



Japanese National Innovation Survey 2020 Questionnaire

- This survey is conducted as the General Statistical Survey pursuant to the Statistics Act (Act No.53 of 2007).
- **This survey targets all the enterprises, including the enterprises that have never realised any innovations.**
- This survey will be used for statistical purposes only, and will not be used for any purposes that may cause concern to the respondents. Please therefore fill in accurate information.
- **In this survey, "year" refers to "calendar year". For example, "2019" is the period "from 1st January 2019 to 31st December 2019". If information is not available for the calendar year, your response may cover the latest fiscal year defined in your enterprise's accounting.**
- **Please submit a filled-out questionnaire by Monday, 30th November 2020.**
- **Response to this survey is available by the online response system (<https://www.nistep.go.jp/jnis2020>), or by posting a filled-out questionnaire.** Please log in the online response system with your ID and Password above.

Please provide details of a person in charge of responding to this questionnaire.

We may contact with the person if there are any inquiries regarding the information replied on this questionnaire.

Name	Division	Job title
Phone	E-mail	

Corporate Number (Please fill in the 13 digit "Corporate Number")

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1 Enterprise Group^{*1} (as of the end of 2019)

1-1 As the end of 2019, was your enterprise part of an enterprise group?

Please tick (✓) one circle ○ where it is applicable.

Part of enterprise group with the head office located in Japan	<input type="radio"/>
Part of enterprise group with the head office located in a foreign country	<input type="radio"/>
Stand-alone , with no part of enterprise group (no parent and subsidiary)	<input type="radio"/>

*1) In this survey, "enterprise group" of your firm refers to your enterprise as well as a group consisted of your parent company and your subsidiaries. "Parent company" is defined as an enterprise owning a majority of all votes of your enterprise, or one controlling the management of your enterprise. "Subsidiary" is defined as an enterprise a majority of all votes of which is owned by your enterprise, or one the management of which is controlled by your enterprise.

1-2 Country in which head office is located (as of the end of 2019)

Country name

Please answer all the following questions **only for your enterprise**; Do not include results for all other enterprises of the group.

2 Persons employed, etc.^{*2}

2-1 Number of persons employed (annual average or the number as of the end of the calendar year)

2017 persons

2019 persons

2-2 To 2-1, the ratio of the persons who completed tertiary education^{*3}

2019 Approx. %

2-3 To 2-2, the ratio of the persons who completed master or doctoral course in a graduate school

2019 Approx. %

2-4 To 2-2, the ratio of the persons who hold a doctoral degree (completed doctoral course or earned a doctoral degree by dissertation)

2019 Approx. %

*2) In this survey, "persons employed" refers to all working people who belong to the enterprise. It includes those who are loaned or dispatched to a separately managed enterprise such as another company or subcontractor. In contrast, it does not include those who do not receive wages or salaries (including salaries in kind) from the enterprise -the persons who are loaned or dispatched from a separately managed enterprise such as another company or subcontractor- even if they work at the enterprise.

*3) In this survey, "persons who completed tertiary education" refers to those who hold any of the following degrees or titles or equivalent degrees earned in foreign countries: Doctoral Degree (completion of a doctorate course), Master's Degree (completion of a master course), Professional Degree ("Juris Doctor", "Master of Education", "Master (Professional)", etc.) (completion of a program in a law school, a graduate school of teacher education, or a professional graduate school), Bachelor's Degree (graduation from an university), Associate Degree (graduation from a junior college), Associate (graduation from a college of technology), Advanced Diploma (graduation from a post-secondary course with more than four years in a specific professional training college) or Diploma (graduation from a post-secondary course with two or three years in a specific professional training college).

3 Total Turnover from Goods or Services (except VAT)^{*4}

2017 million yen

2019 million yen

*4) Please report "ordinary revenue" if your enterprise is a financial institution. Please report "insurance premiums and other" or "net premiums written" if your enterprise is an insurance company.

4 Foundation Year (the year of starting business activities)^{*5}

(the Christian Era)

*5) In this survey, "foundation year" refers to the year of starting business activities for your enterprise. If this information is not available, "establishment year" can be used instead. It refers to the year in which the legal personality of your enterprise as of the end of 2017 was entitled by the Commercial and Corporate Registration. In general, "foundation year" sometimes differs from "establishment year".

Please answer all the following questions for **your business during the three years from 2017 to 2019, your status in 2019, or your activities for responding to the novel coronavirus (COVID-19) infection in 2020.**

5 Market Environment

5-1 Countries or regions in which the enterprise sold products or delivered services (during the three years from 2017 to 2019)

Please tick (✓) all boxes where they are applicable concerning the countries or regions [a] to [f].

[a] Japan	[b] China (excluding Taiwan)	[c] ASEAN, Korea, Taiwan	[d] North America	[e] EU, EFTA, UK	[f] Others
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5-2 Number of competitors on goods or services (during the three years from 2017 to 2019)

Please tick (✓) one circle ○ where it is applicable as the number of competitors on goods or services in each of the areas (a) and (b).

	0	1-4	5-9	10-14	15-49	More than 50
(a) Japan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) Foreign countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5-3 Factors affecting the competitive situation of goods or services (during the three years from 2017 to 2019)

Please tick (✓) one circle ○ where it is applicable as the degree of impact in each of the factors (a) to (h).

	Impacted			Not Impacted
	Impact: High	Impact: Moderate	Impact: Low	
(a) Quickly outdated goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) Difficult prediction of future technological development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) Substitution of your goods or services with those of competitors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) Threatened market position due to the entry of new competitors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) Difficult prediction of competitors' actions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) Difficult prediction of change in demand	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) Strong competition from abroad	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(h) Price increases lead to loss of clients	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6 Strategies and Knowledge Flows

6-1 Strategies to the economic performance^{*6} (during the three years from 2017 to 2019)

Please tick (✓) one circle ○ where it is applicable as the degree of focus in each of the strategies (a) to (j).

	Adopted			Not adopted
	Importance: High	Importance: Moderate	Importance: Low	
(a) Improving your existing goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) Introducing new goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) Low-price of goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) High-quality of goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) A broad range of goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) Small number of key goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) Satisfaction of established customers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(h) Reaching out to new customer groups	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(i) Standardised goods or services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(j) Customer-specific solutions (goods or services)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

*6) Economic performance refers to the results of corporate activities such as firm size-growth (sales and employment growth), profit margins and return on capital, and market share, etc.

6-3 Channels to acquire knowledge (during the three years from 2017 to 2019)

Please tick (✓) one circle ○ where it is applicable as the degree of importance in each of the channels (a) to (h).

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

6-2 Activities concerning intellectual property rights (during the three years from 2017 to 2019)

Please tick (✓) one circle ○ of either "Yes" or "No" in each of the activities (a) to (k).

	Yes	No
(a) Apply for a patent	<input type="radio"/>	<input type="radio"/>
(b) Register an industrial design right	<input type="radio"/>	<input type="radio"/>
(c) Register a trademark	<input type="radio"/>	<input type="radio"/>
(d) Exercise a copyright (specify works as your enterprise's rights)	<input type="radio"/>	<input type="radio"/>
(e) Use trade secrets (to ensure legal protections, keep confidential important technological or commercial information)	<input type="radio"/>	<input type="radio"/>
(f) License out its own intellectual property rights (IPRs)(patent, industrial design right, trademark, copy right, trade secrets, etc.) to others	<input type="radio"/>	<input type="radio"/>
(g) Sell (or assign) its own IPRs to others	<input type="radio"/>	<input type="radio"/>
(h) Exchange its own IPRs to others (pooling, cross-licensing, etc.)	<input type="radio"/>	<input type="radio"/>
(i) Purchase or license-in IPRs from private business enterprises or individuals	<input type="radio"/>	<input type="radio"/>
(j) Purchase or license-in IPRs from universities or other higher education institutions	<input type="radio"/>	<input type="radio"/>
(k) Purchase or license-in IPRs from public research organisations	<input type="radio"/>	<input type="radio"/>

6-4 Usage of digitalisation (during the three years from 2017 to 2019)

Please tick (✓) all boxes where they are applicable as the purpose of usage in each of the digitalisation [a] to [e]. However, if there is nothing applicable, please tick the box "Not used" only.

Purpose of usage	Used					Not used
	Improving existing goods or services	Introducing new goods or services	Process automation or cost reduction	Data analysis and collection, or decision support	Others	
[a] Internet of Things(IoT)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[b] Cloud computing services	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[c] Big data analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[d] Machine learning (AI)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[e] 3D printing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 New or Improved Goods or Services

7-1 New or improved goods or services⁷ which have been introduced on the market by your enterprise (during the three years from 2017 to 2019 and in 2020 for respond to COVID-19)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) and (b).

	[x] During the three years from 2017 to 2019		[y] To respond to COVID-19 in 2020	
	Yes	No	Yes	No
	(a) New or improved good which has been implemented on the market (include digital goods)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) New or improved service which has been implemented on the market (include digital services)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please fill in 7-2 if any answer in 7-1[x] (a) or (b) is "Yes".

7-2 Most important new or improved goods or services (during the three years from 2017 to 2019)
Concerning the good or service for which any answer in 7-1[x] (a) or (b) is "Yes", what was most important goods or services for your enterprise? Please select one from them, and briefly explain about it.

Please fill in 7-3 and 7-4 if any answer in 7-1[x] (a) or (b) is "Yes".

7-3 Novelty of and turnover from new or improved goods or services (in 2019)
Concerning all the goods or services for which any answer in 7-1[x] (a) or (b) is "Yes", please tick (✓) all boxes □ where they are applicable in (x) and (y), and fill in the proportions of turnover in 2019, respectively.

	Yes (During the three years from 2017 to 2019)		Proportion in total (in 2019)	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
(x) New or improved goods or services introduced on the market by your enterprise that were not previously offered by any of your competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
(y) New or improved goods or services introduced on the market by your enterprise that were identical or very similar to products already offered by your competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>
(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 enterprises)	(z)=100-[(x)+(y)]		<input type="text"/>	<input type="text"/>
Total turnover in 2019	1	0	0	%

7-4 Who developed new or improved goods or services (during the three years from 2017 to 2019)
Concerning the good or service for which any answer in 7-1[x] (a) or (b) is "Yes", please tick (✓) all boxes □ where they are applicable in [a] to [d].

[a] Your enterprise by itself	<input type="checkbox"/>
[b] Your enterprise together with other enterprises or organisations⁸	<input type="checkbox"/>
[c] Your enterprise by adapting or modifying products originally developed by other enterprises or organisations	<input type="checkbox"/>
[d] Other enterprises or organisations	<input type="checkbox"/>

⁸ "Other enterprises or organisations" include other enterprises within your enterprise group (subsidiaries, firm that control the whole enterprise group etc), universities, public research institutions, and non-profit organisations, etc. as well as other enterprises managed separately.

8 New or Improved Business Process

8-1 New or improved business processes⁹ which have been implemented within the your enterprise (during the three years from 2017 to 2019 and in 2020 for respond to COVID-19)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of the business processes (a) to (g).

	[x] During the three years from 2017 to 2019		[y] To respond to COVID-19 in 2020	
	Yes	No	Yes	No
	(a) New or improved methods for producing goods or providing services (including methods for developing goods or services) which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) New or improved logistics, delivery or distribution methods which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) New or improved methods for information processing or communication which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) New or improved methods for accounting or other administrative operations which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) New or improved business practices for organising procedures or external relations which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) New or improved methods of organising work responsibility, decision making or human resource management which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) New or improved marketing methods for promotion, packaging, pricing, product placement or after sales services which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please fill in 8-2 if any answer in 8-1[x] (a) to (g) is "Yes".

8-2 Who developed new or improved goods or services (during the three years from 2017 to 2019)
Concerning the business process for which any answer in 8-1[x] (a) to (g) is "Yes", please tick (✓) all boxes □ where they are applicable in [a] to [d].

[a] Your enterprise by itself	<input type="checkbox"/>
[b] Your enterprise together with other enterprises or organisations¹⁰	<input type="checkbox"/>
[c] Your enterprise by adapting or modifying products originally developed by other enterprises or organisations	<input type="checkbox"/>
[d] Other enterprises or organisations	<input type="checkbox"/>

¹⁰ "Other enterprises or organisations" include other enterprises within your enterprise group (subsidiaries, firm that control the whole enterprise group etc), universities, public research institutions, and non-profit organisations, etc. as well as other enterprises managed separately.

9 Activities for Realising the Introduction of "a New or Improved Good or Service" (7-1) [x] or the Implementation of "a New or Improved Business Process" (8-1) [x] (Innovation Activities)

9-1 Types of activities conducted by your enterprise for realising the introduction of "a new or improved good or service" (7-1) [x] or the implementation of "a new or improved business process" (8-1) [x] (hereinafter, "innovation activities") (during the three years from 2017 to 2019)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (g). Please fill in (g-1) and (g-2) if the answer in (g) is "Yes".

	Yes	No
(a) Engineering, design and other creative work activities (e.g. activities to alter the shape, appearance or usability of goods or services)	<input type="radio"/>	<input type="radio"/>
(b) Marketing and brand equity activities (e.g. market research and launch advertising for the introduction of new or significantly improved products or services onto your enterprise's market)	<input type="radio"/>	<input type="radio"/>
(c) IP-related activities	<input type="radio"/>	<input type="radio"/>
(d) Employee training activities	<input type="radio"/>	<input type="radio"/>
(e) Software development and database activities	<input type="radio"/>	<input type="radio"/>
(f) Acquisition or lease of building, equipment, machine, or other tangible assets	<input type="radio"/>	<input type="radio"/>
(g) Research and experimental development (R&D) activities (including performing in-house R&D and contract-out R&D to others)	<input type="radio"/>	<input type="radio"/>

	Yes	Expenditures in 2019	No												
(g-1) R&D performed in-house	<input type="radio"/>	<table border="1"> <tr> <td>100B</td> <td>10B</td> <td>1B</td> <td>100M</td> <td>10M</td> <td>1M</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> million yen	100B	10B	1B	100M	10M	1M	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/>
100B	10B	1B	100M	10M	1M										
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>										
(g-2) R&D contracted out to others (including other enterprises in your enterprise group)	<input type="radio"/>	<table border="1"> <tr> <td>100B</td> <td>10B</td> <td>1B</td> <td>100M</td> <td>10M</td> <td>1M</td> </tr> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> million yen	100B	10B	1B	100M	10M	1M	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="radio"/>
100B	10B	1B	100M	10M	1M										
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>										

9-2 Innovation activities that did not lead to the introduction of "a new or improved good or service" or the implementation of "a new or improved business process" (during the three years from 2017 to 2019)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (c).

	Yes	No
(a) Ongoing activities as of the end of 2019 ¹¹	<input type="radio"/>	<input type="radio"/>
(b) Abandoned or suspended activities¹²	<input type="radio"/>	<input type="radio"/>
(c) Completed activities¹³	<input type="radio"/>	<input type="radio"/>

¹¹ "Ongoing activities" are innovation activities that were not completed as of the end of 2019 and will be continued in 2020.

¹² "Abandoned or suspended activities" are innovation activities that were discontinued either with plans to resume the activity later (suspended activity) or without such plans (abandoned activity).

¹³ "Completed activities" are innovation activities that were completed as of the end of 2019 but has not lead to the introduction of "a new or improved good or service" (7-1)[x] or the implementation of "a new or improved business process" (8-1)[x] by the end of 2019.

Please fill in 9-3 and 9-4 if any answer in 9-1 and 9-2 is "Yes". Please go to 10-1 if all of the answers in 9-1 and 9-2 are "No".

9-3 Public financial support received by your enterprise for innovation activities (during the three years from 2017 to 2019)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (c).

	Yes	No
(a) Public financial support ¹⁴ from local public authorities¹⁴	<input type="radio"/>	<input type="radio"/>
(b) Public financial support from the state (national government, national government administrative organs, or incorporated administrative agencies)¹⁶	<input type="radio"/>	<input type="radio"/>
(c) Tax credits from the state or local public authorities	<input type="radio"/>	<input type="radio"/>

¹⁴ In this survey, "local public authorities" include prefectural governments, municipal governments, and the institutes that are established, funded, and administered by prefectural or municipal governments.

¹⁵ In this survey, "financial support" includes grants, subsidies, subsidised loans, and loan guarantees (contracts of indemnity for losses). On the other hand, it excludes payment for activities under contract by institutes in the public sector.

¹⁶ In this survey, "the state (national government, national government administrative organs, incorporated administrative agencies, etc)" includes the Cabinet Office, ministries, agencies, incorporated administrative agencies, such as the Japan Science and Technology Agency (JST), the New Energy and Industrial Technology Development Organization (NEED), the National Institute of Information and Communications Technology (NICT), and the institutions, such as the Development Bank of Japan (DBJ) and the Japan Finance Corporation (JFC).

9-4 Co-operation with other enterprises or organisations by your enterprise for innovation activities (during the three years from 2017 to 2019)
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) and (b).

	Yes	No
(a) Co-operation in R&D activities (9-1 (g))	<input type="radio"/>	<input type="radio"/>
(b) Co-operation in other innovation activities (9-1 (a)-(f)) (excluding R&D)	<input type="radio"/>	<input type="radio"/>

Please fill in 9-5 if any answer in 9-4 (a) or (b) is "Yes".

9-5 Types and countries or regions of co-operation partner (during the three years from 2017 to 2019)
Concerning the activities for which any answer in 9-4 (a) or (b) is "Yes", please tick (✓) all boxes □ where they are applicable in the types and countries or regions of co-operation partner.

	Japan	China (excluding Taiwan)	ASEAN, Korea, Taiwan	North America	EU, EFTA, UK	Others
[a] Other enterprises in your enterprise group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other enterprises out of your enterprise group						
[b] Consultants , commercial labs, or private research institutes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[c] Suppliers of equipment, materials, components or software	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[d] Clients or customers that are private enterprises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[e] Competitors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[f] Other private enterprises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[g] Universities or other higher education institutions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[h] Government or public research institutes (e.g. national research and development agencies, and public experiment and research organisations; exclude the cases when those are clients or customers)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[i] Clients or customers in the public sector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[j] Private non-profit organisations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10 Effects of COVID-19 on Innovation Activities

10-1 Effects of COVID-19 on the innovation activities in your enterprise (in 2020)
Please tick (✓) all boxes □ where they are applicable in [a] and [b]. However, if there is nothing applicable, please tick the box "Not affected" only.

	Affected		Not affected
	Advanced	Hampered	
[a] Effects on R&D activities (9-1 (g))	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[b] Effects on other innovation activities (9-1 (a)-(f)) (excluding R&D)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11 Factors in Hampering Innovation Activities

11-1 Factors in hampering your enterprise's decision-making of commencing innovation activities, or in inhibiting your firm from conducting innovation activities (during the three years from 2017 to 2019)
Please tick (✓) one circle ○ where it is applicable as the degree of importance in each of the factors (a) to (j).

	Hampered			Not hampered
	Impact: High	Impact: Moderate	Impact: Low	
(a) Lack of internal finance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) Lack of credit or private equity by financial institutions or investors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) Difficulties in obtaining public grants or subsidies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) Too high costs for innovation activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) Lack of skilled employees within your enterprise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) Lack of collaboration partners such as other enterprises or organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) Lack of rights and opportunities for accessing to external knowledge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(h) Uncertain market demand for your enterprise's ideas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(i) Too much competition in your enterprise's market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(j) Different priorities within your enterprise (Other priorities over innovation activities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>