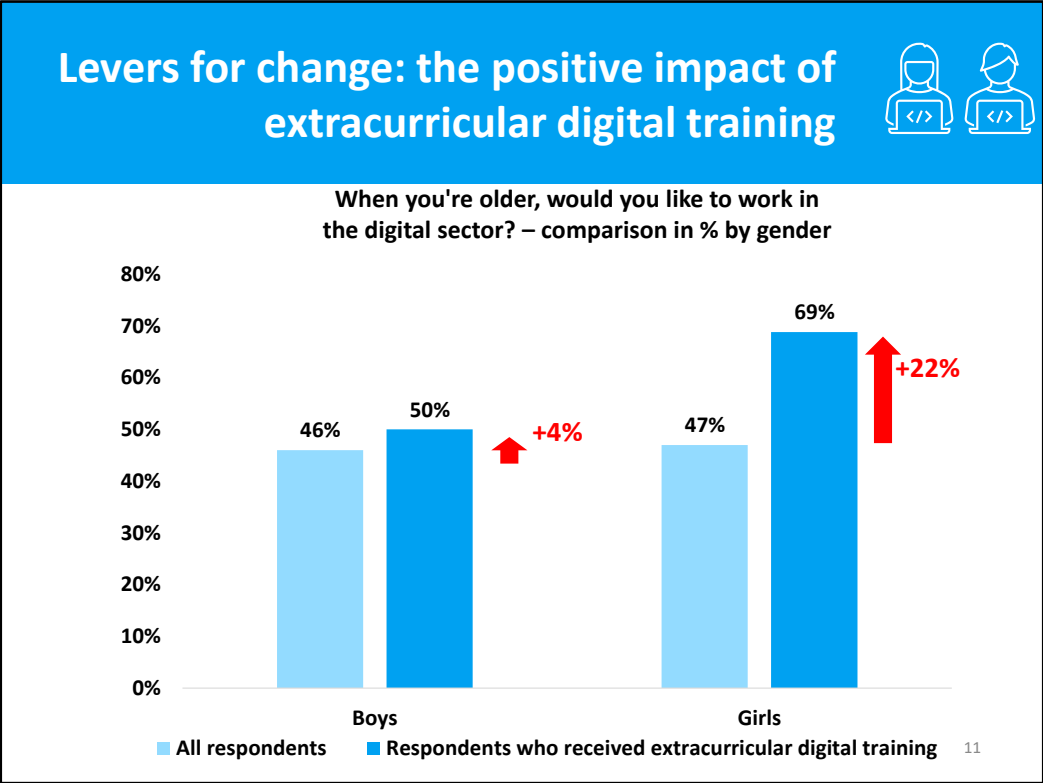
The verbatim corroborates the statistics of closed questions. New information is:
- 2% of boys, 11% of girls are not interested in digital because they **already have another project in mind**.
- 7% of boys, 4% of girls say that **digital does not suit them**, for various reasons - their eyes do not like screens, they want to work outdoors, in contact with people, in connection with nature or animals
- 2% of boys, 3% of girls are interested in digital but do not want to work in it, either for a question of principles, since they believe digital is harmful to society, or because they do not like it to this extent, or because it is a hobby for them, not a possible job.

Distribution of verbatim responses by gender (out of 212 answers of teenagers who do not wish to go into digital : 60 boys, 152 girls.
I'm not interested, I don't like digital 58% boys, 55% girls
I want to move towards another field 2% boys, 11% girls
It does not suit me 7% of boys, 4% of girls
I am interested but I don't want to make it my job 2% boys, 3% girls
I don't know enough about digital jobs 17% boys, 14% girls
It's very difficult, I'm not capable 7% boys, 6% girls

What inhibits teenagers' interest in digital - Verbatim

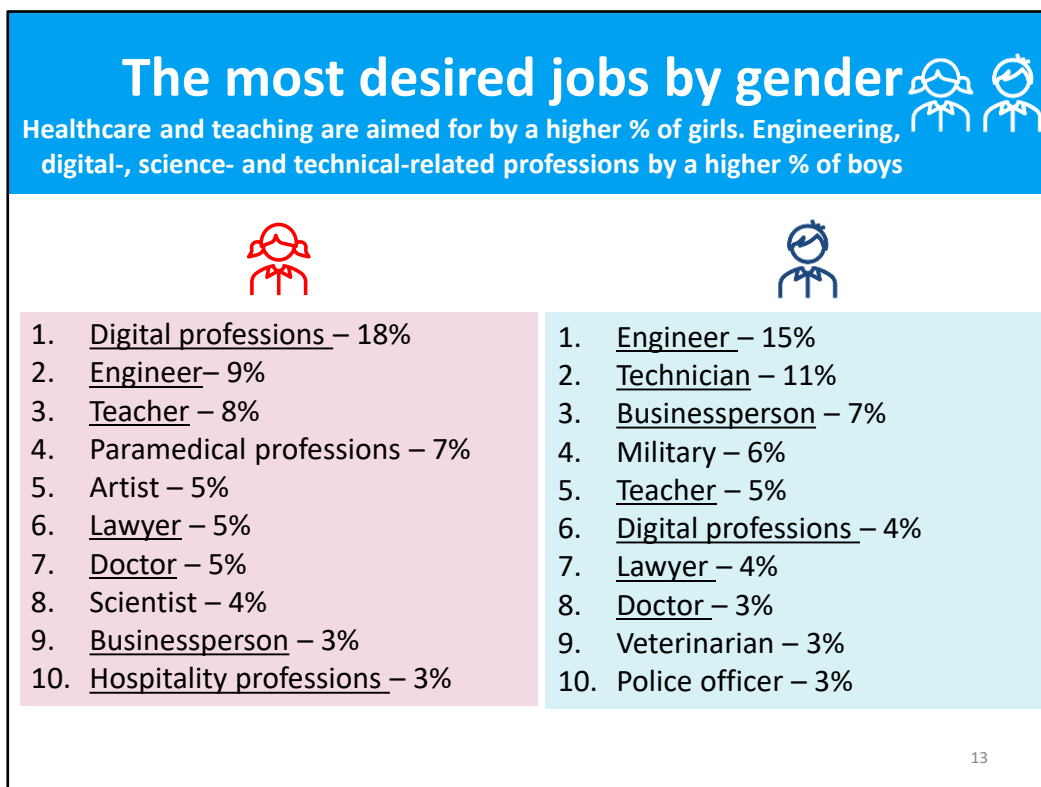|		
I'm not interested, I don't like digital technology	"It's something that doesn't catch my eye." Boy, Peru, 11 years old	"I don't like to see myself doing something involving the digital world." Girl, Mexico, 12 years old
I want to move towards another field	"I like other things; I prefer politics." Boy, Peru, 17 years old	"I prefer natural sciences, engineering, art. Also, I'm not very good in digital." Girl, Costa Rica, 16 years old
That does not suit me	"I don't like the idea of sitting in one place all day for work." Boy, Peru, 14 years old	"I would not like to be sitting in front of a computer most of the day." Girl, Panama, 18 years old
I'm interested in it but I don't want to make it my job	"I'm adept digitally, but it doesn't really interest me." Boy, Peru, 16 years old	"I like it but it is not of my interest to work with it." Girl, Mexico, 18 years old
I don't know enough about digital professions	"I don't know what that is about, I have no knowledge in the area. Knowing more about it and learning would be nice." Boy, Mexico, 16 years old	"I don't know the necessary skills, requirements and opportunities that this area offers." Girl, Argentina, 17 years old
It's very difficult, I'm not capable	"I don't have the necessary knowledge; it seems complicated for me." Boy, Mexico, 17 years old	"I don't know much about technology, just the basics on how to use it. It is a bit difficult to understand" Girl, Mexico, 17 years old

Levers for change: the positive impact of extracurricular digital training

When you're older, would you like to work in the digital sector? – comparison in % by gender

Out of 151 who followed an extracurricular digital training (42 boys and 109 girls).

Knowledge of digital professions

Identical % of boys than girls knows about digital sector's jobs

Do you know digital sector's jobs?

Responses in % by gender
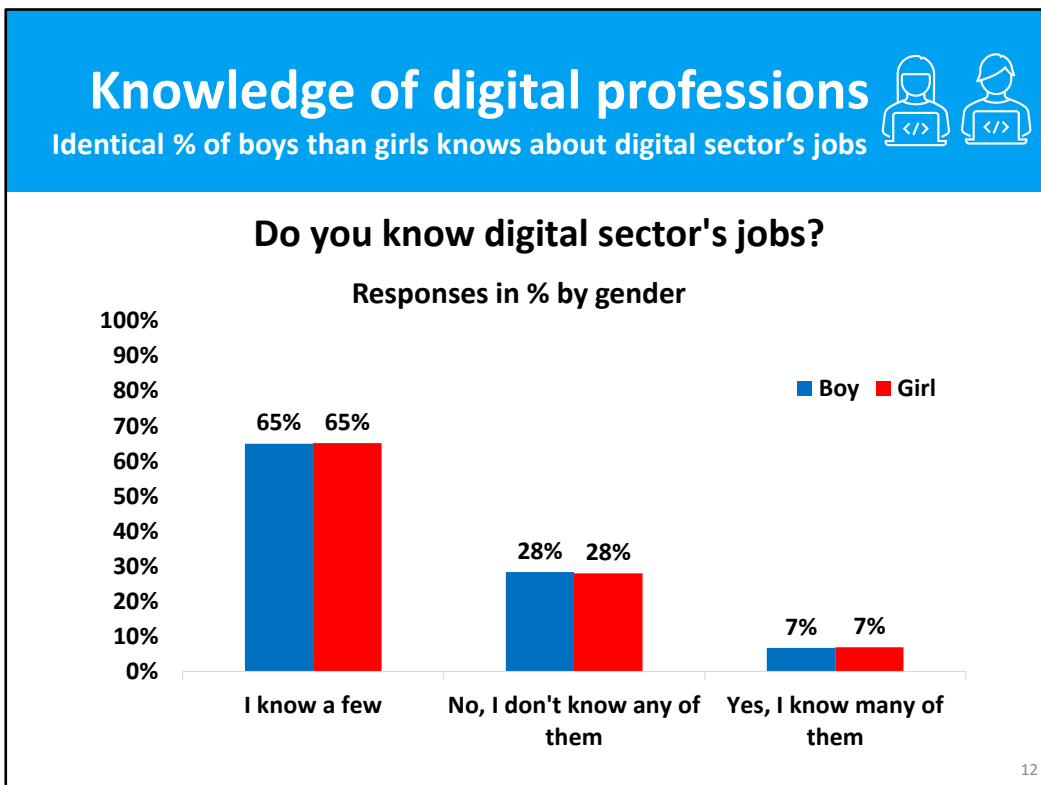
The majority (65%) of teenagers know a few digital professions.
A significant proportion (±28%) knows none.
Only 7% of boys and girls knows many of them.

The most desired jobs by gender

Healthcare and teaching are aimed for by a higher % of girls. Engineering, digital-, science- and technical-related professions by a higher % of boys

Girls	Boys
1. Digital professions – 18%	1. Engineer – 15%
2. Engineer– 9%	2. Technician – 11%
3. Teacher – 8%	3. Businessperson – 7%
4. Paramedical professions – 7%	4. Military – 6%
5. Artist – 5%	5. Teacher – 5%
6. Lawyer – 5%	6. Digital professions – 4%
7. Doctor – 5%	7. Lawyer – 4%
8. Scientist – 4%	8. Doctor – 3%
9. Businessperson – 3%	9. Veterinarian – 3%
10. Hospitality professions – 3%	10. Police officer – 3%

13

Ranking made from the verbatim of 359 adolescent respondents, including 240 girls and 129 boys. The occupations highlighted are the common occupations between girls and boys in the top 10.

Perception of the digital professions

Higher % of girls interested in web design, project management and data analysis

Do you consider the following jobs interesting?

Respondent Yes and Yes, absolutely by gender

	Girl	Boy
Traffic manager	12%	22%
Nanotechnology health expert	20%	27%
Front end developer	21%	24%
Telesurgeon	23%	21%
Cloud computing engineer	30%	40%
Database administrator	31%	32%
Internet police officer	31%	32%
Data analyst	28%	34%
Sepcialist in robotics	41%	47%
Project manager	44%	38%
Game designer	48%	59%
Web designer	53%	45%

The top 5 digital professions:
- Web designer
- Game designer
- Project Manager
- Robotics expert
-    Internet Police officer

Slightly **higher % of interest from girls than boys** regarding :
- Web designer (53% vs 45%, **+8%**)
- Project Manager (44% vs 38%, **+6%**)
- Data analyst (34% vs 28%, **+6%**)
- Tele surgeon (23% vs 21%, **+2%**)

Even if significant gap in game design, nearly 50% of girls, and 60% of boys, find the job of game designer interesting
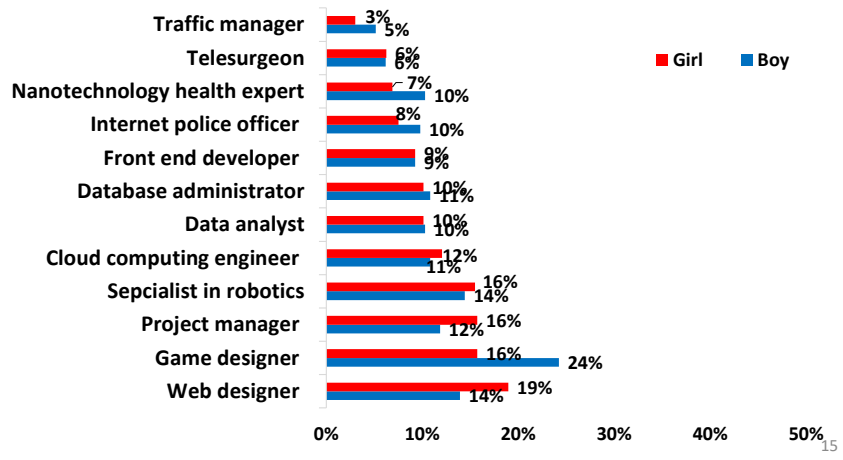
Perception of the digital professions
Higher % of girls very interested in web design, project management, robotics and cloud computing engineering

Do you consider the following jobs interesting?

Respondent Yes, absolutely in % by gender

🟥 Girl 🟦 Boy

Job	Girl	Boy
Traffic manager	3%	5%
Telesurgeon	6%	6%
Nanotechnology health expert	7%	10%
Internet police officer	8%	10%
Front end developer	9%	9%
Database administrator	10%	11%
Data analyst	10%	10%
Cloud computing engineer	12%	11%
Sepcialist in robotics	16%	14%
Project manager	16%	12%
Game designer	16%	24%
Web designer	19%	14%

Perception of digital professions

A slightly higher % of girls see the creativity impact in society, employment, pay and teamwork dimension

Select the sentences that in your view best describe digital jobs

Responses in % by gender

|	Girl	Boy
These jobs are stressful, we have no time for family life	15%	21%
These jobs are technical, with fewer possibilities to evolve professionally	24%	30%
These jobs are well remunerated	31%	26%
These jobs have an international dimension, they enable to travel a lot	40%	37%
Team work is important	47%	38%
The digital sector is growing, its much easier to find an interesting job	50%	46%
These jobs have a strong impact on society (environment, health, culture)	65%	54%
These jobs are great because they require creativity, imagination, innovation	68%	57%

A higher % of girls than of boys have positive perceptions of digital professions, as:

- innovative occupations, (68% vs 57%,**+11%** for girls)
- with an important impact on society, (65% vs 54%,**+11%** for girls)
- a job sector that is on the rise, where it is easy to find an interesting job (50% vs 46%,**+4%** for girls)
- a profession where teamwork is important (47% vs 38%,+9% for girls)
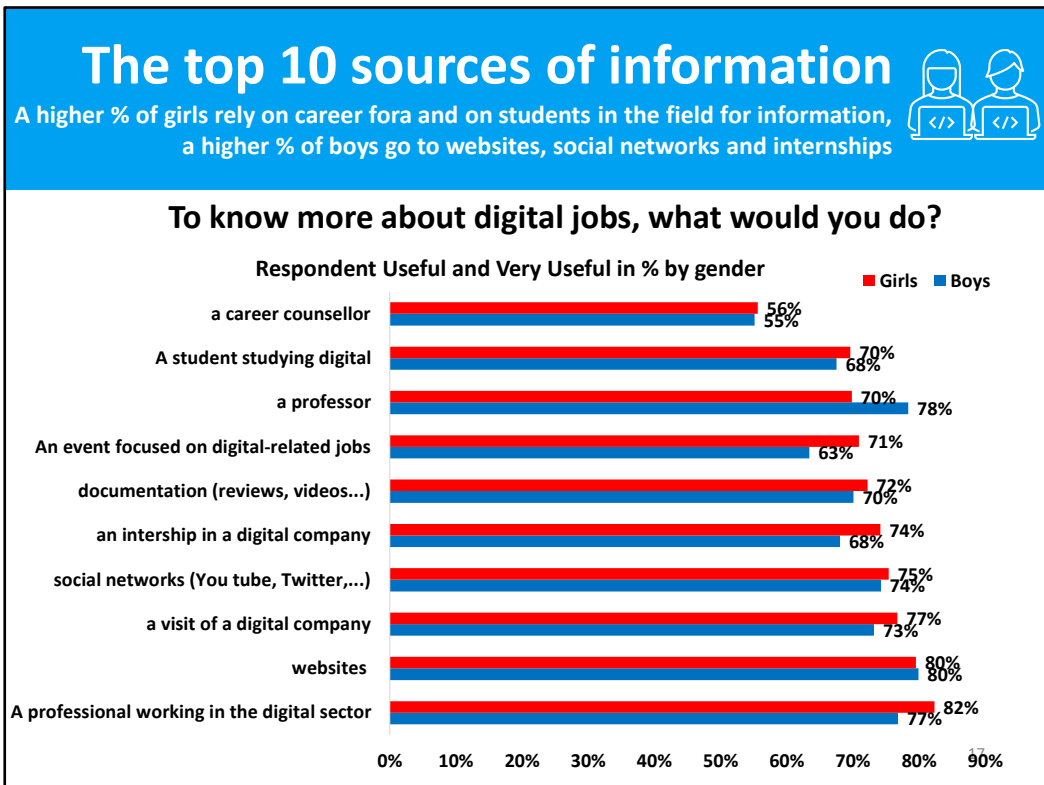
Overall similarities of the sources mentioned by girls and boys.
The main sources of intelligence for both genders would be a professional in the digital field, and websites.