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#### COVER NOTE

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From:	Secretary-General of the European Commission, signed by Ms Martine DEPREZ, Director
date of receipt:	10 July 2023
To:	Ms Thérèse BLANCHET, Secretary-General of the Council of the European Union

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Subject:	ANNEX to the COMMISSION DELEGATED REGULATION (EU) supplementing Regulation (EU) 2019/1700 of the European Parliament and of the Council by specifying the number and titles of the variables for the use of information and communication technologies statistics domain for the reference year 2024

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Delegations will find attached document C(2023) 4532 final - Annex.

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Brussels, 7.7.2023  
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ANNEX

**ANNEX**

**to the**

**COMMISSION DELEGATED REGULATION (EU)**

**supplementing Regulation (EU) 2019/1700 of the European Parliament and of the Council by specifying the number and titles of the variables for the use of information and communication technologies statistics domain for the reference year 2024**

## ANNEX

### Number and titles of the variables for the use of information and communication technologies domain for reference year 2024

Topic	Detailed topic	Variable identifier	Variable name / variable description
<i>01. Technical Items – 15 mandatory technical variables, - 2 optional technical variables</i>	Data collection information	REFYEAR	Year of survey
	Data collection information	INTDATE	Reference date – first interview date
	Data collection information	STRATUM_ID	Stratum
	Data collection information	PSU	Primary sampling unit
	Identification	HH_ID	Household ID
	Identification	IND_ID	Individual ID
	Identification	HH_REF_ID	ID of the household the individual belongs to
	Weights	HH_WGHT	Household weight
	Weights	IND_WGHT	Individual weight
	Interview characteristics	TIME	Interview duration
	Interview characteristics	INT_TYPE	Interview type
	Localisation	COUNTRY	Country of residence
	Localisation	GEO_NUTS1	Region of residence
	Localisation	GEO_NUTS2 (optional)	Region of residence (optional)
	Localisation	GEO_NUTS3 (optional)	Region of residence (optional)
	Localisation	DEG_URBA	Degree of urbanisation
Localisation	GEO_DEV	Geographical location	

Topic	Detailed topic	Variable identifier	Variable name / variable description
<i>02. Person and household characteristics – 7 collected variables, - 1 derived variable, 7 optional variables</i>	Demography	SEX	Sex
	Demography	YEARBIR	Year of birth
	Demography	PASSBIR	Passing of birthday
	Demography	AGE	Age in completed years
	Citizenship and migrant background	CITIZENSHIP	Country of main citizenship
	Citizenship and migrant background	CNTRYB	Country of birth
	Household composition	HH_POP	Household size (number of members in the household)
	Household composition	HH_POP_16_24 (optional)	Number of members of the household aged from 16 to 24 (optional)
	Household composition	HH_POP_16_24S (optional)	Number of students of the household aged 16 to 24 (optional)
	Household composition	HH_POP_25_64 (optional)	Number of members of the household aged from 25 to 64 (optional)
	Household composition	HH_POP_65_MAX (optional)	Number of members of the household aged more than or equal to 65 (optional)
	Household composition	HH_CHILD	Number of children under 16
	Household composition	HH_CHILD_14_15 (optional)	Number of children aged from 14 to 15 (optional)
	Household composition	HH_CHILD_5_13 (optional)	Number of children aged from 5 to 13 (optional)
Household composition	HH_CHILD_LE_4 (optional)	Number of children aged less than or equal to 4 (optional)	
<i>03. Labour market participation – 5 collected variables, 3 optional variables</i>	Main activity status (self-defined)	MAINSTAT	Main activity status (self-defined)
	Elementary job characteristics	STAPRO	Status in employment in main job
	Elementary job characteristics	NACE1D (optional)	Economic activity of the local unit for main job (optional)
	Elementary job characteristics	ISCO2D	Occupation in main job

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Elementary job characteristics	OCC_ICT	ICT professional or non-ICT professional
	Elementary job characteristics	OCC_MAN	Manual or non-manual worker
	Elementary job characteristics	EMPST_WKT (optional)	Full- or part-time main job (self-defined) (optional)
	Duration of contract	EMPST_CONTR (optional)	Permanency of main job (optional)
<i>04. Educational attainment and background – 1 collected variable, 1 derived variable</i>	Educational attainment level	ISCED	Educational attainment level (highest level of education successfully completed)
	Educational attainment level	ISCED	Educational attainment level aggregated
<i>05. Health status and disability, access to, availability and use of health care and health determinants – 1 collected variables</i>	Elements of the Minimum European Health Module	GALI	Limitation in activities because of health problems
<i>06. Income, consumption and elements of wealth, including debts – 1 collected variable</i>	Total monthly household income	HH_IQ5	Total average net current monthly income
<i>07. Information society participation – 113 collected variables, - 16 optional variables, - 2 derived</i>	Access to ICT	IACC	Access of the household to the internet at home (by any device)
	Use and frequency of use of ICT	IU	Most recent internet use, at any location, with any enabling device
	Use and frequency of use of ICT	IFUS	Average frequency of internet use in the last 3 months
	Internet activities	IUEM	Internet use in the last 3 months for private purpose for sending/receiving e-mails
	Internet activities	IUPH1	Internet use in the last 3 months for private purpose for making calls (including video calls) over the internet
	Internet activities	IUSNET	Internet use in the last 3 months for private purpose for participating on social media (creating user profile, posting messages or other contributions)
	Internet activities	IUCHAT1	Internet use in the last 3 months for private purpose for instant messaging (exchanging messages)

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Internet activities	IUIF	Internet use in the last 3 months for private purpose for finding information about goods or services
	Internet activities	IUNW1	Internet use in the last 3 months for private purpose for reading online news sites, newspapers or news magazines
	Internet activities	IUPOL2	Internet use in the last 3 months for private purpose for expressing opinions on civic or political issues on websites or in social media
	Internet activities	IUVOTE	Internet use in the last 3 months for private purpose for taking part in online consultations or voting to define civic or political issues (such as urban planning, signing a petition)
	Internet activities	IUMUSS1	Internet use in the last 3 months for private purpose for listening to music (such as web radio, music streaming) or downloading music
	Internet activities	IUSTV	Internet use in the last 3 months for private purpose for watching internet streamed TV programmes (live or catch-up) from TV broadcasters (such as [national examples])
	Internet activities	IUVOD	Internet use in the last 3 months for private purpose for watching commercial streaming services
	Internet activities	IUVSS	Internet use in the last 3 months for private purpose for watching video content from sharing services
	Internet activities	IUPDG	Internet use in the last 3 months for private purpose for playing or downloading games
	Internet activities	IUPCAST (optional)	Internet use in the last 3 months for private purpose for listening to podcasts or downloading podcasts (optional)
	Internet activities	IHIF	Internet use in the last 3 months for private purpose for seeking health-related information (such as about injuries, diseases, nutrition, improving health)
	Internet activities	IUMAPP	Internet use in the last 3 months for private purpose for making an appointment with a practitioner via a website or app (such as of a hospital, a health care centre, a physiotherapist or a psychotherapist)
	Internet activities	IUAPR	Internet use in the last 3 months for private purpose for accessing personal health records online
	Internet activities	IUOHC	Internet use in the last 3 months for private purpose for using other health services via a website or app instead of having to go to the hospital or visit a doctor (such as by getting a prescription or a consultation online)
	Internet activities	IUSELL	Internet use in the last 3 months for private purpose for selling goods or services via a website or app
	Internet activities	IUBK	Internet use in the last 3 months for private purpose for internet banking (including mobile banking)
	Internet activities	IUOLC	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by doing an online course

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Internet activities	IUOLM	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by using online learning material other than a complete online course (such as video tutorials, webinars, electronic textbooks, learning apps or platforms)
	Internet activities	IUOCIS1	Internet use in the last 3 months for conducting learning activities for educational, professional or private purposes, by communicating with educators or learners using audio or video online tools
	Internet activities	IUOFE	Learning activities the respondent participated in, in the last 3 months, for formal education (such as school or university)
	Internet activities	IUOW	Learning activities the respondent participated in, in the last 3 months, for professional/work-related purposes
	Internet activities	IUOPP	Learning activities the respondent participated in, in the last 3 months, for private purpose
	Internet activities	IUACRG	Having opened an account or registered with a free app or service (such as subscription/ account for social media, apps for buying transport tickets, music streaming, games)
	Internet activities	IUACDL	Deleted or tried to delete (or close) own account of a free app or service (such as social media, apps for buying transport tickets, music streaming, games) in the last 3 months
	Internet activities	IUACDLP	Problems encountered when trying to delete own account of a free app or service (such as difficulty to find a way to delete the account, spending a disproportionate amount of time to do it, technical issues, unacceptable conditions for withdrawal, inability to succeed) in the last 3 months
	Interaction with public authorities	IGOVIP	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in accessing by the respondent information stored about himself/herself by public authorities or public services (such as information regarding [national examples])
	Interaction with public authorities	IGOVIDB	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in accessing by the respondent information from public databases or registers (such as information about availability of books in public libraries, cadastral registers, enterprise registers)
	Interaction with public authorities	IGOV12IF	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in obtaining information by the respondent (for example about services, benefits, entitlements, laws, opening hours)
	Interaction with public authorities	IGOVIX	Respondent has not accessed any personal records or databases nor obtained any information via a website or app of public authorities or public services for private purpose in the last 12 months
	Interaction with public authorities	IGOV12FM	Downloading/printing official forms by the respondent from a website or app of public authorities or public services for private purpose in the last 12 months
	Interaction with public authorities	IGOVAPR	Making an appointment or reservation by the respondent via a website or app with public authorities or public services (such as reservation of a book in a public library, appointment with a government servant or a state healthcare provider) for private purpose in the last 12 months

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Interaction with public authorities	IGOVPOST (Optional)	Receiving by the respondent any official communication or documents sent by public authorities via the respondent's account on a website or app (name of the service, if applicable in the country) of public authorities or services (such as notifications of fines or invoices, letters, service of court summons, court documents, [national examples]) for private purpose in the last 12 months? Usage of e-mail or SMS based information messages or notifications that a document is available should be excluded. (optional)
	Interaction with public authorities	IGOV TAX2	Completed, edited, reviewed or approved respondent's own tax declaration via a website or app for private purpose in the last 12 months
	Interaction with public authorities	IGOVODC	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in requesting by the respondent official documents or certificates (such as graduation, birth, marriage, divorce, death, residence certificates, police or criminal records, [national examples])
	Interaction with public authorities	IGOVBE	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in requesting benefits or entitlements by the respondent (such as pension, unemployment, child allowance, enrolment in schools, universities, [national examples])
	Interaction with public authorities	IGOV RCC	Activities via a website or app of public authorities or public services for private purpose in the last 12 months consisting in making other requests, claims or complaints by the respondent (such as reporting theft to the police, launching a legal complaint, requesting legal aid, initiating a civil claim procedure in front of a court, [national examples])
	Interaction with public authorities	IRGOVNN	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 – respondent did not have to request any documents or to make any claims
	Interaction with public authorities	IRGOVLS	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 – lack of skills or knowledge (such as respondent did not know how to use the website or app or it was too complicated to use)
	Interaction with public authorities	IRGOVSEC	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 – concerns about the security of personal data or unwillingness to pay online (credit card fraud)
	Interaction with public authorities	IRGOVEID (Optional)	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 – lack of electronic signature, activated electronic identification (eID) or any other tool to use the eID (required for using the services) [national examples] (optional)
	Interaction with public authorities	IRGOVOP	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 – another person did it on the respondent's behalf (such as consultant, adviser, relative)

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Interaction with public authorities	IRGOVNAP (Optional)	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 – there was no such online service available (optional)
	Interaction with public authorities	IRGOVOTH	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 – other reason
	Interaction with public authorities	IGOVANYS	Respondent has interacted with public authorities
	Interaction with public authorities	IIGOVDU	Issues when using a website or app of public authorities or public services in the last 12 months – website or app was difficult to use (such as it was not user-friendly, the wording was not clear, procedure was not well explained)
	Interaction with public authorities	IIGOVTP	Issues when using a website or app of public authorities or public services in the last 12 months – technical problems experienced when using website or app (such as long loading, website crashed)
	Interaction with public authorities	IIGOVEID (optional)	Issues when using a website or app of public authorities or public services in the last 12 months – problems in using the electronic signature or electronic identification (eID) (optional)
	Interaction with public authorities	IIGOVPAY (optional)	Issues when using a website or app of public authorities or public services in the last 12 months – the respondent was not able to pay via the website or app (such as due to lack of access to the payment methods required) (optional)
	Interaction with public authorities	IIGOVMOB	Issues when using a website or app of public authorities or public services in the last 12 months – the respondent was not able to access the service on smartphone or tablet (such as non compatible device version or non-available applications)
	Interaction with public authorities	IIGOVOTH	Issues when using a website or app of public authorities or public services in the last 12 months – other issue
	Interaction with public authorities	IIGOVX	The respondent has not encountered any issues when using a website or app of public authorities or public services in the last 12 months
	e-Commerce	IBUY	Last purchase or order of goods or services over the internet for private use
	e-Commerce	BCLOT1	Internet use for buying clothes (including sport clothing), shoes or accessories (such as bags, jewellery) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BSPG	Internet use for buying sports goods (excluding sport clothing) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BCG	Internet use for buying children toys or childcare items (such as nappies, bottles, baby strollers) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months

Topic	Detailed topic	Variable identifier	Variable name / variable description
	e-Commerce	BFURN1	Internet use for buying furniture, home accessories (such as carpets or curtains) or gardening products (such as tools, plants) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BMUFL	Internet use for buying music as CDs, vinyls etc. and/or films or series as DVDs, Blu-ray etc. from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BBOOKNLG	Internet use for buying printed books, magazines or newspapers from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BHARD1	Internet use for buying computers, tablets, mobile phones or accessories from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BEEQU1	Internet use for buying consumer electronics (such as TV-sets, stereos, cameras, sound bars or smart speakers, virtual assistants) or household appliances (such as washing machines) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BMED1	Internet use for buying medicine or dietary supplements such as vitamins (excluding online renewal of prescriptions) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BFDR	Internet use for buying deliveries from restaurants, fast-food chains, catering services from enterprises or private persons via a website or app for private use in the last 3 months
	e-Commerce	BFDS	Internet use for buying food or beverages from stores or from meal-kits providers from enterprises or private persons via a website or app for private use in the last 3 months
	e-Commerce	BCBW	Internet use for buying cosmetics, beauty or wellness products from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BCPH	Internet use for buying cleaning products or personal hygiene products (such as toothbrushes, handkerchiefs, washing detergents, cleaning cloths) from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BBMC	Internet use for buying bicycles, mopeds, cars, or other vehicles or their spare parts from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BOPG	Internet use for buying other physical goods from enterprises or private persons (including used goods) via a website or app for private use in the last 3 months
	e-Commerce	BSIMC	Internet use for buying subscriptions to the internet or mobile phone connections via a website or app for private use in the last 3 months
	e-Commerce	BSUTIL	Internet use for buying subscriptions to electricity, water or heating supply, waste disposal or similar services via a website or app for private use in the last 3 months
	e-Commerce	BTPS_E	Internet use for buying transport services from enterprises, such as bus, train, flight ticket or taxi ride, via a website or app for private use in the last 3 months
	e-Commerce	BRA_E	Internet use for renting accommodation from enterprises such as hotels or travel agencies via a website or app for private use in the last 3 months

Topic	Detailed topic	Variable identifier	Variable name / variable description
	e-Commerce	BTICK2	Internet use for buying tickets to events (such as concerts, cinema, sports events, fairs) via a website or app for private use in the last 3 months
	e-Commerce	BBOOK2	Internet use for buying e-books or audio books as downloads (including updates) via a website or app for private use in the last 3 months
	e-Commerce	BSOFT2	Internet use for buying software as downloads (including upgrades) via a website or app for private use in the last 3 months
	e-Commerce	BGAMES2	Internet use for buying games as downloads (including upgrades) or virtual in-game items via a website or app for private use in the last 3 months
	e-Commerce	BMUSS2	Internet use for having a paid subscription (including existing and new subscriptions) to a music streaming service for private use in the last 3 months
	e-Commerce	BFLMS2	Internet use for having a paid subscription (including existing and new subscriptions) to films, series or sports streaming service for private use in the last 3 months
	e-Commerce	BBOOKNLS2	Internet use for having a paid subscription (including existing and new subscriptions) to online news sites, online newspapers (e-papers) or online magazines via a website or app for private use in the last 3 months
	e-Commerce	BGAMSS	Internet use for having a paid subscription (including existing and new subscriptions) to gaming streaming services for private use in the last 3 months
	e-Commerce	BHLFTS2	Internet use for having a paid subscription (including existing and new subscriptions) to apps related to health or fitness for private use in the last 3 months
	e-Commerce	BAPP2	Internet use for having a paid subscription (including existing and new subscriptions) to other apps (such as apps related to learning languages, travelling, weather) for private use in the last 3 months
	e-Commerce	BOTS (optional)	Internet use for buying any other services (excluding financial and insurance services) via a website or app for private use in the last 3 months (optional)
	e-Commerce	BFIN_IN1	Internet use for buying insurance policies, including travel insurance, also as a package together with for example a plane ticket, via a website or app for private purposes in the last 3 months
	e-Commerce	BFIN_CR1	Internet use for taking a loan, mortgage or arranging credit from banks or other financial providers via a website or app for private purposes in the last 3 months
	e-Commerce	BFIN_SH1	Internet use for buying or selling shares, bonds, units in funds or other financial assets via a website or app for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DEM2	Use of internet-connected (smart) thermostat, utility meter, lights, plug-ins or other internet-connected solutions for energy management for the respondent's home for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DSEC2	Use of internet-connected home alarm system, smoke detector, security cameras, door locks or other internet-connected security or safety solutions for the respondent's home for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DHA2	Use of internet-connected home appliances such as robot vacuums, fridges, ovens, coffee machines, gardening or irrigation tools for private purposes in the last 3 months

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Connection to the internet from anywhere	IOT_DVA2	Use of a virtual assistant in the form of a smart speaker or of an app for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DX2	Respondent did not use any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_BDK2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – respondent did not know that such devices or systems exist
	Connection to the internet from anywhere	IOT_BNN2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – respondent had no need to use those connected devices or systems
	Connection to the internet from anywhere	IOT_BCST2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – costs too high
	Connection to the internet from anywhere	IOT_BLC2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – lack of compatibility with other devices or systems
	Connection to the internet from anywhere	IOT_BLSK2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – lack of skills to use those devices or systems
	Connection to the internet from anywhere	IOT_BCPP2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – concerns about the privacy and protection of data about the respondent generated by those devices or systems
	Connection to the internet from anywhere	IOT_BCSC2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – concerns about security (such as that the device or system will be hacked)
	Connection to the internet from anywhere	IOT_BCSH2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – concerns about safety or health (such as that the use of the device or system could lead to an accident, injury or health problem)
	Connection to the internet from anywhere	IOT_BOTH2	Reasons for not using any of the internet-connected devices for energy management, security or safety solutions, home appliances or virtual assistants for private purposes in the last 3 months – other reasons
	Connection to the internet from anywhere	IOT_IUTV2	Internet use on an internet-connected TV in the respondent's home for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_IUGC2	Internet use on an internet-connected game console in the respondent's home for private purposes in the last 3 months

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Connection to the internet from anywhere	IOT_IUHA2	Internet use on an internet-connected home audio system or smart speakers in the respondent's home for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DCS2	Use of an internet-connected smart watch, fitness band, internet-connected goggles or headsets, safety- trackers, internet-connected accessories, internet-connected clothes or shoes for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DHE2	Use of internet-connected devices for monitoring blood pressure, sugar level, body weight (such as smart scales), care robots or other internet-connected devices for health and medical care for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DTOY2	Use of toys connected to the internet (including for children or adults), such as robot toys, drones or dolls for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_DCAR2	Use of a car with built-in wireless internet connection for private purposes in the last 3 months
	Connection to the internet from anywhere	IOT_USE2	Respondent used Internet of things in the last 3 months
	Connection to the internet from anywhere	IOT_PSEC2	Problems encountered with the mentioned internet-connected devices or systems – security or privacy problems (such as the device or system was hacked, problems with the protection of information about the respondent and his/her family generated by those devices or systems) in the last 3 months
	Connection to the internet from anywhere	IOT_PSHE2	Problems encountered with the mentioned internet-connected devices or systems – safety or health problems (such as the use of the device or system lead to an accident, injury or health problem) in the last 3 months
	Connection to the internet from anywhere	IOT_PDU2	Problems encountered with the mentioned internet-connected devices or systems – difficulties with using the device (such as setting-up, installing, connecting, pairing the device) in the last 3 months
	Connection to the internet from anywhere	IOT_POTH2	Problems encountered with the mentioned internet-connected devices or systems – other problems (such as connection problems, support problems) in the last 3 months
	Connection to the internet from anywhere	IOT_PX2	Respondent has not encountered any problem with the mentioned internet-connected devices or systems in the last 3 months
	Effect of use	ECO_DMOB	Way in which the respondent dealt with his/her mobile phone or smartphone that he/she replaced or no longer uses (excluding devices provided by employers)
	Effect of use	ECO_DLT	Way in which the respondent dealt with his/her laptop or tablet that he/she replaced or no longer uses (excluding devices provided by employers)
	Effect of use	ECO_DPC	Way in which the respondent dealt with his/her desktop computer that he/she replaced or no longer uses (excluding devices provided by employers)
	Effect of use	ECO_PP (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – price (optional)
	Effect of use	ECO_BDS (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – brand, design or size (optional)

Topic	Detailed topic	Variable identifier	Variable name / variable description
	Effect of use	ECO_PHD (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – hardware characteristics (such as storage, processor speed, camera, graphics card) (optional)
	Effect of use	ECO_PECD (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – eco-design of the device such as durable, upgradeable and repairable design that requires fewer materials; environmentally friendly materials used for packaging (optional)
	Effect of use	ECO_PEG (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – possibility to extend the life span of the device by buying extra guarantee (optional)
	Effect of use	ECO_PEE (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – energy efficiency of the device (optional)
	Effect of use	ECO_PTBS (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – a take-back scheme offered by manufacturer or seller (i.e. the manufacturer or seller takes the device which becomes obsolete at no cost or offers discounts to the client to purchase another device) (optional)
	Effect of use	ECO_PX (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – the respondent has not considered any of the mentioned characteristics (optional)
	Effect of use	ECO_PBX (optional)	Characteristics considered as important by the respondent when he/she most recently bought a mobile or smartphone, tablet, laptop or desktop computer – the respondent never bought any of these devices (optional)