

تعمر Japanese National Innovation Survey 2018 Questionnaire

Corporate Number (Please fill	in the 13-digit "Corporate N	 This This Plea In tl mat Plea Res in (l Pleas We m 	s survey targets s survey will be t ase therefore fill his survey, "year tion is not availa ase submit a fill ponse to the que http://www.niste se provide detai hay contact with	all the entern used for statis in accurate inf "refers to "ca ible for the ca ed-in questio estionnaire is ep.go.jp/jnis2(Is of a person	prises, including the tical purposes only formation. Ilendar year". For e Iendar year, your r Innaire by Friday, 2 available on the int 2018).	he enterpri y, and will n example, "20 esponse ma <u>21st Decem</u> ternet. Pleas	e log in with your ID and P	ed any inn es that ma t January 2 ear defined Password a	ovations. y cause conc 2017 to 31st D l in your ente fter accessing	ecember 2 rprise's acc	017". If infor- ounting.
		Phone	e			E-mail					
1 Enterprise Group ^{*1} (as					*1) In this survey	"optorpriso gr	oup" of your firm refers to your er		oll as a group cor	sisted of your	r parent compa
1-1 As of the end of 2017, Please tick (✓) one circle ○ will Part of an enterprise group will Part of an enterprise group will Stand-alone, with no part of	here it is applicable. vith the head office locate vith the head office locate	d in Japan d in a foreign cou i	ntry O]	ny and your or one contro which is own	subsidiaries. "P olling the man ned by your en try in which	arent company" is defined as an agement of your enterprise. "Sub terprise, or one the management the head office is located	enterprise ov osidiary" is de of which is c	vning a majority fined as an enter ontrolled by you	of all votes of prise a majori r enterprise.	your enterprise,
Please answer all the followi	ing questions only for	your enterprise	; Do not includ	e results for	all other enterpris	ses of the g	group.				
2 Persons Employed, e	etc. *2						3 Total Turnover fr	om Good	s or Service	s (except \	/AT)*4
2-1 Number of persons employed (an 2015	Inual average or the number as of the end of persons		2017	Approx.	no completed tertiary		2015		10B 10B 1B 100M	10M 1M	llion yen
2017 *2) In this survey, "persons employed" refers to all working pec dispatched to a separately managed enterprise such as an who do not receive wages or salaries (including salaries in from a separately managed enterprise such as another con *3) In this survey, "persons who completed tertiary educatio equivalent degrees earned in foreign countries: Doctoral D of a master course), Professional Degree ("Juris Doctor," "Ma in a law school, a graduate school of teacher education, or university), Associate Degree (graduation from a junior co Diploma (graduation from a post-secondary course with m ma (graduation from a post-secondary course with two or	other company or subcontractor. In contrast, it do kind) from the enterprise -the persons who are la ppany or subcontractor - even if they work at the er n" refers to those who hold any of the following legree (completion of a doctorate course), Master's ster of Education," Master (Professional), etc.) (com a professional graduate school), Bachelor's Degree legnet, Bacotate (graduation from a college of tec nore than four years in a specific professional traini	e who are loaned or saned or dispatched terprise. 2–4 Degree (completion oletion of a program (graduation from an hnology), Advanced ng college) or Diplo-	course in a gradua 2017 To 2-2, the ratio of	Approx.	vho completed maste % no hold a doctoral deg ed a doctoral degree by %	Iree	2017 *4) Please report "ordinary revenue miums and other" or "net premi 4 Foundation Year *5) In this survey, "foundation year" information is not available, "est legal personality of your enterprese registration. In general, "foundation description of the survey of th	iums written" if y • (the year refers to the year tablishment yea rise as of the enc	our enterprise is an of starting b (the Chi r of starting busines (" can be used inste l of 2017 was entitled	ution. Please rep insurance comp usiness ac ristian Era) s activities for yc ad. It refers to th d by the Comme	any. tivities) ^{*5} bur enterprise. If this e year in which the rcial and Corporate
Please answer all the followi	ing questions for your	business during	the three year	rs from 2015	i to 2017.						
	the enterprise sold products o vhere they are applicable con			om 2015 to 2017)			npetitive situation of goods or set) where it is applicable as the degree				17)
	[a] [b]	[c] [d]] [e]	[f]			_		Impacted		Not
	Japan China (excluding Taiwan) k	ASEAN, Nor Corea, Taiwan Ame		Others				Impact: High	Impact: Moderate	Impact: Low	Impacted
					(a) Quickly ou		ical development in a main market	0	0	0	0
5-2 Number of competito	rs on goods or services	during the three y	ears from 2015 to	o 2017)			ervices with those of competitors	0	0	0	0
	ere it is applicable as the number				\		e to the entry of new competitors	\bigcirc	0	0	0
	0 1-4	5–9 10–	14 15–49	50 or more	(e) Difficult pr	ediction of	competitors' actions	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(a) Japan	\circ	0 0		0	(f) Difficult pr	ediction of	demand	\bigcirc	\bigcirc	\bigcirc	0
(b) Foreign countries	0 0	0 0) ()	0	(g) Strong con	npetition fr	om abroad	<u> </u>	O	<u> </u>	<u> </u>
	edge Flows conomic performance (nere it is applicable as the degree	of focus in <u>each</u> of the st	trategies (a) to (j).	2017)	6-2 Activitie Please tick	s concernir (√) <u>one</u> circle	n g intellectual property ri ○ of either "Yes" or "No" in <u>each</u>	ghts (durin of the activi	g the three ye ties (a) to (l).		
		Adop	oted	– Not		. (Yes	No
		Fully Moder	rately Very little	adopted	(a) Application	-				0	0
(a) Improving your existing	goods or services	0 0		0	(b) Registratio		ustrial design right			0	0
(b) Introducing new goods				0	(d) Exercise of					0	0
(c) Low-price of goods or se		0 0		0			or prevention of copyright	t infringen	nent	0	0
(d) High-quality of goods o	r services	0 C		0	(f) Use of trad	le secrets		-		0	0
(a) A hyperdynamic of models		\bigcirc			Licence out	f in a	tollactual property rights (IPPs) (a atomt windate	in all saturial allo		

	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(e) A broad range of goods or services	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(f) Small number of key goods or services	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(g) Satisfaction of established customers	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(h) Reaching out to new customer groups	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(i) Standardised goods or services	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(j) Customer-specific solutions (goods or services)	\bigcirc	\bigcirc	\bigcirc	\bigcirc

6-3 Channels to acquire knowledge (during the three years from 2015 to 2017) Please tick (✓) <u>one</u> circle ○ where it is applicable as the degree of importance in <u>each</u> of the channels (a) to (h).

	_		Used		Not
		Importance: High	Importance: Moderate	Importance: Low	used
(a) Conferences, trade fairs or exhibitions	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(b) Scientific / technical journals or trade publications (including business magazines and trade presses)	\bigcirc	\bigcirc	\bigcirc	\bigcirc
	c) Professional or industry associations	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(d) Published patents	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(e) Standardisation documents	\bigcirc	\bigcirc	\bigcirc	\bigcirc
	f) Social networks, web-based platforms or crowd-sourcing	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(g) Open platforms or open-source software	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(h) Reverse engineering	\bigcirc	0	\bigcirc	\bigcirc

(f)	Use of trade secrets		C)	\bigcirc
(g)	License-out of your own intellectual property rights (IPRs) (patent rights, isign rights, copyrights, trademark rights, trade secrets, <i>etc.</i>) to others	industrial	de-		0
(h)	Sell (or transfer) of your own IPRs to others		C)	\bigcirc
(i)	Exchange of your own IPRs to others (cross-licensing, poolin	g, <i>etc</i> .)	C		\bigcirc
(j)	Purchase or license-in of IPRs from private business enterprises or individu	uals	C)	0
(k)	Purchase or license-in of IPRs from universities or other higher education is	institutio	ns 🤇		\bigcirc
(I)	Purchase or license-in of IPRs from public research institutes		C)	\bigcirc
7	Business and Organisational Management				
7 7-1	 Business and Organisational Management Business and organisational management (during the th Please tick (✓) one circle ○ where it is applicable as the degree of importance in each of th 				
7	Business and organisational management (during the th	ne business a		nal manager	
7	Business and organisational management (during the th	ne business a	and organisatio	nal manager	nent (a) to (g).
7 7-1 (a)	Business and organisational management (during the th	ne business a	and organisatio Executed	nal manager	nent (a) to (g). Not
7 7-1 (a) (b)	Business and organisational management (during the th Please tick (✓) <u>one</u> circle ○ where it is applicable as the degree of importance in <u>each</u> of th Planned job rotation of staff across different functional areas	ne business a	and organisatio Executed	nal manager	nent (a) to (g). Not
	Business and organisational management (during the th Please tick (<) <u>one</u> circle () where it is applicable as the degree of importance in <u>each</u> of th Planned job rotation of staff across different functional areas	ne business a	and organisatio Executed	nal manager	nent (a) to (g). Not

(e) Reflection of **R&D performance in personnel evaluation of researchers and engineers**

(f) Application of **compensation system for employee inventions**

(g) Re-employment of compulsorily retired researchers or engineers

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Please turn over.

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0 0

8 New or Improved Goods or Services				Please fill in 8-2 if any answer in 8-1 (a) or (b) is "Yes".
8-1 New or improved goods or services ^{*6} which have been introduced on the m	narket by your enterprise (during	ig the three years fro	om 2015 to 2017)	
Please tick (\checkmark) <u>one</u> circle \bigcirc of either "Yes" or "No" in <u>each</u> of (a) and (b).		Yes	No	Concerning the good or service for which any answer in 8-1 (a) or (b) is "Yes", what was the most impor goods or services for your enterprise? Please select one from them, and briefly explain about it.
(a) A new or improved good which has been introduced on the market	: (include diaital goods)		\bigcirc	
(b) A new or improved service which has been introduced on the market		0	0	
*6) In this survey, "a new or improved good (service)" refers to the one that differs significantly from your enterprise's previous goods (serv	J			
(service) that is new to the firm . It includes the one that differs significantly from your enterprise's previous good (service) even if it is the	same one as the good (service) that has already bee	en introduced on the market	t by other enterprises.	
Please fill in 8-3 and 8-4 if any answer in 8-1 (a) or (b) is "Ye				
8-3 Novelty of and turnover from new or improved goods or s Concerning <u>all</u> the goods or services for which any answer in 8-1 (a) or (b) is "Yes		ore they are applied	able in (v) and (8-4 Organisation(s) developed new or improved goods or services (y), (during the three years from 2015 to 2017)
and fill in the proportions of turnover in 2017, respectively.				Concerning the good or service for which any answer in 8-1 (a) or (b) is "Yes", please tick (<) all boxes 🗌 wh
	Yes (during the three years from 2015 to 2017)	Proportion (in 2017		they are applicable in [a] to [d].
New or improved goods or services introduced on the market by your enterprise that w		(In 2017	_	[a] Your enterprise by itself
(x) not previously offered by any of your competitors			%	[b] Your enterprise jointly with other enterprises or organisations*7
(y) New or improved goods or services introduced on the market by your enterprise that w		-	%	[C] Your enterprise by adapting or modifying products originally developed by other enterprises or organisations
identical or very similar to the goods or services already offered by your competitors	5			[d] Other enterprises or organisations
(z) The other goods or services except (x) and (y) above (including unchanged or only marginally modified products, and the resale of products purchased from other e	enterprises) (z)=100-[(x)+	+(y)]	%	*7) "Other enterprises or organisations" include other enterprises within your enterprise group (subsidiaries, firm that control
	Total turnover in 20	17 1 0	0 %	whole enterprise group <i>etc.</i>), universities, public research institutions, and non-profit organisations, <i>etc.</i> as well as other er prises managed separately.
New or Improved Business Processes			2015	Please fill in 9-2 if any answer in 9-1 (a) to (g) is "Yes".
9-1 New or improved business processes ¹⁸ which have been implemented wit Please tick (<i>J</i>) <u>one</u> circle \bigcirc of either "Yes" or "No" in <u>each</u> of the business proce	thin your enterprise (during the resses (a) to (a)	e three years from	2015 to 2017)	9-2 Organisation(s) developed new or improved business processes (during the three years from 2015 to 2017)
	(y).	Yes	No	Concerning the business processes for which any answer in 9-1 (a) to (g) is "Yes", please tick (\checkmark) all boxe
(a) New or improved methods for producing goods or providing services (including methods for developing goods or services) wh	ich have been implemented within the enterprise		\bigcirc	where they are applicable in [a] to [d].
(b) New or improved logistics, delivery or distribution methods which have been implemented within the		0	0	[a] Your enterprise by itself
(c) New or improved methods for information processing or communication which have been implement		0	0	[b] Your enterprise jointly with other enterprises or organisations*9
(d) New or improved methods for accounting or other administrative operations which have been impl		0	0	[c] Your enterprise by adapting or modifying products originally developed by other enterprises or organisations
(e) New or improved business practices for organising procedures or external relations which have bee		0	0	[d] Other enterprises or organisations
(f) New or improved methods of organising work responsibility, decision making or human resource management which New or improved marketing methods for promotion, packaging, pricing, product placement or aff		0	0	*9) "Other enterprises or organisations" include other enterprises within your enterprise group (subsidiaries, firm that control
(g) New or improved marketing methods for promotion, packaging, pricing, product placement or an plemented within the enterprise	ter sales services which have been im-	0	\bigcirc	whole enterprise group <i>etc.</i>), universities, public research institutions, and non-profit organisations, <i>etc.</i> as well as other er prises managed separately.
*8) In this survey, "a new or improved business process" refers to a new business process for one or me				evious business processes and that has been brought into use in your enterprise. The new or improved
				if it is the same one as the business process that has already been implemented in other enterprises.
5	•		•	ementation of "a New or Improved Business Process" (9-1) (Innovation Activiti
Status of activities for realising the introduction of "a new or improved good Please tick () one circle () of either "Yes" or "No" in each of (a) to (d). Please fil</th <th></th> <th></th> <th>v or improved b</th> <th>business process" (9-1) (hereinafter, "innovation activities") by your enterprise (during the three years from 2015 to 2</th>			v or improved b	business process" (9-1) (hereinafter, "innovation activities") by your enterprise (during the three years from 2015 to 2
Prease tick (*) <u>bite</u> circle (*) of entriel res of no in <u>each</u> of (a) to (u). Prease fill	No			Yes Expenditures in 2017 No
(a) Completed activities ^{*10}				100B_10B_1B_100M_10M_1M
(b) Ongoing activities as of the end of 2017		► (d-1) R&D p	performed	Think yer
			-	100B 10B 1B 100M 10M 1M
(c) Abandoned activities				a out to others (including other
(d) Research and experimental development (R&D) activities		(u-2) enter	prises in you	but to others (including other
	*10) 0	Completed activities	prises in you s include the real	a out to others (including other
(d) Research and experimental development (R&D) activities	*10) (Completed activities a new or improved	prises in you s include the real business process	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes".
(d) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others) Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Y 10-2 Types of innovation activities conducted by your enterprise	*10) C /es". Please go to 11-1 i	Completed activities a new or improved if all of the a	prises in you s include the real business process answers in 117) 10-3	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes". n 10-1 (a) to (d) are "No". Public financial support received by your enterprise for innovation activities (during the three years from 2015 to 20
(d) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others) Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Y 10-2 Types of innovation activities conducted by your enterprise Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (f).	*10) C *10) C	(u ²²⁾ enter Completed activities 'a new or improved if all of the a om 2015 to 20	prises in you s include the real business process answers in 117) 10-3	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes". n 10-1 (a) to (d) are "No". Public financial support received by your enterprise for innovation activities (during the three years from 2015 to 20 Please tick (✓) <u>one circle</u> () of either "Yes" or "No" in <u>each</u> of (a) to (c).
(d) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others) Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Y 10-2 Types of innovation activities conducted by your enterprise Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (f). Forrealising the introduction of "anew or improved good or service" or the implementation of "a new or improved business process", did you contemported business process.	*10) C *10) C	Completed activities a new or improved if all of the a	prises in you s include the real business process answers in 117) 10-3	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes". n 10-1 (a) to (d) are "No". Public financial support received by your enterprise for innovation activities (during the three years from 2015 to 20 Please tick (~) one circle () of either "Yes" or "No" in each of (a) to (c). Yes No
(d) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others) Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Y 10-2 Types of innovation activities conducted by your enterprise Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (f).	*10) C *10) C	(u ²²⁾ enter Completed activities 'a new or improved if all of the a om 2015 to 20	prises in you s include the real business process answers in 117) 10-3 (a) Pu	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes". n 10-1 (a) to (d) are "No". Public financial support received by your enterprise for innovation activities (during the three years from 2015 to 20 Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (c). Yes No Public financial support *12 from local public authorities". ○
 (d) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others) Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Y 10-2 Types of innovation activities conducted by your enterprise Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (f). Forrealising the introduction of "anew or improved good or service" or the implementation of "a new or improved business process", did yo (a) Engineering, design and other creative work activities (e.g. a shape, appearance or usability of goods or services) (b) Marketing and brand equity activities (e.g. market research and lated to the service of the serv	*10) C *10) C	(u ²²⁾ enter Completed activities 'a new or improved if all of the a om 2015 to 20	prises in you sinclude the real business process answers in 17) 10-3 (a) Pu (b) Publi	alisation of the introduction of "a new or improved good or service" (8-1) or the implementation of ss" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes". n 10-1 (a) to (d) are "No". Public financial support received by your enterprise for innovation activities (during the three years from 2015 to 20 Please tick (√) one circle () of either "Yes" or "No" in each of (a) to (c). Yes No Public financial support *12 from local public authorities *11 ()
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	Hampered		Not	
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(a) Lack of internal finance	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(b) Lack of credit or private equity by financial institutions or investors	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(c) Difficulties in obtaining public grants or subsidies	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(d) Too high costs for innovation activities	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(e) Lack of skilled employees within your enterprise	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(f) Lack of collaboration partners such as other enterprises or organisations	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(g) Lack of rights and opportunites for accessing to external knowledge	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(h) Uncertain market demand for your enterprise's ideas	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(i) Too much competition in your enterprise's market	\bigcirc	\bigcirc	\bigcirc	\bigcirc
(j) Different priorities within your enterprise (Other priorities over innovation activities)	0	0	0	0
2 Legislation or Regulation Affecting Innovation	Activities	;		
2-1 Legislation or regulation affecting innovation act Please tick (✓) <u>all</u> boxes □ where they are applicable in [a] to [e box "Having no effects" only.				