



# Japanese National Innovation Survey 2018 Questionnaire

- This survey is conducted as a 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, "2017" is the period "from 1st January 2017 to 31st December 2017". 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-in questionnaire by Friday, 21st December 2018.**
- Response to the questionnaire is available on the internet. Please log in with your ID and Password after accessing the guide page for log-in (<http://www.nistep.go.jp/jnis2018>).

### 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<sup>1</sup> (as of the end of 2017)

### 1-1 As of the end of 2017, was your enterprise part of an enterprise group?

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

Part of an enterprise group with the head office located in **Japan**

Part of an enterprise group with the head office located in a **foreign country**

**Stand-alone**, with no part of enterprise group (no parent and subsidiary)

\*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 the head office is located (as of the end of 2017)

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.<sup>2</sup>

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

2015         persons

2017         persons

### 2-2 To 2-1, the ratio of the persons who completed tertiary education<sup>3</sup>

2017 Approx.    %

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

2017 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)

2017 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)<sup>4</sup>

2015         million yen

2017         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)<sup>5</sup>

(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 2015 to 2017**.

## 5 Market Environment

### 5-1 Countries or regions in which the enterprise sold products or delivered services (during the three years from 2015 to 2017)

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

[a]	[b]	[c]	[d]	[e]	[f]
Japan	China (excluding Taiwan)	ASEAN, Korea, Taiwan	North America	EU & EFTA	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 2015 to 2017)

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	50 or more
(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 2015 to 2017)

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

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

## 6 Strategies and Knowledge Flows

### 6-1 Strategies to ensure economic performance (during the three years from 2015 to 2017)

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

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

### 6-2 Activities concerning intellectual property rights (during the three years from 2015 to 2017)

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

	Yes	No
(a) Application for a <b>patent</b>	<input type="radio"/>	<input type="radio"/>
(b) Registration of an <b>industrial design right</b>	<input type="radio"/>	<input type="radio"/>
(c) Registration of a <b>trademark</b>	<input type="radio"/>	<input type="radio"/>
(d) Exercise of a <b>copyright</b>	<input type="radio"/>	<input type="radio"/>
(e) Claim for a <b>cessation or prevention of copyright infringement</b>	<input type="radio"/>	<input type="radio"/>
(f) Use of <b>trade secrets</b>	<input type="radio"/>	<input type="radio"/>
(g) <b>License-out</b> of your own intellectual property rights (IPRs) (patent rights, industrial design rights, copyrights, trademark rights, trade secrets, etc.) to others	<input type="radio"/>	<input type="radio"/>
(h) <b>Sell</b> (or transfer) of your own IPRs to others	<input type="radio"/>	<input type="radio"/>
(i) <b>Exchange</b> of your own IPRs to others (cross-licensing, pooling, etc.)	<input type="radio"/>	<input type="radio"/>
(j) Purchase or license-in of IPRs from <b>private business enterprises or individuals</b>	<input type="radio"/>	<input type="radio"/>
(k) Purchase or license-in of IPRs from <b>universities or other higher education institutions</b>	<input type="radio"/>	<input type="radio"/>
(l) Purchase or license-in of IPRs from <b>public research institutes</b>	<input type="radio"/>	<input type="radio"/>

### 6-3 Channels to acquire knowledge (during the three years from 2015 to 2017)

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) <b>Conferences, trade fairs or exhibitions</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) <b>Scientific/technical journals or trade publications</b> (including business magazines and trade presses)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) <b>Professional or industry associations</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) <b>Published patents</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) <b>Standardisation documents</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) <b>Social networks, web-based platforms or crowd-sourcing</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) <b>Open platforms or open-source software</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(h) <b>Reverse engineering</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 7 Business and Organisational Management

### 7-1 Business and organisational management (during the three years from 2015 to 2017)

Please tick (✓) one circle  where it is applicable as the degree of importance in each of the business and organisational management (a) to (g).

	Executed			Not executed
	Importance: High	Importance: Moderate	Importance: Low	
(a) Planned <b>job rotation</b> of staff across different functional areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(b) Regular <b>brainstorming sessions</b> for staff to think about improvements that could be made within the business (TQM circle activities etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(c) <b>Cross-functional work groups or teams</b> (combined across different functions or working areas) (matrix organisations etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(d) Appointment as a <b>board member of a person who worked in an R&amp;D department</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(e) Reflection of <b>R&amp;D performance in personnel evaluation of researchers and engineers</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(f) Application of <b>compensation system for employee inventions</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
(g) Re-employment of <b>compulsorily retired researchers or engineers</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**8 New or Improved Goods or Services**

**8-1 New or improved goods or services<sup>6</sup> which have been introduced on the market by your enterprise** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) and (b).

	Yes	No
(a) A new or improved <b>good</b> which has been introduced on the market (include digital goods)	<input type="radio"/>	<input type="radio"/>
(b) A new or improved <b>service</b> which has been introduced on the market (include digital services)	<input type="radio"/>	<input type="radio"/>

<sup>6</sup>In this survey, "a new or improved good (service)" refers to the one that differs significantly from your enterprise's previous goods (services) and that has been introduced on the market. The new or improved good (service) means the good (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 been introduced on the market by other enterprises.

Please fill in 8-2 if any answer in 8-1 (a) or (b) is "Yes".

**8-2 The most important new or improved good or service** (during the three years from 2015 to 2017)  
Concerning the good or service for which any answer in 8-1 (a) or (b) is "Yes", what was the most important goods or services for your enterprise? Please select one from them, and briefly explain about it.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Please fill in 8-3 and 8-4 if any answer in 8-1 (a) or (b) is "Yes".

**8-3 Novelty of and turnover from new or improved goods or services** (in 2017)  
Concerning all the goods or services for which any answer in 8-1 (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 2017, respectively.

	Yes (during the three years from 2015 to 2017)	Proportion in total (in 2017)
(x) New or improved goods or services introduced on the market by your enterprise that were <b>not previously offered by any of your competitors</b>	<input type="checkbox"/>	<input type="text"/> %
(y) New or improved goods or services introduced on the market by your enterprise that were <b>identical or very similar to the goods or services already offered by your competitors</b>	<input type="checkbox"/>	<input type="text"/> %
(z) <b>The other goods or services except (x) and (y) above</b> (including unchanged or only marginally modified products, and the resale of products purchased from other enterprises)	(z)=100-[(x)+(y)]	<input type="text"/> %
<b>Total turnover in 2017</b>	<b>1 0 0</b>	<b>%</b>

**8-4 Organisation(s) developed new or improved goods or services** (during the three years from 2015 to 2017)  
Concerning the good or service for which any answer in 8-1 (a) or (b) is "Yes", please tick (✓) all boxes □ where they are applicable in [a] to [d].

[a] <b>Your enterprise by itself</b>	<input type="checkbox"/>
[b] Your enterprise <b>jointly with other enterprises or organisations<sup>7</sup></b>	<input type="checkbox"/>
[c] <b>Your enterprise by adapting or modifying</b> products originally developed by other enterprises or organisations	<input type="checkbox"/>
[d] <b>Other enterprises or organisations</b>	<input type="checkbox"/>

<sup>7</sup>"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 New or Improved Business Processes**

**9-1 New or improved business processes<sup>8</sup> which have been implemented within your enterprise** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of the business processes (a) to (g).

	Yes	No
(a) New or improved <b>methods for producing goods or providing services</b> (including methods for developing goods or services) which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(b) New or improved <b>logistics, delivery or distribution methods</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(c) New or improved <b>methods for information processing or communication</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(d) New or improved <b>methods for accounting or other administrative operations</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(e) New or improved <b>business practices for organising procedures or external relations</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(f) New or improved <b>methods of organising work responsibility, decision making or human resource management</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>
(g) New or improved <b>marketing methods for promotion, packaging, pricing, product placement or after sales services</b> which have been implemented within the enterprise	<input type="radio"/>	<input type="radio"/>

<sup>8</sup>In this survey, "a new or improved business process" refers to a new business process for one or more business functions that differs significantly from your enterprise's previous business processes and that has been brought into use in your enterprise. The new or improved business process means the business process that is new to your firm. It includes the one that differs significantly from your enterprise's previous business process even if it is the same one as the business process that has already been implemented in other enterprises.

Please fill in 9-2 if any answer in 9-1 (a) to (g) is "Yes".

**9-2 Organisation(s) developed new or improved business processes** (during the three years from 2015 to 2017)  
Concerning the business processes for which any answer in 9-1 (a) to (g) is "Yes", please tick (✓) all boxes □ where they are applicable in [a] to [d].

[a] <b>Your enterprise by itself</b>	<input type="checkbox"/>
[b] Your enterprise <b>jointly with other enterprises or organisations<sup>9</sup></b>	<input type="checkbox"/>
[c] <b>Your enterprise by adapting or modifying</b> products originally developed by other enterprises or organisations	<input type="checkbox"/>
[d] <b>Other enterprises or organisations</b>	<input type="checkbox"/>

<sup>9</sup>"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.

**10 Activities for Realising the Introduction of "a New or Improved Good or Service" (8-1) or the Implementation of "a New or Improved Business Process" (9-1) (Innovation Activities)**

**10-1 Status of activities for realising the introduction of "a new or improved good or service" (8-1) or the implementation of "a new or improved business process" (9-1) (hereinafter, "innovation activities") by your enterprise** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (d). Please fill in (d-1) and (d-2) if the answer in (d) is "Yes".

	Yes	No
(a) <b>Completed activities<sup>10</sup></b>	<input type="radio"/>	<input type="radio"/>
(b) <b>Ongoing activities</b> as of the end of 2017	<input type="radio"/>	<input type="radio"/>
(c) <b>Abandoned activities</b>	<input type="radio"/>	<input type="radio"/>
(d) <b>Research and experimental development (R&amp;D) activities</b> (including performing in-house R&D and contract-out R&D to others)	<input type="radio"/>	<input type="radio"/>

  

	Yes	Expenditures in 2017	No
(d-1) <b>R&amp;D performed in-house</b>	<input type="radio"/>	<input type="text"/> million yen	<input type="radio"/>
(d-2) <b>R&amp;D contracted out to others</b> (including other enterprises in your enterprise group)	<input type="radio"/>	<input type="text"/> million yen	<input type="radio"/>

<sup>10</sup>Completed activities include the realisation of the introduction of "a new or improved good or service" (8-1) or the implementation of "a new or improved business process" (9-1). Thus, completed activities are considered to have existed if any answer in 8-1 or 9-1 is "Yes".

Please fill in 10-2 to 10-5 if any answer in 10-1 (a) to (d) is "Yes". Please go to 11-1 if all of the answers in 10-1 (a) to (d) are "No".

**10-2 Types of innovation activities conducted by your enterprise** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (f).

For realising the introduction of "a new or improved good or service" or the implementation of "a new or improved business process", did your enterprise conduct...	Yes	No
(a) <b>Engineering, design and other creative work activities</b> (e.g. activities to alter the shape, appearance or usability of goods or services)	<input type="radio"/>	<input type="radio"/>
(b) <b>Marketing and brand equity activities</b> (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) <b>IP-related activities</b>	<input type="radio"/>	<input type="radio"/>
(d) <b>Employee training activities</b>	<input type="radio"/>	<input type="radio"/>
(e) <b>Software development and database activities</b>	<input type="radio"/>	<input type="radio"/>
(f) <b>Acquisition or lease of building, equipment, machine, or other tangible assets</b>	<input type="radio"/>	<input type="radio"/>

**10-3 Public financial support received by your enterprise for innovation activities** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) to (c).

	Yes	No
(a) Public financial support <sup>11</sup> from <b>local public authorities<sup>11</sup></b>	<input type="radio"/>	<input type="radio"/>
(b) Public financial support from the <b>state (national government, national government administrative organs, or incorporated administrative agencies)<sup>13</sup></b>	<input type="radio"/>	<input type="radio"/>
(c) <b>Tax credits</b> from the state or local public authorities	<input type="radio"/>	<input type="radio"/>

<sup>11</sup>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.  
<sup>12</sup>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.  
<sup>13</sup>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 (NEDO), 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).

**10-4 Co-operation with other enterprises or organisations by your enterprise for innovation activities** (during the three years from 2015 to 2017)  
Please tick (✓) one circle ○ of either "Yes" or "No" in each of (a) and (b).

	Yes	No
(a) Co-operation in <b>R&amp;D activities</b> (10-1 (d))	<input type="radio"/>	<input type="radio"/>
(b) Co-operation in <b>other innovation activities</b> (10-2 (a)-(f)) (excluding R&D)	<input type="radio"/>	<input type="radio"/>

Please fill in 10-5 if any answer in 10-4 (a) or (b) is "Yes".

**10-5 Types and countries or regions of co-operation partner** (during the three years from 2015 to 2017)  
Concerning the activities for which any answer in 10-4 (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	Others
[a] <b>Other enterprises in your enterprise group</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Other enterprises out of your enterprise group</b>						
[b] <b>Consultants, commercial labs, or private research institutes</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[c] <b>Suppliers of equipment, materials, components or software</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[d] <b>Clients or customers that are private enterprises</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[e] <b>Competitors</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[f] <b>Other private enterprises</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[g] <b>Universities or other higher education institutions</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Government or public research institutes</b> (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"/>
[h] <b>Clients or customers in the public sector</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[i] <b>Private non-profit organisations</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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 2015 to 2017)  
Please tick (✓) one circle ○ where it is applicable as the degree of importance in each of the factors (a) to (j).

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

Type of legislation or regulation	Having effects		Having no effects
	Facilitated innovation activities	Prevented or increased costs of innovation activities	
[a] <b>Product safety, consumer protection</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[b] <b>The environment</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[c] <b>Intellectual property</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[d] <b>Taxation</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
[e] <b>Employment, worker safety, or social insurance</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**12 Legislation or Regulation Affecting Innovation Activities**

**12-1 Legislation or regulation affecting innovation activities** (during the three years from 2015 to 2017)  
Please tick (✓) all boxes □ where they are applicable in [a] to [e]. However, if there is nothing applicable, please tick the box "Having no effects" only.