# in e

# Survey on Equipment and Use of Information and Communication Technologies (ICT) in Households (ICT\_H) 2022.

## **Questionnaire**

#### Constitution, characteristics and purpose

The Survey on Equipment and Use of Information and Communication Technologies in Homes (ICT\_H 2022) is a statistical investigation carried out by the National Institute of Statistic (INE), following the recommendation of the Statistic Office of the European Union (EUROSTAT).

This research is aimed at households in order to obtain comparative data on the availability of equipment to communicate and obtain or send information, as well as on the use that household members make of said technologies.

#### Legislation

#### Statistic secret

Personal data obtained by statistical services, both directly from informants and through administrative sources, will be protected and will be protected by statistical secrecy (art. 13.1 of the Law of Public Statistical Function of May 9, 1989, (LFEP)). All statistical personnel will have the obligation to preserve statistical secrecy (art. 17.1 of LFEP).

#### Obligation to provide data

Laws 4/1990 and 13/1996 establish an obligation to provide the data requested for the preparation of this Statistics.

Statistical services may request data from all natural and legal persons, national and foreign persons, residents in Spain (art. 10.1 of LFEP).

All natural and legal persons that provide data must answer truthfully, accurately, completely and within the deadlines to the questions ordered in due form by the statistical services (art. 10.2 of LFEP).

To ensure compliance with these regulations, the LFEP (art. 48) grants the INE sanctioning capacity.

#### I.- HOUSEHOLD COMPOSITION

**App:** In dwellings of first interview or dwellings of successive interviews in which there is NO information on any member of the household, H1a will be formulated.

For dwellings in successive interviews in which there is information on people in a previous interview, H1b will be formulated.

H1a. Tell me the name and surname of all the people who currently live in this house. Be sure to include children or temporarily absent people.

## H1b. Are the people who live in this house ...?

Interviewer,	read	only	the!	names
<b>.</b>	, cuu	VIII y		Hallics

App: During questions H1, H2 and H3:

- The data of each person will be recorded in three text boxes, one for the name and the other for the two surnames.
- The app presents activated the buttons:

# H2. Please tell me if there is any other person who currently has NO PRIMARY RESIDENCE and who is now in this household, even temporarily.

Interviewer: If there is any person, it should be added below.

#### H3. Indicate informant person.

**Interviewer:** Select the informant of the household questionnaire from the following table. If the informant isn't a member of the household, select the option "other person".

**App:** In this question and the following, all the people included in the previous question (the table of household members formed up to this moment) will be present. In this H3 question, a new answer option "Another person" is included.

Only one answer will be admitted.

			<u>Informant</u>
Name1	Surname1	Surname2	
Name2	Surname1	Surname2	
Name3	Surname1	Surname2	
Name4	Surname1	Surname2	
Another person			

<sup>&</sup>quot;Add person"using text boxes.

<sup>&</sup>quot;Delete person" with a cross.

<sup>&</sup>quot;Continue"to confirm all the people and go to the next screen.

App: The person initially indicated as the informant of the household questionnaire (Section I), should not
be modified. If the indicated person is changed, then the application will present again from question H4,
forcing the rest of the questions in the Section to be completed again.

H4. Does a	any of the pe	rsons mentione	ed work as a de	omestic work	er in another h	ousehold?
	e marked with \ e following que	•	on are NOT surve	eyable member	s and therefore no	longer
				YES	NO	
	Name	Surname1	Surname2	<u> </u>	<u> </u>	
	Name	Surname1	Surname2	 1	 6	
	Name	Surname1	Surname2	1	<u> </u>	
	Name	Surname1	Surname2	1	□ 6	
-	-	ople have anoth orarily here for		-	nsider their hab avel?	itual
				YES	NO	
	Name	Surname1	Surname2	<u> </u>	□ 6	
	Name	Surname1	Surname2	<u> </u>	□ 6	
	Name	Surname1	Surname2	<u> </u>	□ 6	
	Name	Surname1	Surname2	1	□ 6	
	e marked with \ e following que		on are NOT surve	eyable member	s and therefore no	longer
H6. Sex						
Interviewer	: Only ask whe	n in doubt.				
				MAN	WOMAN	
	Name	Surname1	Surname2	<u> </u>	<u> </u>	
	Name	Surname1	Surname2	1	<u> </u>	
	Name	Surname1	Surname2	1	<u> </u>	
	Name	Surname1	Surname2	 1	<u> </u>	

## H7. Please, tell me each person's date of birth.

Interviewer: try to collect the year of birth and if the birthday has already passed for each household member. If this is not possible, the respondent does not remember the above information, fill in the age.

			YEAR		t year, has you eady passed?	
				YES	<u>NO</u>	
Name	Surname1	Surname2		1	□ 6	
Name	Surname1	Surname2		1	☐ 6	
Name	Surname1	Surname2		1	□ 6	
Name	Surname1	Surname2		1	□ 6	
	day, and age)					in (year of birth and nd you will not be
	e, tell me for the activity l	_	people in yo	our household	d, what the s	ituation was in
Interviewer: the main one		le aged 16 and (	over. In case th	nat he/she indic	ates more of o	ne activity, consider
			Working	<u>Unployed</u>	<u>Student</u>	Another situation
Name	Surname1	Surname2	1	2	☐ 3	4
Name	Surname1	Surname2	1	2	☐ 3	4
Name	Surname1	Surname2	1	2	☐ 3	4
Name	Surname1	Surname2	1	2	<u> </u>	4
H9. Indica	te Reference	e Person				

## **H9. Indicate Reference Person**

App: For successive interviews, this question will appear pre-filled with the mark in the person who had it in the questionnaire from the previous year (Reference person) if this person is a surveyable member this

For any interview, if the number of surveyable members is 1, that member will also appear pre-marked.

Note to the interviewer: Do not ask this question except in the case where it is necessary (for example, due to a change in human group), limiting yourself, in most cases, to marking the one previously indicated.

Household reference person: We understand by such, the one to whom the letter will be addressed in the next edition of the survey. You can choose that person aged 18 or over who resides in the household and whose name is on the property title or the lease or sublease of the household.

				<u>Informant</u>
	Name	Surname1	Surname2	
	Name	Surname1	Surname2	
	Name	Surname1	Surname2	
	Name	Surname1	Surname2	
treated ac	cording to the nun vered in questions	nber of members H4 and H5).	of the existing househol	porated below. The situation will be d (that is, those for whom NO has
cheked op	tion 1) If the nun	nber of household	d members is 2, options :	be asked – automatically being 2), 3) and 5) will be presented and 5). Formally, we will have:
- If	$TOT\_MH = 1 \Rightarrow T$	$IP_H = 1 -> go to$	select the person to be	surveyed.
- If	$TOT\_MH = 2 => Op$	otions 2, 3 and 5	will be asked (disable 1	and 4).
- If	TOT_MH > 3=> 0	otions 2, 4 and 5	will be asked (deactivate	e 1 and 3).
			of household, could position of your hou	I you tell me which of the sehold?
	One- per	son household		<u> </u>
	Single fa	ther or mother in	ving with a child	2
	Couple w	rithout children li	ving in the household	<u> </u>
	Couple w	rith children livin	g in the household	<u> </u>

Other type of household

#### SELECTING THE PERSON TO SURVEY

**App:** Once H10 is marked, the Household Questionnaire is completed and section I ends. At that moment, the application proceeds to sort the surveyable persons by age and selects one of them (the person to be surveyed) according to the Kish Table programmed showing its identity on the screen.

Interviewer, read to the informat 'The person randomly select to answer the individual questionnaire is":

- 1. Name
- 2. Person number
- 3. Household identify
- 4. Total surveyable people
- 5. Questionable number

## As may be:

- A) If the selected person matches the one you are interviewing, continue.
- B) If that select person is not the person you are interviewing, please inform them. Ask him/her who of the two knows better the equipment and the Internet in the household sections, and the use by children of the computer and the Internet. If he/she is the informant, fill in those sections with he/ she. If it is the selected person and he/she is not present, ask for the right time to ask the questions, and before ending the interview, do not forget to ask for a contact telephone number.

# II.- EQUIPMENT OF THE MAIN RESIDENCE IN INFORMATION AND COMMUNICATION TECHNOLOGY PRODUCTS

Interviewer, read to the informant: "Next, I am going to ask you if the household has access to some information and communication technology products such as computer, Internet and so on. Keep in mind that we are only referring to the main residence and that it must include appliances under repair and purchased or ordered, even if they are not installed yet. They are also included if they are rented or made available to the household in any other way. Keep in mind that the household is considered to have some of these products, provided that they are available to some of its members even though they are not available to all of them."

<ol> <li>Do y</li> </ol>	ou or anyone	in your	household have	any of the	following	devices at ho	emc
--------------------------	--------------	---------	----------------	------------	-----------	---------------	-----

	<u>YES</u>	<u>NO</u>	<u>DK/NA</u>
a) Desktop computer or laptot? Do not included Tablet	1	□ 6	<u> </u>
b) Tablet?	1	☐ 6	<u> </u>
c) Landline?	1	☐ 6	<u> </u>
d) Mobile phone?	1	☐ 6	<u> </u>

## **III.- INTERNET ACCESS AT HOME**

range, go to section V.

Interviewer, read to the informant: "This module is aimed at households, and deals with Internet access of all household members, regardless of the type of device used (computers, tablet, mobile phones or other devices to internet-connected."

If any household member has access to the Internet from home, through any type of device (computer, tablet, mobile phone, game console, Smart TV... the household is considered to have access to the Internet."

•	ce? (Incl	your household have access to the udes any mobile phone in the home w			•
YES	<u> </u>	$\Rightarrow$ go to question 3			
NO	<u> </u>	⇒if there are children from 10 to 15 years	old, go to sec	tion IV; if NO, to	o section V
DK/NA	<u> </u>	$\Rightarrow$ if there are children from 10 to 15 years	old, go to sec	tion IV; if NO, to	o section V
3. What types	of intern	et connection are used at home?			
			YES	<u>NO</u>	<u>DK/NA</u>
a) Fixed broadbar fiber, satellite, \		tions, e.g. DSL, ADSL, VDSL, cable optical	<u> </u>	□ 6	<u> </u>
•	MTS, using	ctions (via the mobile phone network, at (SIM) card or USB key, mobile phone or	<u> </u>	<u> </u>	9
App: If there are	children t	rom 10 to 15 years old, go to section IV; i	f there are no	children in tl	hat age

## IV.- COMPUTER AND INTERNET USE BY CHILDREN (10 TO 15 YEARS)

Interviewer, read to the informant: "Next, I'm going to ask you some questions directed at minors in the household between 10 and 15 years old." App: In this section of questions (4-7), all household members from 10 to 15 years old inclusive will be presented. The four questions related to the first child will be asked, then to the second child and so on. 4. Introduction: The followings question will be refer to... (Name + Surname1 + Surname2 of the minor no [\_]) 5. Has (name of minor) used the computer/tablet for the last 3 months? YES □ 1 NO ิ 7 6 DK/NA 6. Has (name of minor) used the Internet from anywhere in the last 3 months? YES ີ 1 NO DK/NA ٦9 7. Does (name of minor) have mobile phone?

App: If there is another minor, go to question 4. Introduction (next minor). If not, skip to section V.

YES NO DK/NA

□ 9

## V.- USE OF MOBILE PHONE AND INTERNET BY THE SELECTED PERSON

Interviewer, read to the interviewee: "Please, the following questions of the questionnaire are directed to the selected person (Name+Surname1+Surname2+Age), to his/her use of the Internet and his/her different activities, only this person can answer the rest of the questions of the questionnaire."

8. Do you use a mobile phone?		
YES 1		
NO G		
Interviewer, read to the interviewee: "Next, I am going a internet. Keep in mind that we refer to the Internet access computer, laptop or handheld devices, including mob questions about what is "using or access to the internet with access to the Internet communication network to and buy or order products, scrolling through web page	s from anywhere bile phone of an at," read the follo b search, consi	e and with any device (personal ny kind)." (If the interviewee ha owing: "it's the use of devices
9. When was the last time you used the Internet?	,	
a) Within the last 3 months	1	
b) Between 3 months and a year ago	2	⇒go to section VI
c) More than one year ago	3	$\Rightarrow$ go to section $X$
d) Never used it	4	$\Rightarrow$ go to section $X$
10. On average, how often have you used the Inte	ernet in the la	sst 3 months?
a) Every day or almost every day	□ 1	
b) At least once a week (but not every day)	2	⇒go to question 12
c) Less than once a week	□ 3	⇒go to question 12
11. And do you use the Internet several times a d	lay?	
NO 6		
12. In general, please indicate your level of confi	dence in the l	Internet:
a) Little or nothing 1		
b) Quite a lot 2		
c) Very much		

"Please tell me if in the last 3 months you have used the internet via any device (including apps) to perform any of the following activities for private reasons":

# 13. Activities related to communication:

	<u>YES</u>	<u>NO</u>
a) Sending / receiving e-mails	1	<u> </u>
b) Making calls (including video calls) over the internet, for example, via Skype, Messenger, WhatsApp, Facetime, Viber, Snapchat	<u> </u>	□ 6
c) Participating in social networks (creating user profile, posting messages or other contributions to Facebook, Twitter, Instagram, Tik Tok)	1	□ 6
d) Using instant messaging, e.g. exchanging messages, for example, via Skype, Messenger, WhatsApp	1	<u> </u>
14. Activities related to access to information (in the last 3 month reasons):	ns and for	particular
	<u>YES</u>	<u>NO</u>
a) Finding information about goods or services	<u> </u>	□ 6
b) Reading online news sites / newspapers / news magazines	<u> </u>	□ 6
15. Political and social participation activities (within the last 3 m reasons):	onths and	l for particular
	<u>YES</u>	<u>NO</u>
a) Expressing opinions on civic or political issues on websites or in social media (e. g. Facebook, Twitter, Instagram, YouTube)	<u> </u>	□ 6
b) Taking part in online consultations or voting to define civic or political issues (e.g. urban planning, signing a petition	1	□ 6

**Interviewer, read to the interviewee:** "Remember that we asked if you have used the Internet for the following activities in the last 3 months and for particular reasons."

	<u>YES</u>	<u>NO</u>
a) Listening to music or downloading music (e.g. from Internet radio or streaming, YouTube, Spotify)	<u> </u>	□ 6
b) Watch programmes broadcast over the Internet (live or recorded) from TV channels (e.g. RTVPlay, ATRESplayer, Movistar +, Mitele).	<u> </u>	□ 6
c) Watch movies or videos on demand from commercial companies (such as Movistar+, Netflix, Vodafone One, HBO, Amazon Prime).	<u> </u>	□ 6
d) Watching video content from sharing sites (e.g. YouTube, Twitch, Flooxer, Mtmad)	<u> </u>	□ 6
e) Playing or downloading games	<u> </u>	□ 6
17. Health-related activities (within the last 3 months and for parts)	ticular reas	sons):
	YES	<u>NO</u>
a) Seeking information on health issues (e.g., injuries, nutrition, illness)	<u>YES</u>	<b>NO</b> ☐ 6
<ul><li>a) Seeking information on health issues (e.g., injuries, nutrition, illness)</li><li>b) Make an appointment with a doctor via website or mobile app (e.g. health centre, hospital)</li></ul>	_	
b) Make an appointment with a doctor via website or mobile app (e.g.	1	 6

16. Entertainment-related activities (within the last 3 months and for particular reasons):

	<u>YES</u>	<u>NO</u>	
<ul> <li>a) Selling goods or services (transaction or deal done online (e.g. via Amazon, Vinted, FNAC, eBay auctions, Facebook)</li> </ul>	1	□ 6	
b) Internet banking (including mobile banking)	1	□ 6	
10. And if an for adventional professional or private purposes h	ana yau u	ndortokon onv	
19. And if so, for educational, professional or private purposes, hof the following e-learning activities in the last 3 months?	iave you u	ndertaken any	
	<u>YES</u>	<u>NO</u>	
a) Take an online course (or part of an online course)	<u> </u>	☐ 6	
b) Use online learning material that is not a full online course (e.g. audio-visual material, e-texts, learning platforms).	1	<u> </u>	
c) Communicate with teachers or students using online audio or video tools (e.g. Zoom, Microsoft Teams, Google Meet).	1	<u> </u>	
<b>App:</b> If in question 19 you answer '1' (YES) in any item, go to question 20. If (NO) in all items, skip to Block VI.	in question	19 you answer '6'	
20. What was the purpose of the learning activities in which you participated in the last 3 months?			
	YES	<u>NO</u>	
a) For formal education purposes (within the education system or formal education, e.g. school, university)	<u> </u>	<u> </u>	
b) For professional or work-related purposes	<u> </u>	<u> </u>	
c) For private purposes	<u> </u>	<u> </u>	

18. Other online activities (within the last 3 months and for private reasons):

## **VI. - USE OF E-GOVERNMENT**

Interviewer, read to the interviewee: "Continuing on the topic of the Internet, the following questions refer to your possible relationship with public administrations and public services through the Internet, among which also public education and health services should be considered."

Contact and interaction with public administrations and services refer to citizens' obligations (e.g. tax declaration, registration), entitlements (e.g. social benefits), official documents (e.g. ID card, birth certificate), public educational services (e.g. libraries, school or university enrolment), public health services (e.g. medical appointments, public hospital services).

21. Have you performed any of the following activities via a website or app of pub	lic
authorities or public services for private purpose in the last 12 months?	

	<u>YES</u>	<u>NO</u>
a) Accessed information stored about you by public authorities or public services (e.g. pension, health, working life, fines).	<u> </u>	<u> </u>
b) Accessed information from public databases or registers (e.g. information about availability of books in public libraries, cadastral registers, enterprise registers)	1	□ 6
c) Obtained information (e.g. about services, benefits, entitlements, laws, taxes)	1	<u> </u>
22. Have you downloaded/printed any official forms from a web authorities or public services for private purpose in the last 12 vaccination certificate Covid-19)	• •	•
YES 1		
NO G		
23. Have you made any appointment or reservation via a websi authorities or public services (e.g. reservation of a book in a pradmission to selective examinations, appointment with a gove healthcare provider) for private purpose in the last 12 months?	ublic library, rnment serva	application for
YES 1		
NO		

	YES	<u>NO</u>
a) Yes, I submitted it myself	1	<u> </u>
b) No, I submitted it through the administration (by phone or in person).	1	<u> </u>
c) No, someone else submitted it on my behalf (e.g. family member, tax adviser	1	<u> </u>
d) No, for other reasons (e.g. I am not subject to income tax).	1	<u> </u>
25. Have you performed any of the following activities via a webs authorities or public services for private purpose in the last 12 m		of public
	<u>YES</u>	<u>NO</u>
Requested official documents or certificates (e.g. graduation, birth, marriage, divorce, death, residence certificates, police or criminal records)	<u> </u>	□ 6
b) Requested benefits or entitlements (e.g. pension, unemployment, child allowance, enrolment in schools, universities)	1	□ 6
c) Made other requests, claims or complaints (e.g. report theft to the police, launch a legal complaint, request legal aid, initiate a civil claim procedure in front of a court)	<u> </u>	<u> </u>
<b>App:</b> If in question 25 you answer '1' (YES) in any item, go to question 28. If (NO) in all items go to question 26.	in question	25 you answer '6'
26. But, did you need to apply for any official documents or make mentioned in the previous question, in the last 12 months?  YES	e any of th	e claims

App: If the answer to question 26 is 'YES' (1), go to question 27. Otherwise go to question 28.

24. Have you submitted your tax declaration via a website or app for private purpose in the

last 12 months?

	<u>YES</u>	<u>NO</u>
a) Lack of skills or knowledge (e.g. did not know how to use the website/app or it was too complicated to use)	<u> </u>	□ 6
b) Concerns about the security of personal data or unwillingness to pay online (credit card fraud)	1	□ 6
c) Another person did it on my behalf (e.g. consultant, adviser, relative)	1	<u> </u>
d) Other reason	<u> </u>	□ 6
<b>App:</b> If in any of the items in question 21 you have answered '1' (YES) or in answered '1' (YES) or in question 24 you have selected item a) (Yes, I did it items in question 25 you have answered '1' (YES), go to question 28. Otherw	myself) or, f	inally, in any of the
28. Have you encountered any of the following issues when usin public authorities or public services in the last 12 months?	g a websit	e or app of
	<u>YES</u>	<u>NO</u>
a) Website or app was difficult to use (e.g. it was not user-friendly, the wording was not clear, procedure was not well explained)	<u>YES</u>	<b>NO</b> □ 6
	_	_
wording was not clear, procedure was not well explained) b) Technical problems experienced when using website or app (e.g.	1	<u> </u>
wording was not clear, procedure was not well explained)  b) Technical problems experienced when using website or app (e.g. long loading, website crashed)  c) Problems in using the electronic signature or electronic	1 1	6 6

27. What were the reasons for not requesting any official documents or not making any claims via a website or app of public authorities or public services in the last 12 months?

#### VII.- USE OF E-COMMERCE

Interviewer, read to the interviewee: "Next, I am going to ask you questions about purchases of goods or services made by you over the Internet (website or app) made for private reasons. This includes the purchase of used or new goods as well as services from private persons taking into account that the contact and purchase agreement, both from businesses and private persons (e.g. Airbnb, Facebook Marketplace, HomeAway.....), must be made through an intermediary website or app. Payment does not have to be made online (this includes any payment system in use)."

"Excluded are purchases made for business purposes, purchases made free of charge, orders placed via email, WhatsApp, phone calls or closed in person."

29. When did you last buy or order, via a website or Internet application, any goods or services from companies or private persons for private use?		
a) Within the last 3 months	1	
b) Between 3 months and a year ago	2	
c) More than 1 year ago	<u>3</u>	
d) I have never bought or ordered online	4	

**App:** If in question 29 you answered option '1' go to question 30. If, on the other hand, in question 29 you answered option '2' or '3' or '4' and in question 9 you answered option '1' (did you use the Internet in the last 3 months) go to question 40. Otherwise go to Block X.

30. Did you buy any of the following goods, in physical form, via a website or app for private use in the last 3 months? Include online purchases from enterprises or private persons, including used goods.

	<u>YES</u>	<u>NO</u>
a) Oothes (including sport clothing), shoes or accessories (e.g. bags, jewellery)	1	☐ 6
b) Sports goods (excluding sport clothing)	1	□ 6
c) Children toys or childcare items (e.g. nappies, bottles, baby strollers)	<u> </u>	☐ 6
d) Furniture, home accessories (e.g. carpets or curtains) or gardening products (e.g. tools, plants)	1	□ 6
e) Music as CDs, vinyls, etc	1	□ 6
f) Films or series as DVDs, Blu-ray etc	<u> </u>	<u> </u>
g) Printed books, magazines or newspapers	<u> </u>	<u> </u>
h) Computers, tablets, mobile phones or accessories	<u> </u>	<u> </u>
<ul> <li>i) Consumer electronics (e.g. TV-sets, stereos, cameras) or household appliances (e.g. washing machines)</li> </ul>	<u> </u>	<u> </u>
j) Medicine or dietary supplements such as vitamins (online renewal of prescriptions is not included)	1	<u> </u>
k) Deliveries from restaurants, fast-food chains, catering services	<u> </u>	<u> </u>
I) Food or beverages from stores or from meal-kits providers	<u> </u>	□ 6
m) Cosmetics, beauty or wellness products	<u> </u>	<u> </u>
n) Geaning products or personal hygiene products (e.g. toothbrushes, handkerchiefs, washing detergents, cleaning cloths)	<u> </u>	<u> </u>
o) Bicycles, mopeds, cars, or other vehicles or their spare parts	1	☐ 6
p) Other physical goods	1	☐ 6
Annulf in acception 20 year analyze little any items are to acception 2d. If in acception	action 20 var	
<b>App:</b> If in question 30 you answer '1' in any item, go to question 31. If in quall items, go to question 33.	estion 30 you	answer 6 (NO) in
31. Did you buy any of the mentioned goods from private perso (e.g. eBay, Vinted, Facebook Marketplace, Wallapop)?	ns via a we	bsite or app
YES 1		
NO 6		

32. From whom did you buy the mentioned goods via a website or app in the last 3 months? Include online purchases from enterprises or private persons.			
	YES	<u>NO</u>	
a) National sellers (includes national web addresses of multinational companies (e.g. Amazon Spain)	<u> </u>	□ 6	
b) Sellers from other EU countries	<u> </u>	<u> </u>	
c) Sellers from the rest of the world	1	□ 6	
d) Country of origin of sellers is not known	1	<u> </u>	
33. Did you buy or subscribe to any of the following via a websit the last 3 months? Free apps are excluded.	te or app fo	r private use	in
	<u>YES</u>	<u>NO</u>	
a) Music as a streaming service or downloads	1	□ 6	
b) Films or series as a streaming service or downloads	1	□ 6	
c) E-books, online magazines or newspapers (digital format)	1	<u> </u>	
<ul> <li>d) Games online or as downloads for smartphones, tablets, computers or consoles</li> </ul>	1	□ 6	
<ul> <li>e) Software downloads, including downloads of updates for smartphones, tablets, electronic equipment, etc.</li> </ul>	1	☐ 6	
f) Apps related to health or fitness (excluding free apps)	<u> </u>	☐ 6	
g) Other apps (e.g. related to learning languages, travelling, weather) (excluding free apps)	1	□ 6	
34. Did you buy any of the following via a website or app for private use in the last 3 months?			
	<u>YES</u>	<u>NO</u>	
a) Tickets to sports events	1	<u> </u>	
b) Tickets to cultural or other events (cinema, concerts, fairs, etc)	1	<u> </u>	
c) Subscriptions to the internet or mobile phone connections	1	<u> </u>	
d) Subscriptions to electricity, water, gas, etc.	<u> </u>	□ 6	

repair work, gardening) in the last 3 months.		
	<u>YES</u>	<u>NO</u>
a) A service company	1	□ 6
b) A private person (e.g. Facebook Marketplace, Wallapop)	1	□ 6
36. Did you buy any transport service via a website or app for prononths?	rivate use i	n the last 3
	YES	<u>NO</u>
<ul> <li>a) A transport enterprise e.g. local bus, train, flight ticket, taxi ride (e.g. Cabify, Uber, Free Now)</li> </ul>	1	☐ 6
b) A private person (e.g. Blablacar, Amovens)	1	☐ 6
37. Did you rent accommodation via website or app for private ι	ıse in the la	ast 3 months?
	<u>YES</u>	<u>NO</u>
a) Enterprises such as hotels or travel agencies	<u>YES</u>	<u>NO</u> ☐ 6
<ul><li>a) Enterprises such as hotels or travel agencies</li><li>b) A private person (e.g. Airbnb o HomeAway)</li></ul>		_
	1 1	 6 
	 1 1	
<ul><li>b) A private person (e.g. Airbnb o HomeAway)</li><li>38. How many times have you bought goods or services over th</li></ul>	 1 1	
<ul><li>b) A private person (e.g. Airbnb o HomeAway)</li><li>38. How many times have you bought goods or services over th</li></ul>	1 1 1 e internet f	☐ 6 ☐ 6
b) A private person (e.g. Airbnb o HomeAway)  38. How many times have you bought goods or services over the last 3 months?	1 1 1 e internet f	☐ 6 ☐ 6 ☐ or private use in
b) A private person (e.g. Airbnb o HomeAway)  38. How many times have you bought goods or services over the last 3 months?  1-2 times	1 1 1 e internet f  YES 1	☐ 6 ☐ 6  or private use in  NO ☐ 6 ☐ 6

35. Please tell me now if, for particular reasons, you have contracted (contact and agreement) via a website or app for any household services (e.g. cleaning, childcare,

assets.			
Less than 50 euros	<u> </u>		
50 to less than 100 euros	_ 2		
100 to less than 300 euros	<u> </u>		
300 to less than 500 euros	4		
500 to less than 700 euros	<u> </u>		
700 to less than 1.000 euros	<u> </u>		
1.000 euros and more	<b>7</b>		
Don't know	<b>8</b>		
App: If in question 9 you answered '1' (Internet use in the last 3 months), question 9 you carried out any of the following financial activities purposes in the last 3 months? (Excluding transactions carried	via the Interne	et for pri	vate
		<u>YES</u>	<u>NO</u>
a) Buy or sell shares, bonds, units in funds or other financial assets		1	<u></u> 6
b) Buy insurance policies, including travel insurance, also as a package toge plane ticket	ther with e.g.a	1	☐ 6
c) Take a loan, mortgage or arrange credit from banks or other financial prov	iders	1	□ 6

39. Estimate how much money you have spent in total on your purchases via a website or app for private use in the last 3 months. Exclude purchases of shares or other financial

#### **VIII.- INTERNET OF THINGS**

Interviewer, read to the interviewee: "Next I am going to ask you some questions regarding your use of internet-connected devices or systems in private life, mainly the adoption of home automation solutions (home automation), but also the use of portable devices. Devices that can also be connected to each other to enable advanced services, e.g. remotely control the device, adjust settings, give instructions for tasks to be performed, receive feedback from the device, etc."

# 41. Have you used any of the following internet-connected devices or systems for private purposes?

	YES	<u>NO</u>	
a) Internet-connected thermostat, utility meter, lights, plug-ins or other internet-connected solutions for energy management for your home	1	<u> </u>	
b) Internet-connected home alarm system, smoke detector, security cameras, door locks or other internet-connected security/safety solutions for your home	1	□ 6	
c) Internet-connected home appliances such as robot vacuums, fridges, ovens, coffee machines	1	□ 6	
d) A virtual assistant in the form of a smart speaker or of an app, such as Google Home, Amazon Alexa/Echo/Computer, Google Assistant, Siri, Cortana, Bixby	<u> </u>	<u> </u>	
App: If you answered '6' (NO) to all items in question 41, go to question 42	. Otherwise	e go to question 44	1.
42. Are you aware of the existence of such devices or systems	connecte	d to the Internet	t?
YES			

App: If you answered '1' (YES) to question 42, question 43 is asked. Otherwise go to question 44.

# 43. What were the reasons for not using any of the mentioned internet-connected devices or systems for private purposes?

	<u>YES</u>	<u>NO</u>
a) I had no need to use those connected devices/systems	1	□ 6
b) Costs too high	_	
	1	∐ 6
c) Lack of compatibility with other devices or systems	1	<u> </u>
d) Lack of skills to use those devices or systems	1	□ 6
e) Concerns about the privacy and protection of data about me generated by those devices or systems	1	<u> </u>
f) Concerns about security (e.g. that the device or system will be hacked)	1	<u> </u>
g) Concerns about safety or health (e.g. that the use of the device or system could lead to an accident, injury or health problem)	1	<u> </u>
h) Other reasons		
	<u> </u>	∐ 6
44. Have you used the internet on any of the following devices in purposes?		
	<u>YES</u>	<u>NO</u>
a) An internet-connected TV	<u> </u>	☐ 6
b) An internet-connected game console	<u> </u>	☐ 6
c) An internet-connected home audio system, smart speakers (e. g. Alexa, Google Home)	1	☐ 6

		ate purposes?
	YES	<u>NO</u>
<ul> <li>a) A smart watch, a fitness band, connected goggles or headsets, safety-trackers, internet-connected accessories, internet- connected clothes or shoes</li> </ul>	1	<u> </u>
b) Internet-connected devices for monitoring blood pressure, sugar level, body weight (e.g. smart scales) or other internet-connected devices for health and medical care	1	<u> </u>
<ul> <li>c) Toys connected to the internet, such as robot toys (including educational) or dolls</li> </ul>	1	<u> </u>
d) A car with built-in wireless internet connection	1	<u> </u>
<b>App:</b> If in any of the items in question 41, 44 or 45 you have answered '1' (Otherwise go to block IX.	'YES') go to d	question 46.
46. Have you encountered any of the following problems with the connected devices or systems?	ne mentione	ed internet-
	<u>YES</u>	<u>NO</u>
a) Security or privacy problems (e.g. the device or system was hacked, problems with the protection of information about me and my family generated by those devices or systems)  b) Of the state of th	<u>YES</u>	
problems with the protection of information about me and my family		<u>NO</u>
problems with the protection of information about me and my family generated by those devices or systems) b) Safety or health problems (e.g. the use of the device or system lead	1	<u>NO</u> □ 6
<ul> <li>problems with the protection of information about me and my family generated by those devices or systems)</li> <li>b) Safety or health problems (e.g. the use of the device or system lead to an accident, injury or health problem)</li> <li>c) Difficulties with using the device (e.g. setting-up, installing,</li> </ul>	1 1	<b>NO</b> ☐ 6 ☐ 6

## IX.- GREEN ICT

47. Have you replaced or no longer use of any of these products? If you have never disposed of any of these products, please tick NO.			
	<u>YES</u>	<u>NO</u>	
a) Mobile or smartphone	1	□ 6	
b) Laptop or tablet	1	□ 6	
c) Desktop computer	1	□ 6	
answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question 47(b) and finally to question 50 if you answered '1' (YES) in question			
	<u>YES</u>	<u>NO</u>	
a) It is still kept in my household	1	□ 6	
b) It was sold or given away	<u> </u>	□ 6	
c) It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)	<u> </u>	☐ 6	
d) It was disposed of but not in electronic waste collection/ recycling	1	□ 6	
e) Other	1	□ 6	

49. What did you do with your most recent laptot or tablet when you replaced it or no longer use it?				
	<u>YES</u>	<u>NO</u>		
a) It is still kept in my household	1	<u> </u>		
b) It was sold or given away	1	<u> </u>		
c) It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of)	<u> </u>	<u> </u>		
<ul> <li>d) It was disposed of but not in electronic waste collection/ recycling</li> </ul>	1	<u> </u>		
e) Other	<u> </u>	☐ 6		
50. What did you do with your most recent desktop computer when you replaced it or no longer use it?				
	when you rep	laced it or no		
	when you rep <u>YES</u>	laced it or no		
longer use it?	<u>YES</u>	<u>NO</u>		
a) It is still kept in my household	<u>YES</u> □ 1	<u>NO</u> ☐ 6		
a) It is still kept in my household b) It was sold or given away c) It was disposed of in electronic waste collection/recycling (incl.	<b>YES</b> 1  1	<b>NO</b> ☐ 6 ☐ 6		
a) It is still kept in my household b) It was sold or given away c) It was disposed of in electronic waste collection/recycling (incl. leaving it to the retailer to dispose of) d) It was disposed of but not in electronic waste collection/	YES  1  1  1	<b>NO</b> ☐ 6 ☐ 6 ☐ 6		

## X.- REMOTE WORK

## 51. Please tell me, are you currently employed?

		<b>erviewee:</b> "You are on intain the contractual		e working even if you were te lidays, leave, etc.)."	mporarily
YES		⇒go to que stion .	52		
NO	· □ 6	⇒go to section X			
140		⇒go to section A	•		
survey has in through the systems. Th	been introduced exclusive or prede e work is carried	with some questions dominant use of com	on telework. Te puter, telematic outside the offi	ght about by Covid19, an ann elework is remote work that is and telecommunication mea ice and can be done from hou	carried out ns and
52. Would	your main job	allow you to tele	work?		
Yes, totally	or almost totally	,		⇒go to question 53	
Yes, partial	ly		   6	⇒go to question 53	
No, my job	requires my 100	% presence	<u> </u>	⇒go to section XI	
53. And, a	re you current	ly teleworking?			
YES	□ 1	⇒go to question .	54		
NO	<u> </u>	$\Rightarrow$ go to question.	55		
54. In gene	eral, what perd	centage of your we	orking time is	spent teleworking?	
a) Telew	orking every day,	without coming to the	workplace (100%	of the working day).	□1
•		occasionally coming to	•	- ··	2
c) Telew	orking 4 days a w	eek (between 80% and	l less than 100% o	of the working day)	3
d) Telew	orking 3 days a w	eek (between 60% and	l less than 80% of	the working day)	4
e) Telew	orking 2 days a w	eek (between 40% and	l less than 60% of	the working day)	 5
f) Telew	orking 1.5 days a	week (between 30% ar	nd less than 40% o	of the working day)	 6
g) Telew	orking less than 1	.5 days a week (less th	an 30% of the wo	rking day)	7

telework?	•									
a) Telev	vorking eve	ery day, wit	hout comin	g to the wo	rkplace (10	0% of the w	orking day)	-		<u> </u>
b) Telev	vorking eve	ery day, oco	casionally c	oming to th	e workplac	e				2
c) Telev	vorking 4 d	ays a week	(between	80% and les	ss than 100°	% of the wo	rking day)			☐ 3
d) Telev	vorking 3 d	ays a week	(between	60% and les	ss than 80%	of the worl	king day)			<u> </u>
e) Telev	vorking 2 d	ays a week	(between	40% and les	ss than 60%	of the worl	king day)			<u> </u>
f) Telev	vorking 1.5	days a wee	ek (betweei	n 30% and l	ess than 40	% of the wo	orking day)			□ 6
g) Telev	vorking les	s than 1.5 d	lays a week	(less than	30% of the	working day	<b>y</b> )			□ 7
h) Face-	-to-face wo	ork only								8 🗌
<b>App:</b> If you answered N			•	53, go to (	question 5	6. If, on the	e other har	nd, in ques	ition 53 y	ou/
56. On a s	scale of 0	) to 10, w	ith 0 beir	-	egative a	ınd 10 be	ing very	positive,	how w	ould
1	2	□3	4	<u> </u>	<u> </u>	7	8	<u> </u>	10	)

55. If you had a choice, what percentage of your current working time would you like to

#### XI.- SOCIO-DEMOGRAPHIC BACKGROUND INFORMATION

# 57. What is your country of birth? App: include in the drop-down list, the list of countries proposed in the address http://www.ine.es/daco/daco42/clasificaciones/paisesyterritorios.xls to which the "code 966, Former Spanish territories" will be added. Interviewer: select the mentioned country by clicking on it in the drop-down list. You can scroll through the list of countries by pressing an alphabetical key: you will be placed in the first country (in alphabetical order) whose name begins with that letter. Country of birth 58. What is your nationality? Interviewer: Read all four options, marking only one of them. Spanish $\Rightarrow$ go to question 60 Foreign Spanish and other None $\Rightarrow$ go to que stion 60 59. Please tell me the country or countries of which you have foreign nationality. Implementation: Include in the drop-down the list of countries proposed in the address http://www.ine.es/daco/daco42/clasificaciones/paisesyterritorios.xls (without any incorporation, in this case and the code '108', Spain will be removed). Interviewer: Select the mentioned country by clicking on it in the drop-down. You can scroll through the list of countries by pressing an alphabetical key: it will be placed in the first country (in alphabetical order) whose name begins with that letter. In the event that the informant indicates more than one country, make a multiple selection by activating the Ctrl key. "If you have more than one nationality, please indicate first, if applicable, that belonging to a country of the European Union."

#### 60. What is your legal marital status?

FOREIGN COUNTRIES

SELECTED COUNTRY(ES)

Single	<u> </u>	
Married	2	
Widowed	□ 3	
Separated	<u> </u>	
Divorced	□ 5	
<b>App:</b> If in question H10 of section I you have answered to question 61, pointing in question 61.	d TIP_H = 1, 2 or 3 the flow of the survey should lea	d
If TIP_H=1, then P61=6		
If TIP_H=2, then P61=6		
If TIP_H=3, then P61=1		
Otherwise (e.g. if in H10 you answered TIP_H = 4 or 5,	) continue with question 61.	
61. Regardless of your legal status, do you cui	rrently live as a couple?	
YES 1		
NO G		
62. What are your highest level completed stud		
Interviewer: Write down in the literal of the finished stuinformant must specify in his answer enough so that it		
Illiterate and incomplete primary education	O	
Primay education	1	
First stage of Secondary Education and similar (Elem ESO)	mentary Baccalaureate, EGB,	
Second stage of Secondary Education and similar (UBaccalaureate, FPI, Intermediate Vocational Training	1 13	
Non-higher postsecondary education (CoPN3)	4	
Higher Vocational Training (FPII) and university degr greater than 2 years	rees of duration equal to or	
University degrees of 240 ECTS credits (Bologna), undegrees of expert or specialist and similar	niversity diplomas, own university	
University degrees of more than 240 ECTS credits (Bidegrees and specialties in Health Sciences by the re		
Doctoral Degree	□ 8	
Unable to encode	<u> </u>	

**App:** If in question Q51 you answered YES (1) "have worked", then in question 63 only options '1', '2', '3' and '4' will be active. Otherwise, if you answered NO (6), "has not worked", then only options '0', '5', '6', '7', '8' and '9' will be active.

# 63. In which of the following situations in relation to the activity were you in last week? If you were in several, indicate only the one you consider main.

Working as an employed	
Self-employed with employees	□ 2
Self-employed without employees	$3 \Rightarrow go \text{ to question } 65$
Family worker (unpaid)	□ 4
Unemployed	□5 <b>7</b>
Student	□ 6
Retired or early retired	$\Box$ 7 $\Rightarrow$ go to question 68
Permanently disabled	□ 8
Fulfilling domestic tasks	□ 9
Other situation	
selected person), the information that must appear in question H8 person must be: if P63 = '1', '2', '3' or '4' then H8 = '1'; if P63= '5' the finally if P63= '7', '8', '9' or '0' then H8= '4'.  App: If in question Q63 you answer option '1', question 64 is asked question 65 is asked. Finally, if you answer option '0', '5', '6', '7', '8	then H8= '2'; if P63= '6', then H8='3' and ed; if you answer option '2', '3' or '4', 'or '9', question 68 is asked.
64. What type of employment relatioship do you have in	your main job?
Permanent job (or permanent employment relationship)	□ 1
Fixed-term contract	2
65. Please, indicate what type of working day you have i	in your main job.
Full-time	<u> </u>
Part-time	2

66. In your main job, what is the occupation or type of job you perform?

Interviewer: Write down the literal and point out the appropriate option of the manual. The informant must specify sufficiently so that it can be a doubts about the meaning of this question, some examples can be given laborer, professor at the university	encoded correctly. If the informant
67a. Interviewer: Code according to CIUO_08 (2 digits)	_ _
67b. Interviewer: The occupation of the worker is:	
Manual	<u> </u>
Non-manual	2
67c. Interviewer: The occupation of the worker is:	
ICT Worker	<b>□</b> 1
Other workers	2
	_
68. Finally, could you please give me the approximate range monthly income (that is, after deductions for taxes, social se	
similar payments)? Please include all sources of income (if rather income from employment) the proportionate share of specific income.	<i>j</i> .
extraordinary income received on a regular basis.	
Interviews Enter the declared interval. The same of the many land	wasainad bu all barratia
<b>Interviewer:</b> Enter the declared interval. The sum of the regular income members at present should be counted, whether or not this income is conseled expenses.	
In calculating the amount of this monthly income, the following shall be	taken into account:
- For income from employment, the pro rata share of regular income not (special payments and other extraordinary income received regularly) manuals.	
- For self-employment income deductible expenses deductions or insta	alments must be deducted from the

amount of monthly income.

Less than 900 euros		<u></u> 1
900 to less than 1.600 euros		2
1.600 to less than 2.500 euros		<u></u> 3
2.500 to less than 3.000 euros		4
3.000 euros and more		<u></u> 5
Don't know		6
69. Finally, do you consider yours	elf limited in your activities by he	ealth problems?
Very limited	<u> </u>	
Limited but not severely	_ 2	
Nothing limited	□ 3	
NOTE		
References to products and tradema- clarification and understanding of the products.		