Summary of 2023 Survey: Questionnaires and Aggregated Results

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Economic and Social Research Institute (ESRI), Cabinet Office, Government of Japan

SQ1 What is your gender? (Select one)

		Obs	%
	Total	5581	100.0
1	Male	4377	78.4
2	Female	1196	21.4
3	Other	8	0.1

SQ2   What is your age group? (Select one)

		Obs	%
	Total	5581	100.0
1	18-29 years old	146	2.6
2	30-39 years old	661	11.8
3	40-49 years old	1499	26.9
4	50-59 years old	2158	38.7
5	60-69 years old	1091	19.5
6	Other than above	26	0.5

<Notes>
We differentiated the display of subsequent questions based on the responses to the age-related questions in SQ2.
Regarding the situation in organizations (departments) where respondents previously worked:
Questions about situations more than 10 years ago (SQ10_1, SQ10_1 SNT1_1, SQ11_1, SQ12_1, SQ13_1) were asked to 5,435 respondents, excluding those aged 18-29.
Questions about situations more than 20 years ago (SQ10_2, SQ10_2 SNT1_1, SQ11_2, SQ12_2, SQ13_2) were asked to 4,774 respondents, excluding those aged 18-39.
Questions about situations more than 30 years ago (SQ10_3, SQ10_3 SNT1_1, SQ11_3, SQ12_3, SQ13_3) were asked to 3,275 respondents, excluding those aged 18-49.

SQ3   In a survey conducted one year ago, you indicated that you were engaged in tasks related to recording, organizing, and storing data in your daily work. You also responded that the usage period for "data you were involved in creating" was "1 year or more". Now, we would like to ask you for additional details about the breakdown of that period you reported as "1 year or more" in the previous survey. Please select the option that most closely matches your situation. (Select one)

		Obs	%
	Total	2206	100.0
1	Most usage periods are 1 year or more but less than 3 years	791	35.9
2	Most usage periods are 3 year or more but less than 5 years	450	20.4
3	Most usage periods are 5 year or more but less than 7 years	192	8.7
4	Most usage periods are 7 year or more but less than 10 years	158	7.2
5	Most usage periods are 10 year or more but less than 15 years	110	5.0
6	Most usage periods are 15 year or more	298	13.5
7	Don't know	207	9.4

SQ4   In a survey conducted one year ago, you responded that you were engaged in tasks related to development and operation of database in your regular work. Regarding the "database" mentioned in that response, for how long had it been in use at the time of your answer one year ago? Please choose the option that is closest. (Select one)

		Obs	%
	全体	1546	100.0
1	Most usage periods are less than 1 year	186	12.0
2	Most usage periods are 1 year or more but less than 3 years	318	20.6
3	Most usage periods are 3 year or more but less than 5 years	267	17.3
4	Most usage periods are 5 year or more but less than 7 years	137	8.9
5	Most usage periods are 7 year or more but less than 10 years	92	6.0
6	Most usage periods are 10 year or more but less than 15 years	88	5.7
7	Most usage periods are 15 year or more	245	15.8
8	Don't know	213	13.8

SQ5_1   How many full-time employees were there in the organization (department) you belonged to one year ago? Approximately ___ employees (NU)

	Obs	%
Total	5581	100.0
Average		375
Minimum		0
Maximum		99,999

SQ6　　In the organization (department) you belonged to one year ago, approximately what percentage of people were engaged in data recording (input), organization, and storage? Please choose the option that is closest. (Choose One)

		Obs	%
	Total	5581	100.0
1	Almost none	1074	19.2
2	10% or more but less than 20%	1298	23.3
3	20% or more but less than 40%	840	15.1
4	40% or more but less than 60%	460	8.2
5	60% or more but less than 80%	241	4.3
6	80% or more to almost everyone	1065	19.1
7	Don't know	603	10.8

SQ7　　For those engaged in data recording (input), organization, and storage tasks that you mentioned in SQ6, what percentage of their working hours were devoted to these tasks? Please choose the option that is closest. (Choose One)

		Obs	%
	Total	5581	100.0
1	Almost none	865	15.5
2	10% or more but less than 20%	1357	24.3
3	20% or more but less than 40%	1174	21.0
4	40% or more but less than 60%	704	12.6
5	60% or more but less than 80%	325	5.8
6	80% or more to almost all	339	6.1
7	Don't know	817	14.6

SQ8　　For how long were the data created by the organization (department) you belonged to one year ago typically used? (Choose One)

		Obs	%
	Total	5581	100.0
1	Most usage periods are less than 1 year	562	10.1
2	Most usage periods are 1 year or more but less than 3 years	1246	22.3
3	Most usage periods are 3 year or more but less than 5 years	987	17.7
4	Most usage periods are 5 year or more but less than 7 years	545	9.8
5	Most usage periods are 7 year or more but less than 10 years	323	5.8
6	Most usage periods are 10 year or more but less than 15 years	201	3.6
7	Most usage periods are 15 year or more	491	8.8
8	Don't know	1226	22.0

SQ9　　How did the organization (department) you belonged to one year ago store and utilize the data you created? Please select the option that best represents the most frequent method of use. (Choose One)

		Obs	%
	Total	5581	100.0
1	Computer hard drive	1558	27.9
2	External storage device	402	7.2
3	File server on department LAN	1087	19.5
4	Organizational database	1083	19.4
5	Data center	248	4.4
6	Cloud service	652	11.7
7	Other	27	0.5
8	Don't know	524	9.4

SQ10_1   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 10 years ago: (Choose One)

		Obs	%
	Total	5435	100.0
1	Number of employees	4614	84.9
2	Not working at that time	821	15.1

SQ10_1_SNT1_1   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 10 years ago: Number of employees (in Number)

	Obs	%
Total	4614	100
Average		442
Minimum		0
Maximum		99,999

SQ10_2   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 20 years ago: (Choose One)

		Obs	%
	Total	4774	100.0
1	Number of employees	3735	78.2
2	Not working at that time	1039	21.8

SQ10_2_SNT1_1   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 20 years ago: Number of employees (in Number)

	Obs	%
Total	3735	100.0
Average		478
Minimum		0
Maximum		99,999

SQ10_3   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 30 years ago: (Choose One)

		Obs	%
	Total	3275	100.0
1	Number of employees	2370	72.4
2	Not working at that time	905	27.6

SQ10_3_SNT1_1   Approximately how many full-time employees were there in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993)?
Please answer for the situation in the organization (department) you belonged to about 30 years ago: Number of employees (in Number)

	Obs	%
Total	2370	100.0
Average		650
Minimum		0
Maximum		99,999

SQ11_1   What percentage of employees in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) were engaged in data recording (input), organization, and storage? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 10 years ago: (Choose One)

		Obs	%
	Total	4614	100.0
1	Almost none	1061	23.0
2	10% or more but less than 20%	1492	32.3
3	20% or more but less than 40%	802	17.4
4	40% or more but less than 60%	439	9.5
5	60% or more but less than 80%	220	4.8
6	80% or more to almost everyone	600	13.0

SQ11_2   What percentage of employees in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) were engaged in data recording (input), organization, and storage? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 20 years ago: (Choose One)

		Obs	%
	Total	3735	100.0
1	Almost none	1050	28.1
2	10% or more but less than 20%	1228	32.9
3	20% or more but less than 40%	580	15.5
4	40% or more but less than 60%	314	8.4
5	60% or more but less than 80%	169	4.5
6	80% or more to almost everyone	394	10.5

SQ11_3   What percentage of employees in the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) were engaged in data recording (input), organization, and storage? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 30 years ago: (Choose One)

		Obs	%
	Total	2370	100.0
1	Almost none	811	34.2
2	10% or more but less than 20%	772	32.6
3	20% or more but less than 40%	299	12.6
4	40% or more but less than 60%	176	7.4
5	60% or more but less than 80%	94	4.0
6	80% or more to almost everyone	218	9.2

SQ12_1   In the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993), what percentage of their working hours did the employees engaged in data recording (input), organization, and storage dedicate to these tasks? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 10 years ago: (Choose One)

		Obs	%
	Total	4614	100.0
1	Almost none	1045	22.6
2	10% or more but less than 20%	1514	32.8
3	20% or more but less than 40%	1037	22.5
4	40% or more but less than 60%	514	11.1
5	60% or more but less than 80%	228	4.9
6	80% or more to almost all	276	6.0

SQ12_2   In the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993), what percentage of their working hours did the employees engaged in data recording (input), organization, and storage dedicate to these tasks? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 20 years ago: (Choose One)

		Obs	%
	Total	3735	100.0
1	Almost none	1044	28.0
2	10% or more but less than 20%	1219	32.6
3	20% or more but less than 40%	735	19.7
4	40% or more but less than 60%	380	10.2
5	60% or more but less than 80%	154	4.1
6	80% or more to almost all	203	5.4

SQ12_3   In the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993), what percentage of their working hours did the employees engaged in data recording (input), organization, and storage dedicate to these tasks? Please select the option that most closely matches your situation.
Please answer for the situation in the organization (department) you belonged to about 30 years ago: (Choose One)

		Obs	%
	Total	2370	100.0
1	Almost none	804	33.9
2	10% or more but less than 20%	753	31.8
3	20% or more but less than 40%	367	15.5
4	40% or more but less than 60%	221	9.3
5	60% or more but less than 80%	96	4.1
6	80% or more to almost all	129	5.4

SQ13_1   How did the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) store and utilize the data created? Please select the option that was most frequently used.
Please answer for the situation in the organization (department) you belonged to about 10 years ago: (Choose One)

		Obs	%
	Total	4614	100.0
1	Computer hard drive	1601	34.7
2	External storage device	473	10.3
3	File server on department LAN	1103	23.9
4	Organizational database	957	20.7
5	Data center	242	5.2
6	Cloud service	181	3.9
7	Other	57	1.2

SQ13_2   How did the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) store and utilize the data created? Please select the option that was most frequently used.
Please answer for the situation in the organization (department) you belonged to about 20 years ago: (Choose One)

		Obs	%
	Total	3735	100.0
1	Computer hard drive	1436	38.4
2	External storage device	594	15.9
3	File server on department LAN	780	20.9
4	Organizational database	639	17.1
5	Data center	161	4.3
6	Cloud service	47	1.3
7	Other	78	2.1

SQ13_3   How did the organization (department) you belonged to 10 years ago (2013), 20 years ago (2003), and 30 years ago (1993) store and utilize the data created? Please select the option that was most frequently used.
Please answer for the situation in the organization (department) you belonged to about 30 years ago: (Choose One)

		Obs	%
	Total	2370	100.0
1	Computer hard drive	1070	45.1
2	External storage device	402	17.0
3	File server on department LAN	266	11.2
4	Organizational database	359	15.1
5	Data center	88	3.7
6	Cloud service	28	1.2
7	Other	157	6.6

Note: Q13B_1 to Q13B_5 was conducted as an additional, separate web survey. Therefore, the sample sizes for these questions differ from those shown previously.

Q13B_1   How did the organization (department) you belonged to 1 year ago, 10 years ago (2013), 20 years ago (2003), 30 years ago (1993), and 40 years ago (1983) store and utilize the data created? Please select the option that was most frequently used. When answering, please refer to the examples provided for each option.
Please answer for the situation in the department you belonged to 1 year ago: (Choose One)

		Obs	%
	Total	5061	100.0
1	Paper media (non-digital media)	311	6.1
2	Small Business Computer or Mini Computer	88	1.7
3	Computer hard drive	1093	21.6
4	External storage device	336	6.6
5	In-house servers, etc.	1542	30.5
6	Data center	184	3.6
7	Cloud service	681	13.5
8	Other*	28	0.6
9	Don't know	219	4.3
10	Did not handle data	579	11.4
11	Not working at that time	0	0.0

Q13B_2   How did the organization (department) you belonged to 1 year ago, 10 years ago (2013), 20 years ago (2003), 30 years ago (1993), and 40 years ago (1983) store and utilize the data created? Please select the option that was most frequently used. When answering, please refer to the examples provided for each option.
Please answer for the situation in the department you belonged to 10 year ago: (Choose One)

		Obs	%
	Total	4208	100.0
1	Paper media (non-digital media)	433	10.3
2	Small Business Computer or Mini Computer	71	1.7
3	Computer hard drive	1033	24.5
4	External storage device	384	9.1
5	In-house servers, etc.	1407	33.4
6	Data center	179	4.3
7	Cloud service	92	2.2
8	Other*	21	0.5
9	Don't know	170	4.0
10	Did not handle data	418	9.9
11	Not working at that time	0	0.0

Q13B_3   How did the organization (department) you belonged to 1 year ago, 10 years ago (2013), 20 years ago (2003), 30 years ago (1993), and 40 years ago (1983) store and utilize the data created? Please select the option that was most frequently used. When answering, please refer to the examples provided for each option.
Please answer for the situation in the department you belonged to 20 year ago: (Choose One)

		Obs	%
	Total	3416	100.0
1	Paper media (non-digital media)	786	23.0
2	Small Business Computer or Mini Computer	82	2.4
3	Computer hard drive	842	24.6
4	External storage device	403	11.8
5	In-house servers, etc.	667	19.5
6	Data center	63	1.8
7	Cloud service	25	0.7
8	Other*	20	0.6
9	Don't know	174	5.1
10	Did not handle data	354	10.4
11	Not working at that time	0	0.0

Q13B_4   How did the organization (department) you belonged to 1 year ago, 10 years ago (2013), 20 years ago (2003), 30 years ago (1993), and 40 years ago (1983) store and utilize the data created? Please select the option that was most frequently used. When answering, please refer to the examples provided for each option.
Please answer for the situation in the department you belonged to 30 year ago: (Choose One)

		Obs	%
	Total	2177	100.0
1	Paper media (non-digital media)	966	44.4
2	Small Business Computer or Mini Computer	102	4.7
3	Computer hard drive	320	14.7
4	External storage device	230	10.6
5	In-house servers, etc.	141	6.5
6	Data center	30	1.4
7	Cloud service	12	0.6
8	Other*	21	1.0
9	Don't know	117	5.4
10	Did not handle data	238	10.9
11	Not working at that time	0	0.0

Q13B_5   How did the organization (department) you belonged to 1 year ago, 10 years ago (2013), 20 years ago (2003), 30 years ago (1993), and 40 years ago (1983) store and utilize the data created? Please select the option that was most frequently used. When answering, please refer to the examples provided for each option.
Please answer for the situation in the department you belonged to 40 year ago: (Choose One)

		Obs	%
	Total	1019	100.0
1	Paper media (non-digital media)	559	54.9
2	Small Business Computer or Mini Computer	44	4.3
3	Computer hard drive	65	6.4
4	External storage device	49	4.8
5	In-house servers, etc.	34	3.3
6	Data center	11	1.1
7	Cloud service	3	0.3
8	Other*	8	0.8
9	Don't know	44	4.3
10	Did not handle data	87	8.5
11	Not working at that time	115	11.3