Additional notes

Annotation 1: Contracting of survey research on the advancement of ICT infrastructure and distribution of digital data and information

Overview of general public questionnaire survey

This survey of the general public was conducted to understand their usage of platform services and their thoughts on providing personal data to platform services; how they interact with information on the Internet such as disinformation, misinformation, and targeted advertising; and their awareness and intention to use new services such as Beyond 5G/6G, Web3, and generative Al. An overview of the survey is provided below.

Item	Overview	Overview				
Survey method	Internet quest	Internet questionnaire survey				
Survey period	Early Februar	Early February to late February 2023				
Target area	Japan, U.S.,	Japan, U.S., Germany, and China				
Selection method		Selected by age group (20s, 30s, 40s, 50s, 60s and older) and gender (male and female) from among questionnaire survey company monitors.				
Valid responses	40, 50, 60s ar	nd older) and collected in ea	sex (male and f ch country is as			
	Age	Male	Female			
	20-29	100	100			
	30-39	100	100			
	40-49	100	100			
	50-59	100	100			
	60-	100	100			
	Total	500	500			
	Total	1,000				
Main survey items	income) [2] Platform login) [3] Use of d sonal da and use [4] How to in how info persona ness of I benefits [5] Awarene	 [1] Basic attributes (sex, age, occupation, regional characteristics, annual household income) [2] Platform service usage (usage device, usage level, PF service usage status, social login) [3] Use of data with platform providers (awareness of provision and utilization of personal data, concerns about provision, provision conditions, targeted advertising and use of services, device tracking functions, status of countermeasures, etc.) [4] How to interact with information on the Internet (how news is acquired, thoughts on how information is collected, understanding of online service characteristics and personalization, precautions to be taken when posting, trusted online sites, awareness of how personal data is used, impression of targeted advertising, whether the benefits of providing data are considered important) [5] Awareness and usage of emerging services such as 5G/B5G (awareness of related terms such as 5G/B5G, Web 3.0, and generative AI; intention to use various ser- 				
Notes	The survey targeted monitors registered with the questionnaire survey company. Factors such as the small number of registered monitors may have biased the characteristics of the subjects and their responses, depending on the country, gender, or age group					

Annotation 2: Survey on trends in digital usage in Japan and overseas

(1) Overview of questionnaire survey

a Private life

This survey of the general public in Japan, the U.S., Germany, and China was conducted to ascertain the state of digital utilization in working styles, private services, and public services.

Item	Overview						
Selection method	Internet questionnaire survey						
Survey period	December 2022 to January 2023						
Target	Selected without age bias from among questionnaire survey company monitors						
Survey Valid responses		20s	30s	40s	50s	60s	Total
	Japan	206	206	206	206	206	1030
	U.S.	104	104	104	104	104	520
	Germany	104	104	104	104	104	520
	China	104	104	104	104	104	520
	Total	518	518	518	518	518	2590
	* Individuals under 20 and over 70 were excluded from this questionnair						
Main survey items	Basic attributes (age) Usage of digital services for work, such as remote work Usage of interactive entertainment services in virtual space Usage of digital administrative services Expectations and concerns about the switch to digital for various services Literacy in and thoughts on digital usage						

b Company activities

This survey of companies in Japan, the U.S., Germany, and China on digital usage, was conducted from the perspectives of technology/data, organizations, and human resources.

Item	Overview						
Selection method	Internet questionnaire survey						
Survey period	December 2022 to January 2023						
Target	Individuals whose job title is section chief or higher were selected from among question- naire survey company monitors who work for companies with 10 or more employees and who have permanent addresses in each country.						
Survey Valid responses		Large enterprises	Small-to-medium-sized enterprises	Total			
	Japan	379	136	515			
	U.S.	190	119	309			
	Germany	221	88	309			
	China	279	30	309			
	Total	1069	373	1442			
	a survey of classified a as "small-t struction," estate and cations." Of and those	on the SMEA definition of small-to-medium-sized enterprises¹ and the results of a commissioned last fiscal year,² companies with 300 or more employees were das "large enterprises" and those with fewer than 300 employees were classified ll-to-medium-sized enterprises" in the following categories: "manufacturing," "conn," "electricity, gas, heat supply, and water supply," "finance and insurance," "real nd leasing," "transportation and postal services," and "information and communication companies with 100 or more employees were classified as "large enterprises" see with fewer than 100 employees were classified as "small-to-medium-sized enterprises" in the following categories: "wholesale and retail" and "service and other."					
Main survey items	 Basic attributes (industry, number of employees) Data and technology used in efforts to switch to digital Effects of efforts to switch to digital Organized efforts to promote the switch to digital Shortage of digital human resources and efforts to secure them Challenges in promoting the switch to digital 						

 $^{^1\,\}hbox{``Definition of SMEs and Small Entrepreneurs'' (SMEA) https://www.chusho.meti.go.jp/soshiki/teigi.html}$

² "Survey Research on R&D on the Latest Information and Communications Technologies and Trends of Use of Digital Technologies in Japan and Abroad" (MIC, 2022)

https://www.soumu.go.jp/johotsusintokei/linkdata/r04_03_houkoku.pdf

(2) Analysis of digital usage trends in Japan and overseas

a Private life

(1) From the results of questionnaire (a), the state of digital utilization in working styles, private services, and public services in each country was ascertained, and the characteristics of digital utilization in Japan and associated issues were extracted by comparing with other countries.

b Company activities

(1) From the results of the questionnaire (b), the state of digitalization efforts by enterprises in each country was ascertained from the viewpoint of technology, data, organizations, and human resources, and the characteristics and issues with digital utilization in Japanese companies were extracted by comparing with other countries.

Annotation 3: Survey on Economic Analysis of ICT (Scope of the information and communications industry of Japan)

Scope of the information and communications industry of Japan

	Scope of the information and communications industry	Sectors of the Input-Output Table of the Information Communications Industry		
1. Tel	lecommunications	of the information Communications industry		
[Fixed-line telecommunications	Fixed-line telecommunications		
	Mobile telecommunications	Mobile telecommunications		
1 -	Services associated with telecommunications	Services associated with telecommunications		
	padcasting	Corvides associated with tologonimum actions		
	Public broadcasting	Public broadcasting		
	Private broadcasting	Private television/multiplex broadcasting		
	Tivate broadsasting	Private radio broadcasting		
		Private satellite broadcasting		
	Cable broadcasting	Cable television broadcasting		
		Cable radio broadcasting		
	ormation services			
	Software	Software		
	Information processing/provision services	Information processing service		
		Information provision service		
	ernet-related Services			
	Internet-related Services	Internet-related Services		
	deo picture, sound information, character information pr			
	Video picture, sound information, character information production	Video picture, sound information, character information production (excluding news providers)		
	Newspapers	Newspapers		
	Publishers	Publishers		
	News providers	News providers		
	T-related manufacturing	, towe provides		
	Computer and peripheral device manufacturing	Personal computer		
		Computers (excluding personal computers)		
		Peripheral devices of computer		
l i	Cable communication equipment and appliance manufacturing	Cable communication equipment		
	Wireless communication equipment and appliance			
	manufacturing	Wireless communication equipment (excluding mobile phones)		
	Other telecommunication equipment and appliance manufacturing	Other telecommunication equipment		
	Flat panel/electron tube manufacturing	Flat panels/electron tubes		
İ	Semiconductor element manufacturing	Semiconductor elements		
İ	Integrated circuit manufacturing	Integrated circuits		
İ	Liquid crystal panel manufacturing	Liquid crystal panels		
İ	Other electronic component manufacturing	Other electronic components		
İ	Radio and television receiver / video equipment manu-	·		
	facturing	Video equipment and digital cameras		
	Communication cable manufacturing	Communication cables and optical fiber cables		
İ	Office and business equipment manufacturing	Office and business equipment		
	Electrical audio equipment and appliance manufacturing	1 1		
	Information recording media manufacturing	Information recording media		
-	T-related services	-		
	ICT equipment leasing business	Computer and related equipment leasing Office and business equipment leasing (excluding computers) Communication equipment and appliance leasing		
	Advertising business	Advertising		
	Printing, publishing, binding business	Printing, publishing, binding		
	Film and theatre business	Film, theatre and entertainment places		
	related construction	'		
8. IT-		1		
		Telecom facilities construction		
	Telecom facilities construction	Telecom facilities construction		

Annotation 4: List of domestic production of 77 sector

	ICT goods/services	General goods/services			
1			4 Agriculture, forestry and fisheries		
2	Mobile telecommunications		Mining		
3	Services associated with telecommunications		Food and beverage		
4	Public broadcasting		Textile products		
5	Private television/multiplex broadcasting		Pulp, paper and wood products		
6	Private radio broadcasting		Chemicals		
7	Private satellite broadcasting		Petroleum and coal products		
8	Cable television broadcasting		Plastic and rubber products		
9	Cable radio broadcasting		Ceramics, stone and clay products		
10	Software		Steel		
11	Information processing service		Non-ferrous metals		
	Information provision service		Metal products		
	Internet-related Services		General-purpose machinery		
	Newspapers		Miscellaneous manufacturing products		
	Publishers		Production machinery		
16	News providers		Business-oriented machinery		
	Video picture, sound information, character informa-	60	Electric machine		
	tion production (excluding news providers)				
18	Personal computer	61	Transportation machine		
19	Computers (excluding personal computers)		Construction		
	Peripheral devices of computer		Electric power, gas and heat supply		
21	Cable communication equipment		Water		
	Mobile phones	65	Waste treatment		
23	Wireless communication equipment (excluding mo-	66	Commerce		
	bile phones)				
	Other telecommunication equipment		Finance and insurance		
	Semiconductor elements		Real estate		
	Integrated circuits		Transportation and postal services		
	Liquid crystal panels		Public administration		
	Flat panels/electron tubes		Education		
	Other electronic components		Medical care and welfare		
	Radio and television receivers		Membership-based associations, n.e.c.		
	Video equipment and digital cameras		Business service		
	Communication cables and optical fiber cables	_	Personal service		
	Office and business equipment		Office supplies		
	Electrical audio equipment and appliances	//	Not elsewhere classified		
	Information recording media				
	Computer and related equipment leasing				
37	Office and business equipment leasing (excluding				
20	computers)				
	Communication equipment and appliance leasing				
	Advertising Drinting publishing hinding				
	Printing, publishing, binding Film, theatre and entertainment places				
	Telecom facilities construction				
	Research				
43	INCOCAIUII		<u> </u>		