





# **UK Innovation Survey 2016 - 2018**

********* TEST PRINT *******	Please write any changes to your name and address in the box below, using black ink

To be completed for: THE BUSINESS NAMED ABOVE

# Please complete and return by 12 April 2019

Dear Sir or Madam,

Please find the questionnaire for the UK Innovation Survey attached. Please complete for the period 1 January 2016 to 31 December 2018. **If information is not available for calendar years, your return may cover the nearest financial years.** Once complete, the questionnaire can be returned by post or fax using the details in the box below.

Innovation is at the heart of government policy to promote economic growth and productivity improvement. The information collected on the extent and type of business innovation activities, enables policy to be better designed and also provides businesses with a means of benchmarking themselves. Survey results are available at www.gov.uk/government/collections/community-innovation-survey

#### Please note

Your response to this voluntary survey is of great value to government, whether or not you carry out innovation activities.

We request that you complete this questionnaire for the business named above. All the information you provide is kept strictly confidential. It is illegal for us to reveal your data or identify your business to unauthorised persons.

Thank you for your co-operation, Office for National Statistics

#### Questionnaire return details

To return via fax: 01633 652707

**To return via post:** Please use the prepaid envelope provided which is addressed to: Office for National Statistics, Government Buildings, Cardiff Road, Newport, NP10 8XG

#### **Contact numbers**

Er mwyn gwneud cais am ffurflen Gymraeg (To request a questionnaire in Welsh)

17 o complete the questionnaire in Euros

18 of any other queries, please contact UKIS Survey Team

19 of go to www.ons.gov.uk/surveys

10 of go to www.ons.gov.uk/surveys

10 of go to www.ons.gov.uk/surveys

10 of go to www.ons.gov.uk/surveys

## When contacting the office you may be asked for the following information

**Survey code:** 144 **Reference number:** 144 4990 0000 243T **Period:** 201812

Telephone calls may be recorded for training and quality purposes

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## **UK Innovation Survey**

#### Purpose of this survey:

The purpose of this survey is to collect information about innovation in the UK between 2016 - 2018. To be able to compare businesses with and without innovation activities, we ask all businesses to respond to **all** questions, unless otherwise instructed.

#### Information Required

Section A - General Business Information

Section B - Innovation Activities

Section C - Context for Innovation

Section D - General Economic Information

#### **Definition of Innovation**

Innovation, for the purpose of this survey, is defined as **new** or **significantly improved goods or services** and / or **processes** used to produce or supply all goods or services that the business has introduced, regardless of their origin. These may be new to the business or new to the market. Investments for future innovation and changes that the business has introduced at a **strategic** level (in organisation and practices) are also covered.

## **Basis for Completion**

Where precise figures cannot be provided please give your **best estimates**.

Please complete this questionnaire for the business named on the front page.

If this business is part of an enterprise group, please answer all questions for this business in the UK only. Do not include results for subsidiaries or parent enterprises.

#### Instructions

This questionnaire will be scanned, therefore please:

- complete in black ink.
- ensure letters and numbers are PRINTED and centred within each box



# **Section A - General Business Information**

During the 3 year period 1 January 2016 to 31 December 2018:

	_				
1.	in	which geographic markets did this business sell goods and / or services?	all that	apply	
	a.	UK regional within approximately 100 miles of this business	X	0210	MRY
	b.	UK national	X	0220	MRY
	c.	European countries	X	0230	MRY
	d.	All other countries	X	0240	MRY
2.	die	d any of the following significant events or changes occur to this business?	all that	apply	
	a.	The business was established	X	0410	MRY
	b.	Turnover increased by at least 10% due to merger with another business or part of it	X	0420	MRY
	c.	Turnover decreased by at least 10% due to sale or closure of part of the business	X	0430	MRY
	d.	None of the above	X	0440	MRY
Secti	on	B - Innovation Activities			
		ion covers changes in business strategy and practices; investments in current and future n and the introduction of new and improved goods, services or processes			
Busin	ess	s Strategy and Practices			
		Il <b>new</b> and <b>significantly improved</b> forms of organisation, business structures or practices aimed internal efficiency or the effectiveness of approaching markets and customers.			
3.		uring the 3 year period 1 January 2016 to 31 December 2018, d this business make major changes in the following areas?  Please	all that	apply	
	a.	New <b>business practices</b> for organising procedures (eg supply chain management, business re-engineering, knowledge management, lean production, quality management etc)	X	2310	MRY
	b.	New methods of <b>organising work responsibilities and decision making</b> (eg first use of a new system of employee responsibilities, team work, decentralisation, integration or de-integration of departments, education / training systems etc)	X	2320	MRY
	c.	New methods of <b>organising external relationships</b> with other firms or public institutions (eg first use of alliances, partnerships, outsourcing or sub-contracting etc)	X	2330	MRY
	d.	Implementation of changes to marketing concepts or strategies	X	2340	MRY
	e.	New logistics, delivery or distribution methods (eg transportation, service delivery, warehousing or order processing)	X	2350	MRY
	f.	New methods for <b>information processing</b> and <b>communication</b> , the maintenance and provision of information and communication systems (eg hardware, software, data processing, database, maintenance, repair, web-hosting and other computer related information activities)	X	2360	MRY
	g.	New methods for <b>accounting</b> and other <b>administrative operations</b> (eg accounting, book keeping, auditing, payments, other financial or insurance activities and procurement)	X	2370	MRY

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Innov	vation Investment		
4.1	During the 3 year period 1 January 2016 to 31 December 2018, did this business invest in any of the following, for the purposes of current or future innovation?	pply	
	a. Internal Research and Development  Creative work undertaken within your business that increases knowledge for developing new and improved goods or services and processes	1310	MRY
	b. Acquisition of Research and Development  Same activities as above, performed by companies, including other businesses within your group, or by public or private research organisations and purchased by your business	1320	MRY
	c. Acquisition of advanced machinery, equipment and software for innovation		
	Advanced machinery and equipment	1331	MRY
	Computer hardware	1332	MRY
	Computer software	1333	MRY
	d. Acquisition of existing knowledge  Purchase or licensing of patents and non-patented inventions, know-how and other types of knowledge from other businesses or organisations	1340	MRY
	e. Training for innovative activities  Internal or external training for your personnel, specifically for the development and / or introduction of innovations	1350	MRY
	f. All forms of design  Engagement in all design activities, including strategic, for the development or implementation of new or improved goods, services and processes.	1360	MRY
	g. Market introduction of innovations		
	Changes to product or service design	1371	MRY
	Market research	1372	MRY
	Changes to marketing methods	1373	MRY
	Launch advertising	1374	MRY
4.2	If 'Internal Research and Development' was selected at question 4.1, in which of the following years did this business invest in it?	pply	
	a. 2016	2675	MRY
	b. 2017	2676	MRY
	c. 2018	2677	MRY



5.	ple	or each of the main innovation related investments in question 4, ease ESTIMATE the amount of expenditure for the YEAR 2018 ON clude both internal costs and purchases from outside the busines												
	PΙ	ease round to the nearest £ thousand												
	a.	Internal Research and Development	£			],				, 0	0	0	1410	NFF
	b.	Acquisition of Research and Development	£			_], 				, 0	0	0	1420	NFF
	c.	Acquisition of advanced machinery, equipment and software	£			_], 				, 0	0	0	1430	NFF
	d.	Acquisition of existing knowledge	£			_], 				, 0	0	0	1440	NFF
	e.	Training for innovative activities	£			_], 				, 0	0	0	1450	NFF
	f.	All forms of design	£			_], 				, 0	0	0	1460	NFF
	g.	Market introduction of innovations	£							, 0	0	0	1470	NFF
Inclue The i	de a nnov dles	r Services Innovation Il new or significantly improved goods or services eg improvement invation, although new to this business, does not need to be new to the ris of their origin.  Iring the 3 year period 1 January 2016 to 31 December 2018, did the	marl				all p	oroc	luct	inno	ovatio			
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Include The iregar	de a nnov dles Du bu a. b. If Nov de a.	Il new or significantly improved goods or services eg improvement invation, although new to this business, does not need to be new to the ris of their origin.  Iring the 3 year period 1 January 2016 to 31 December 2018, did the siness introduce:  new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature	his For	ket.		 	Ple Ye	ease s	x X	all t	hat ap	0510 0520 only	1	MTU



Durin	g the 3 year period 1 January 2016 to 31 December 2018:				
8.	were any of your goods and services innovations:	Please X	all that ap	pply	
	<ul><li>a. new to your market?</li><li>This business introduced a new good or service to the market before competitors</li></ul>		X	0710	MRY
	b. only new to this business?				
	This business introduced a new good or service that was essentially the same as a goo or service already available from competitors		X	0720	MRY
9.	Please ESTIMATE the percentage of this business's total turnover in 2018 from goods and services that were:				
	a. new to the market in 2016-2018		% (	0810	NCE
	b. only new to this business in 2016-2018		<b>%</b> (	0820	NCE
	c. significantly improved in 2016-2018		% (	0830	NCE
	d. unchanged or only marginally modified Include the resale of goods or services purchased from other businesses		<b>%</b> (	0840	NCE
Proce	Total turnover 2018 ess Innovation	1 0	0 %		
The in	ss Innovations are all <b>new</b> or <b>significantly improved</b> methods for the production or supply inovation, although new to the business, does not need to be new to your industry. Include a dless of their origin.				
Durin	g the 3 year period 1 January 2016 to 31 December 2018:				
10.	did this business introduce any new or significantly improved processes for producing or supplying goods or services?				
	Yes X				
	No Please go to Question 13 ₀900				MRK
11.	were these processes developed mainly by:	Please X	all that a	pply	
	a. this business or enterprise group?		X	1010	MRY
	<b>b.</b> this business with other businesses or organisations?		X	1020	MRY
	c. other businesses or organisations?		X	1030	MRY
12.	did this business introduce any new or significantly improved processes for producing or supplying goods or services which were new to your industry?				
	Yes X				
	No X 1100				MRK



Duri	ng the 3 year period 1 January 2016 to 31 December 2018:					
13.	did this business have any innovation activities that were	9		Please	all that apply	
	<b>a.</b> abandoned?				X 1510	MRY
	b. scaled back?				1530	MRY
	c. still ongoing at the end of 2018?				1520	MRY
Duri	ng the 3 year period 1 January 2016 to 31 December 2018:					
14.	how important were the following factors in constraining innovation activities?		Please X one bo	ox for each o		
	imovation activities:	High	Medium	Low	Not Important	
	a. excessive perceived economic risks	X	X	X	X 2657	MRE
	<b>b.</b> direct innovation costs too high	X	X	X	X 2658	MRE
	c. cost of finance	X	X	X	X 2659	MRE
	d. availability of finance	X	X	X	X 2660	MRE
	e. lack of qualified personnel	X	X	X	X 2661	MRE
	f. lack of information on technology	X	X	X	X 2662	MRE
	g. lack of information on markets	X	X	X	X 2663	MRE
	h. market dominated by established businesses	X	X	X	X 2664	MRE
	i. uncertain demand for innovative goods or services	X	X	X	2665	MRE
	j. UK government regulations	X	X	X	X 2666	MRE
	k. EU regulations (including standards)	X	X	X	2667	MRE
	I. outcome of the EU referendum	X	X	X	X 2678	MRE



If you did not engage in any innovation activities in Section B (questions 3-14), please go to question 18

## **Section C - Context for Innovation**

15. During the 3 year period 1 January 2016 to 31 December 2018, how important were each of the following factors in your decision to innovate in goods or services and / or process(es)?

process(es)?  Please X one box for each category						
	High	Medium	Low	Not Important		
a. Increasing range of goods or services	X	X	X	1210	MRE	
<b>b.</b> Entering new markets	X	X	X	X 1211	MRE	
c. Increasing market share	X	X	X	X 1220	MRE	
d. Improving quality of goods or services	X	X	X	X <sub>1230</sub>	MRE	
e. Improving flexibility for producing goods or services	X	X	X	X 1240	MRE	
f. Improving capacity for producing goods or services	X	X	X	X 1250	MRE	
g. Increasing value added	X	X	X	X 1290	MRE	
h. Reducing costs per unit produced or provided	X	X	X	X 1260	MRE	
i. Improving health and safety	X	X	X	X 1270	MRE	
j. Reducing environmental impacts	X	X	X	1212	MRE	
k. Replacing outdated products or processes	X	X	X	X 1213	MRE	
I. Meeting regulatory requirements (including standards)	X	X	X	X 1280	MRE	

# During the 3 year period 1 January 2016 to 31 December 2018:

16.	how important to this business's innovation activities wa information from:	ox for each c	for each category			
	mormation nom.	High	Medium	Low	Not Important	
	a. within your business or enterprise group?	X	X	X	X 1601	MRE
	<b>b.</b> suppliers of equipment, materials, services or software?	X	X	X	X 1620	MRE
	c. clients or customers from the private sector?	X	X	X	1631	MRE
	d. clients or customers from the public sector?	X	X	X	X 1632	MRE
	e. competitors or other businesses in your industry?	X	X	X	X 1640	MRE
	f. consultants, commercial labs or private R&D institutes?	X	X	X	1650	MRE
	g. universities or other higher education institutes?	X	X	X	X 1660	MRE
	h. government or public research institutes?	X	X	X	X 1670	MRE
	i. conferences, trade fairs or exhibitions?	X	X	X	1680	MRE
	j. professional and industry associations?	X	X	X	1610	MRE
	k. technical, industry or service standards?	X	X	X	1611	MRE
	I. scientific journals and trade / technical publications?	X	X	X	1690	MRE

# During the 3 year period 1 January 2016 to 31 December 2018:

17.	did your business co-operate on any innovation	Please X all that apply								
	activities with any of the following:	UK Regiona	al	UK Nationa	al	Europe Countr		Other Countri		
	a. other businesses within your enterprise group?	X	1811	X	1812	X	1813	X	1814	MRF
	b. suppliers of equipment, materials, services or software?	X	1821	X	1822	X	1823	X	1824	MRF
	<b>c.</b> clients or customers from the private sector?	X	1881	X	1882	X	1883	X	1884	MRF
	d. clients or customers from the public sector?	X 1	1891	X	1892	X	1893	X	1894	MRF
	e. competitors or other businesses in your industry?	X	1841	X	1842	X	1843	X	1844	MRF
	f. consultants, commercial labs or private R&D institutes?	X	1851	X	1852	X	1853	X	1854	MRF
	g. universities or other higher education institutions?	X 1	1861	X	1862	X	1863	X	1864	MRF
	h. government or public research institutes?	X	1871	X	1872	X	1873	X	1874	MRF
	i. other businesses outside your enterprise group?	X	1875	X	1876	X	1877	X	1878	MRF
	j. non-profit organisations?	X	1879	X	1880	X	1885	X	1886	MRF

urir	ng the 3 year period 1 January 2016 to 31 December 2018:						
8.	if this business had no innovation activity, please indica	ate why		Please	X all that a	apply	
	it has not been necessary or possible to innovate				V		
	a. No need due to previous innovations				🔼	2011	MRY
	<b>b.</b> No need due to market conditions				X	2020	MR
	c. The UK does not have a business environment which en	courages	s companies to in	novate	X	2030	MRY
	<b>d.</b> Other				X	2040	MRY
19.	What proportion of your innovations during 2016 to 201	8	Please X one be	ox for each me	ethod		
	were protected by the following methods?	None	Low	Medium	High		
		(not used)	(less than 40%)	(40-90%)	(over 90%)		
	a. Patents	X	X	X	X	2650	MRE
	b. Design registration	X	X	X	X	2651	MRE
	<b>c.</b> Copyright	X	X	X	X	2652	MRE
	<b>d.</b> Trademarks	X	X	X	X	2653	MRE
	e. Lead time advantages	X	X	X	X	2654	MRE
	f. Complexity of goods or services	X	X	X	X	2655	MRE
	g. Secrecy (include non-disclosure agreements)	X	X	X	X	2656	MRE

#### Public financial support for innovation activities

# 20.1. During the three years 2016 to 2018 from which of the following levels of government did this business receive public financial support (if any) for innovation activities?

Include

 financial support via tax credits or deductions, grants, subsidised loans and loan guarantees

#### Exclude:

 R&D and other innovation activities conducted entirely for the public sector under contract.

The public sector includes government owned organisations such as local, regional and national administrations and agencies, schools, hospitals and government providers of services such as security, transport, housing and energy etc

		Please X all	that appl	у
	a.	UK local or regional authorities	2668	MRY
	b.	UK central government Include: UK government's agencies or funding bodies (eg Innovate UK, formerly known as TSB )	2669	MRY
	c.	European Union (EU) institutions or programmes	2670	MRY
	d.	None of the above	X 267	1 MRY
20.2.		'UK central government' was selected at question 20.1, what kind of financial support did this b	usiness	<b>s</b>
	red	Please X all	that appl	у
	a.	Direct financial support  For example: Smart or Collaborative R&D grants, work with Catapult centres, Innovation vouchers	X 2672	2 MRY
	b.	Indirect financial support For example: R&D tax credits, Patent box	X 2673	3 MRY
	C.	Don't know / don't remember	X 2674	4 MRY

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Sect	ion D - General Economic Information  Please ESTIMATE this business's total turnover for the year, excluding VAT:  Please round to the nearest £ thousand.	
	a. 2016	NFR
	b. 2018	NFR
22.	Please ESTIMATE this business's total value of exports for 2018 £	NFR
23.	Please ESTIMATE this business's average number of employees for the year:	
	a. 2016	NGT
	b. 2018	NGT
Skills	;	
24.	Please ESTIMATE the proportion of <u>2018</u> employees that hold a degree or higher qualification in: eg BA / BSc, MA / PhD, PGCE	
	a. science or engineering subjects	NCE
	<b>b.</b> other subjects	NCE
25.	During the 3 year period 1 January 2016 to 31 December 2018, did your business employ individuals in-house with the following skills at any level, or obtain these skills from external sources:  Please X all that apply	
	a. Graphic arts / layout / advertising?	MRY
	b. Design of objects or services?	MRY
	c. Multimedia / web design eg audio, graphics, text, still pictures, animation, video etc?	MRY
	d. Software development / database management?	MRY
	e. Engineering / applied sciences?	MRY
	f. Mathematics / statistics?	MRY

How long h nclude any systems and	time	spe	nt e	xtr	acti	ing	inf	orn	nati	on	fro	m	yo	ur a	CCC	our	ntin		ıtio	ns						28	01	Н	our	s		2	800		Лin	ute
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