Dimension	Sub-dimension	Indicator	Description	Breakdown	Unit	Source
1 Connectivity	**1a Fixed Broadband**	**1a1 Fixed Broadband Coverage**	% of households covered by broadband: xDSL, cable (basic and NGA), FTTP or WiMax networks	All households	% households	Broadband coverage in Europe, studies for the EC by IHS and Valdani, Vicari & Associati (2013-2015, SMART 2013/0054) and by IHS and Point Topic (2016 onwards, SMART 2016/0045)
		1a2 Fixed Broadband Take-up	% of households subscribing to broadband: xDSL, cable (basic and NGA), FTTP or WiMax networks	All households	% households	Eurostat - Community survey on ICT usage in Households and by People
	1b Mobile Broadband	**1b1 4G coverage**	% of populated areas coverage by 4G - measured as the average coverage of telecom operators in each country	All subscriptions	% households	Broadband coverage in Europe, studies for the EC by IHS and Valdani, Vicari & Associati (2013-2015, SMART 2013/0054) and by IHS and Point Topic (2016 onwards, SMART 2016/0045)
		1b2 Mobile Broadband Take-up	Number of mobile data subcsriptions per 100 people	All subscriptions	Subscribers per 100 people	Electronic communications market indicators collected by Commission services, through National Regulatory Authorities, for the Communications Committee (COCOM)
	1c Fast Broadband	**1c1 Fast Broadband Coverage**	% of households covered by broadband of at least 30 Mbps download. Considered technologies are FTTH, FTTB, Cable Docsis 3.0 and VDSL	All households	% households	Broadband coverage in Europe, studies for the EC by IHS and Valdani, Vicari & Associati (2013-2015, SMART 2013/0054) and by IHS and Point Topic (2016 onwards, SMART 2016/0045)
		1c2 Fast Broadband take-up	% of households subscribing to broadband of at least 30 Mbps	All fixed broadband subscriptions	% of households	Electronic communications market indicators collected by Commission services, through National Regulatory Authorities, for the Communications Committee (COCOM) and Eurostat Eurostat - Community survey on ICT usage in Households and by People
	1d Ultrafast Broadband	**1d1 Ultrafast Broadband Coverage**	% of households covered by broadband of at least 100 Mbps download. Considered technologies are FTTH, FTTB and Cable Docsis 3.0	All households	% households	Broadband coverage in Europe, studies for the EC by IHS and Valdani, Vicari & Associati (2013-2015, SMART 2013/0054) and by IHS and Point Topic (2016 onwards, SMART 2016/0045)
		1d2 Ultrafast Broadband take-up	% of households subscribing to broadband of at least 100 Mbps	All fixed broadband subscriptions	% of households	Electronic communications market indicators collected by Commission services, through National Regulatory Authorities, for the Communications Committee (COCOM) and Eurostat Eurostat - Community survey on ICT usage in Households and by People
	1e Broadband Price Index	**1e1 Broadband Price Index**	The Broadband Price Index measures the prices of twelve representative broadband baskets as the percentage of household income. The baskets include three speed categories (12-30 Mbps, 30-100 Mbps and at least 100 Mbps) and four types of products (standalone internet, internet + TV, internet + fixed telephony and internet + TV + fixed telephony).	All fixed broadband offers	Score (0-100)	Access cost: Broadband Internet Access Cost (BIAC), annual studies for the EC realised by Van Dijk (2013-2015) and by Empirica (2016 onwards). Income: Real adjusted gross disposable income of households per capita (Eurostat: tec00113)
2 Human Capital	**2a Basic Skills and Usage**	**2a1 Internet Users**	People who use the internet at least once a week	All People (aged 16-74)	% People	Eurostat - Community survey on ICT usage in Households and by People (I_IUSE)
		2a2 At Least Basic Digital Skills	Skills such as using a mailbox, editing tools, installing new devices, etc.	All People (aged 16-74)	% People	Eurostat - Community survey on ICT usage in Households and by Individuals
	2b Advanced skills and Development	**2b1 ICT Specialists**	Including jobs like ICT service managers , ICT professionals, ICT technicians and ICT installers and servicers Based on the new ISCO-08 classification.	Employed People	% People	Eurostat - Labour force survey
		2b2 STEM Graduates	People with a degree in a science, technology, maths or engineering-related subject	All People 20 to 29 years old	Graduates in STEM per 1000 People	Eurostat (table educ_uoegrad04, using selection ISCED11=ED5-8)
3 Use of Internet Services	**3a Content**	**3a1 News**	People who used the internet to read online news sites, newspapers or news magazines	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals (I_IUNW1)
		3a2 Music, Videos and Games	People who used the internet to play or download games, images, films or music	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals
		3a3 Video on Demand	People who used the internet to use Video on Demand services	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals
	3b Communication	**3b1 Video Calls**	People who used the internet to make telephone or video calls (eg Skpe)	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals (I_IUPH1)
		3b2 Social Networks	People who used the internet to participate in social networks (create user profile, post messages or other contributions)	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals (I_IUSNET)
	3c Transactions	**3c1 Banking**	People who used the Internet to use online banking	All People (aged 16-74)	% People who used Internet in the last 3 months	Eurostat - Community survey on ICT usage in Households and by Individuals (I_IUBK)
		3c2 Shopping	People who ordered goods or services online	All People (aged 16-74)	% internet users (last year)	Eurostat - Community survey on ICT usage in Households and by Individuals (I_BLT12)
4 Integration of Digital Technology	**4a Business digitisation**	**4a1 Electronic Information Sharing**	Businesses who have in use an ERP (enterprise resource planning) software package, to share information between different functional areas (e.g. accounting, planning, production, marketing)	All enterprises (no financial sector, 10+ employees)	% enterprises	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (E_ERP1)
		4a2 RFID	Enterprises using "smart tags", Radio Frequency Identification (RFID) technologies for after sales product identification or as part of the production and service delivery	All enterprises (no financial sector, 10+ employees)	% enterprises	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (e_rfpsas1)
		4a3 Social Media	Businesses using two or more of the following social media: social networks, enterprise's blog or microblog, multimedia content sharing websites, wiki based knowledge sharing tools. Using social media means that the enterprise have a user profile, an account or a user license depending on the requirements and the type of the social media.	All enterprises (no financial sector, 10+ employees)	% enterprises	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (E_SM1_GE2)
		4a4 eInvoices	Businesses sending invoices in an agreed standard format (as EDIFACT, XML, etc) which allows their automatic processing, without the individual message being manually typed.	All enterprises (no financial sector, 10+ employees)	% enterprises	Eurostat - Community survey on ICT usage and eCommerce in Enterprises
		4a5 Cloud	Businesses purchasing at least one of the following cloud computing services: hosting of the enterprise's database, accounting software applications, CRM software, computing power	All enterprises (no financial sector, 10+ employees)	% enterprises	Eurostat - Community survey on ICT usage and eCommerce in Enterprises
	4b eCommerce	**4b1 SMEs Selling Online**	SMEs selling online (at least 1% of turnover)	SMEs (no financial sector, 10-249 employees)	% of SMEs	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (E_ESELL)
		4b2 eCommerce Turnover	SMEs total turnover from e-commerce	SMEs (no financial sector, 10-249 employees)	% turnover	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (E_ETURN)
		4b3 Selling Online Cross-border	SMEs that carried out electronic sales to other EU countries	SMEs (no financial sector, 10-249 employees)	% of SMEs	Eurostat - Community survey on ICT usage and eCommerce in Enterprises (E_AESEU)
5 Digital Public Services	**5a eGovernment**	**5a1 eGovernment Users**	People sending filled forms to public authorities, over the internet, last 12 months	All People (aged 16-74)	% internet users (last year) who need to send filled forms	Eurostat - Community survey on ICT usage in Households and by People
		5a2 Pre-filled Forms	Amount of data that is pre-filled in public services' online forms	Services assessed in the eGovernment Benchmark	Score (0 to 100)	eGovernment Benchmark
		5a3 Online Service Completion	The share of administrative steps related to major life events (birth of a child, new residence, etc) that can be done online	Services assessed in the eGovernment Benchmark	Score (0 to 100)	eGovernment Benchmark
		5a4 eGovernment Services for Businesses	The indicator broadly reflects the share of public services needed for starting a business and for conducting regular business operations that are available online for domestics as well as for foreign users. Services provided through a portal receive an higher score, services which provide only information (but have to be completed offline) receive a more limited score.	Services assessed in the eGovernment Benchmark	Score (0 to 100)	eGovernment Benchmark
		5a5 Open Data	This composite indicator measures to what extent countries have an Open Data policy in place (including the transposition of the revised PSI Directive), the estimated political, social and economic impact of Open Data and the characteristics (functionalities, data availability and usage) of the national data portal.	Aggregate score	% of maximum score	European Data Portal
	5b eHealth	**5b1 eHealth Services**	% of people who used health and care services provided online without having to go to the hospital or doctors surgery (for example, by getting a prescription or a consultation online)	All people	% of people	Eurobarometer 460: Attitudes towards the impact of digitisation and automation on daily life