





# UK Innovation Survey 2014 - 2016

******* 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 7 April 2017

Dear Sir or Madam.

Please find the questionnaire for the UK Innovation Survey attached. Please complete for the period 1 January 2014 to 31 December 2016. **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

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Ques	tionn	aire	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)

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

**Survey code:** 144 **Reference number:** 144 4990 0000 243T **Period:** 201612

Telephone calls may be recorded for training and quality purposes

or go to www.ons.gov.uk/surveys

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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 2014 - 2016. 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 2014 to 31 December 2016:

1.	in which geographic markets did this business sell goods and / or services?	apply
	a. UK regional within approximately 100 miles of this business	0210
	b. UK national	0220
	c. European countries	0230
	d. All other countries	0240
2.	did any of the following significant events or changes occur to this business?  Please X all that a	apply
	a. The business was established	0410
	<b>b.</b> Turnover increased by at least 10% due to merger with another business or part of it	0420
	c. Turnover decreased by at least 10% due to sale or closure of part of the business	0430
	d. None of the above	0440
Secti	ion B - Innovation Activities	

This section covers changes in business strategy and practices; investments in current and future innovation and the introduction of new and improved goods, services or processes

#### **Business Strategy and Practices**

Include all **new** and **significantly improved** forms of organisation, business structures or practices aimed at raising internal efficiency or the effectiveness of approaching markets and customers.

3. During the 3 year period 1 January 2014 to 31 December 2016, did this business make major changes in the following areas?

ent, business etc).

Please X all that apply

- b. New methods of organising work responsibilities and decision making (eg first use of a new system of employee responsibilities, team work, decentralisation, integration or



MRY

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Innov	vation Investment			
4.1		od 1 January 2014 to 31 December 2016, did this business llowing, for the purposes of current or future innovation?	at apply	
		and Development taken within your business that increases knowledge for improved goods or services and processes	1310	MRY
	Same activities as a within your group, o	earch and Development bove, performed by companies, including other businesses r by public or private research organisations and purchased	1320	MRY
	c. Acquisition of adv	anced machinery, equipment and software for innovation	1	
	Advanced machine	ery and equipment	1331	MRY
	Computer hardwar	e	1332	MRY
	Computer software	• <u>X</u>	1333	MRY
		ting knowledge  ag of patents and non-patented inventions, know-how and edge from other businesses or organisations	1340	MRY
		raining for your personnel, specifically for the development of innovations	1350	MRY
	• •	esign activities, including strategic, for the development or ew or improved goods, services and processes	1360	MRY
	g. Market introductio	n of innovations		
	Changes to produc	et or service design	1371	MRY
	Market research	X	1372	MRY
	Changes to marke	ting methods	1373	MRY
	Launch advertising	<u>,</u>	1374	MRY
4.2		nd Development' was selected at question 4.1, in which of d this business invest in it?	at apply	
	a. 2014	X	2675	MRY
	b. 2015	X	2676	MRY
	c. 2016	X	2677	MRY

5.	For each of the main innovation related investments in question 4, please ESTIMATE the amount of expenditure for the YEAR 2016 ON Include both internal costs and purchases from outside the business									
	Please round to the nearest £ thousand									
	a. Internal Research and Development	£					, 0	0 0	1410	NFR
	<b>b.</b> Acquisition of Research and Development	£					, 0	0 0	1420	NFR
	<b>c.</b> Acquisition of advanced machinery, equipment and software	£		,			, 0	0 0	1430	NFR
	d. Acquisition of existing knowledge	£		,			, 0	0 0	1440	NFR
	e. Training for innovative activities	£					, 0	0 0	1450	NFR
	f. All forms of design	£					, 0	0 0	1460	NFR
	a. Modulat introduction of innovations	£		,			, 0	0 0	1470	NFR
Inclue The i	g. Market introduction of innovations							ations,		
Inclue The i	ds or Services Innovation de all new or significantly improved goods or services eg improvement i	mark	ket. Inc	slude :	all pı	oduct	: innov	ıt apply	)	MTU
Include The include regarder	ds or Services Innovation  de all new or significantly improved goods or services eg improvement i nnovation, although new to this business, does not need to be new to the rolless of their origin.  During the 3 year period 1 January 2014 to 31 December 2016, did t business introduce:  a. new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses	his	ket. Ind	slude :	all pi	oduct	all tha	at apply		MTU
Include The include regarder	ds or Services Innovation  de all new or significantly improved goods or services eg improvement i nnovation, although new to this business, does not need to be new to the rolless of their origin.  During the 3 year period 1 January 2014 to 31 December 2016, did t business introduce:  a. new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature	his	ket. Ind	slude :	all pi	oduct	all tha	ot apply		
Include The include regarder	ds or Services Innovation  de all new or significantly improved goods or services eg improvement i nnovation, although new to this business, does not need to be new to the rolless of their origin.  During the 3 year period 1 January 2014 to 31 December 2016, did t business introduce:  a. new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature	mark his	ket. Ind		Plea Yes	ase X	all tha	0510 0520		
Include The iregar	ds or Services Innovation de all new or significantly improved goods or services eg improvement i nnovation, although new to this business, does not need to be new to the rdless of their origin.  During the 3 year period 1 January 2014 to 31 December 2016, did t business introduce:  a. new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature  b. new or significantly improved services?  If No to both options above, please go to question 10  Were these goods or services developed mainly by:	his For	ket. Ind		Plea Yes X	ase X	all tha	ox only		
Include The iregar	ds or Services Innovation  de all new or significantly improved goods or services eg improvement i nnovation, although new to this business, does not need to be new to the rdless of their origin.  During the 3 year period 1 January 2014 to 31 December 2016, did t business introduce:  a. new or significantly improved goods?  Exclude the simple resale of goods purchased from other businesses and changes of a solely aesthetic nature	his For	each ca	clude	Plea Yes X	ase X	all tha	ox only	1	MTU



Durin	g the 3 year period 1 January 2014 to 31 December 2016:	
8.	were any of your goods and services innovations:  Please X all that apply	
	a. new to your market?  This business introduced a new good or service to the market before competitors	MRY
	b. only new to this business?  This business introduced a new good or service that was essentially the same as a good or service already available from competitors	MRY
9.	Please ESTIMATE the percentage of this business's total turnover in 2016 from goods and services that were:	
	a. new to the market in 2014-2016	NCE
	b. only new to this business in 2014-2016	NCE
	c. significantly improved in 2014-2016	NCE
	d. unchanged or only marginally modified Include the resale of goods or services purchased from other businesses	NCE
Proce The ir regard	Total turnover 2016  Sess Innovation  Total turnover 2016  Sess Innovation  Total turnover 2016  Sess Innovation  Sess Innovation are all new or significantly improved methods for the production or supply of goods or services.  Senovation, although new to the business, does not need to be new to your industry. Include all process innovations, diless of their origin.	
10.	did this business introduce any new or significantly improved processes for producing or supplying goods or services?  Yes	
	No Please go to Question 13 ₀900	MRK
11.	were these processes developed mainly by:	
	a. this business or enterprise group?	MRY
	<b>b.</b> this business with other businesses or organisations?	MRY
	c. other businesses or organisations?	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	
	No X 1100	MRK



Durir	g the 3 year period 1 January 2014 to 31 December 2016:					
13.	did this business have any innovation activities that were	)		Please	all that apply	
	a. abandoned?				1510	MRY
	b. scaled back?				X	MRY
	c. still ongoing at the end of 2016?				1520	MRY
Durir	g the 3 year period 1 January 2014 to 31 December 2016:					
14.	how important were the following factors in constraining innovation activities?		Please X one box	x for each o		
	innovation 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	2658	MRE
	c. cost of finance	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	2663	MRE
	h. market dominated by established businesses	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	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 2014 to 31 December 2016, how important were each of the following factors in your decision to innovate in goods or services and / or process(es)?

your decision to innovate in goods or services and / or process(es)?		Please X one bo	x for each	category	
	High	Medium	Low	Not Important	
a. Increasing range of goods or services	X	X	X	1210	MRE
b. Entering new markets	X	X	X	X 1211	MRE
c. Increasing market share	X	X	X	X 1220	MRE
<b>d.</b> Improving quality of goods or services	X	X	X	X 1230	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 <sub>1250</sub>	MRE
g. Increasing value added	X	X	X	X <sub>1290</sub>	MRE
h. Reducing costs per unit produced or provided	X	X	X	X 1260	MRE
i. Improving health and safety	X	X	X	1270	MRE
j. Reducing environmental impacts	X	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 <sub>1280</sub>	MRE
					1

## During the 3 year period 1 January 2014 to 31 December 2016: 16. how important to this business's innovation activities was Please X one box for each category information from: Not Important High Medium Low 1601 MRE a. within your business or enterprise group? . . . . . . . . . **b.** suppliers of equipment, materials, services MRE 1620 MRE **c.** clients or customers from the private sector? . . . . . . . . MRE **d.** clients or customers from the public sector? . . . . . . . . . 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 MRE 1640 e. competitors or other businesses in your industry? . . . . MRE consultants, commercial labs or private R&D institutes? MRE 1660 g. universities or other higher education institutes? . . . . . MRE 1670 **h.** government or public research institutes? . . . . . . . . . .

**k.** technical, industry or service standards? . . . . . . . . . . . .

I. scientific journals and trade / technical publications? . . .

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MRE

MRE

MRE

MRE

1610

1611

1690

# During the 3 year period 1 January 2014 to 31 December 2016:

17.	did your business co-operate on any innovation	Please X all that apply						
	activities with any of the following:	UK Regional	UK National	European Countries	Other Countries			
	a. other businesses within your enterprise group?	X 1811	X 1812	X 1813	X 1814	MRF		
	<b>b.</b> suppliers of equipment, materials, services or software?	X 1821	X 1822	X 1823	X 1824	MRF		
	c. 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 1891	1892	X 1893	X 1894	MRF		
	e. competitors or other businesses in your industry?	X 1841	X <sub>1842</sub>	X <sub>1843</sub>	X 1844	MRF		
	f. consultants, commercial labs or private R&D institutes?	X 1851	1852	X 1853	1854	MRF		
	g. universities or other higher education institutions?	X 1861	1862	X 1863	1864	MRF		
	h. government or public research institutes?	X 1871	X 1872	X 1873	X 1874	MRF		

Durir	ng the 3 year period 1 January 2014 to 31 December 2016:						
18.	if this business had no innovation activity, please indication it has not been necessary or possible to innovate	te why		Please	X all that app	oly	
	a. No need due to previous innovations				X 20	11	MR'
	<b>b.</b> No need due to market conditions				. X	20	MR'
	c. The UK does not have a business environment which en	courages	s companies to in	novate	. X 20	30	MR'
	<b>d.</b> Other				. X	40	MR'
19.	What proportion of your innovations during 2014 to 2016 were protected by the following methods?		Please X one bo				
		None (not used)	Low (less than 40%)	Medium (40-90%)	High (over 90%)		
	<b>a.</b> Patents	X	X	X	X	2650	MRI
	b. Design registration	X	X	X	X	2651	MR
	<b>c.</b> Copyright	X	X	X	X	2652	MR
	d. Trademarks	X	X	X	X	2653	MRI
	e. Lead time advantages	X	X	X	X	2654	MRE
	f. Complexity of goods or services	X	X	X	X	2655	MRI
	g. Secrecy (include non-disclosure agreements)	X	X	X	X	2656	MRI

### Public financial support for innovation activities

# 20.1. During the three years 2014 to 2016 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	apply	
a.	UK local or regional authorities	X	2668	]
b.	UK central government Include: UK government's agencies or funding bodies (eg Innovate UK, formerly known as TSB )	X	2669	
c.	European Union (EU) institutions or programmes	X	2670	
d.	None of the above	X	2671	
	<u>'UK central government' was selected at question 21.1</u> , what kind of financial support did this ceive?	s busi	ness	
	Please X	all that	apply	
a.	Direct financial support For example: Smart or Collaborative R&D grants, work with Catapult centres,	Y		
	Innovation vouchers		2672	
b.	Indirect financial support For example: R&D tax credits, Patent box	X	2673	
_	Don't know / don't remember	X	2674	

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Sect	ion D - General Economic Information	
21.	Please ESTIMATE this business's total turnover for the year, excluding VAT: Please round to the nearest £ thousand.	
	a. 2014	NFR
	b. 2016	NFR
		NED
22.	Please ESTIMATE this business's total value of exports for 2016 £	NFR
23.	Please ESTIMATE this business's average number of employees for the year:	
	a. 2014.	NGT
	b. 2016	NGT
Skills	<b>S</b>	
24.	Please ESTIMATE the proportion of <u>2016</u> employees that hold a degree or higher qualification in: eg BA / BSc, MA / PhD, PGCE	
	a. science or engineering subjects	NCE
	b. other subjects	NCE
25.	During the 3 year period 1 January 2014 to 31 December 2016, 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 Include any systems and	time	spe	ent e	exti	rac	ting	inf	orn	natio	on f	ron	n yo	ur a	acc	oun	nting		ons	S				28	01	Н	our	S		280	7	Minu	ıtes
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