Innovate UK Funding Calls

Edition: July 2017

Innovate UK focuses on thematic areas that are most likely to generate UK economic growth and which address global challenges and opportunities – and on competencies and technologies which enable innovation in these areas.
In making investments they apply four key criteria:

- Is there a large (global) market opportunity?
- Does the UK have the capability to develop and exploit the technology?
- Is the idea 'ready' – is the timing right?
- Can Innovate UK make a difference?

Most of these calls are costed on a total project basis, with the funder then meeting a percentage of that cost. The percentage will depend on a number of factors including the length of the project, the total project cost and the size of the company.

Calls are announced on a regular basis and this document is updated monthly. If you have an idea or a challenge that meets the criteria for funding and where you think the University can help, come and talk to us. You can contact the Business Team at: businessteam@contacts.bham.ac.uk

Further detail for all of the following calls can be found at: https://www.gov.uk/apply-funding-innovation

NB: Within the Innovate UK delivery plan for 2016 to 2017 it highlights 5 programmes that it will support over the coming year, which a number of calls released under each programme. Estimates for when these calls will open are provided below, and information will continue to be updated throughout the year.

To make this document as informative as possible the following colour coding relates to competition deadlines:
Deadlines which have past
Registration/competition deadlines occurring this month
Competitions which are opening shortly
Registration/competition deadlines which occur outside of this month

Emerging and Enabling Technologies

Emerging Technologies finds and proves early stage technologies, often from the research base; Enabling Technologies supports underpinning technologies that have the potential to disrupt a broad swathe of products and services across many sectors

Space Entrepreneurs Mission Award TBC	Expected October 2016

Health and Life Sciences

Innovate UK's Health and Life Sciences sector group has a focus on agriculture and food and healthcare, underpinned by technologies developed in bioscience and medical research and enabled by expertise in engineering and physical sciences

Newton UK-China agritech challenge 2017 ***Call budget**: £8 million* ***Lead applicants**:* *Projects must include:* *a UK business, UK higher education institution and a Chinese business and academic institution*	**Scope** ▪ Innovate UK and BBSRC are investing up to £8 million in project that use cutting-edge technologies to solve agricultural challenges in China. ▪ Projects should address challenges related to agricultural technologies in one or more of the following sectors: o Precision agriculture, agriculture digitisation and decision management tools. o Improving the efficiency of sustainable agricultural production o Agricultural products processing ▪ These solutions should respond to China's health, safety, productivity and environmental needs in the agricultural field. ▪ All proposals must show the China is the primary target for the project and show the fit to ODA criteria **Funding and Decisions** ▪ It is anticipated that projects will range in size from £1 million - £2 million which UK project costs not exceeding £1 million. ▪ Projects should last up to 3 years. ▪ Projects will need to include one UK business and one UK higher education institution eligible for BBSRC funding. Applicants will also need to partner with one Chinese business and academic institution.
Registration Deadline	26 July 2017
Application Deadline	2 August 2017

Infrastructure Systems

The Infrastructure Systems sector group covers the major global market opportunities in optimising transport and energy systems and integrating these with other systems such as health and digital in an urban context

Infrastructure systems round 3 ***Call budget:** £15 million* ***Lead applicant:*** *SME (for projects run alone and under £100k)* *Consortia - work in collaboration, including at least one SME for projects over £100k*	**Scope** • The aim of this competition is to stimulate innovation in infrastructure systems that provide critical services for our economy, environment and society. • There are 4 specific themes for this competition: • **Smart infrastructure** – solutions that bring the digital and physical worlds together. Solutions must add intelligence to physical infrastructure, or design process to improve: o whole-life cost and/or performance o resilience, security and/or sustainability • **Urban living** – solutions must address the challenges citizens face in cities and urban areas. Solutions must span more than one of the following: o 'hard' systems, such as energy, transport, waste, water and communication o 'soft' systems, such as security, law and justice (for example, public order and safety). health, wellbeing, social care and education o infrastructure delivering environmental systems, such as parks and green spaces, rivers and canals • **Energy** o **Energy Systems** - innovations with the ability to flexibly match changing

	energy supply and demand profiles of the future. These must create or demonstrate smart system solutions that integrate energy generation and demand. ○ **Nuclear Fission -** Innovations that lead to major cost reductions, improved asset integrity and supply chain development. This will be for the current and future UK and global civil nuclear markets, including decommissioning. ○ **Offshore wind -** Innovations that, when in use, will result in substantial reductions in the cost of energy from offshore wind. • **Connected transport -** solutions that encourage more efficient transport of people and goods. Applicants must address one of the following strategic areas: ○ Innovations related to capacity and congestion across transport modes. ○ Delivering accessible and safe transport for all sectors of society. ○ Sustainability including improving air quality, reducing carbon emissions and future-proofing connected transport **Funding and Decisions** • There is up to £5 million for projects that last from 3 months to 1 year. • There is up to £10 million for projects lasting from 1 year to 3 years, with costs between £100,000 and £5 million inclusive. • Projects will range in size from total project costs of £25,000 to £5 million. • Between 70% and 25% of total project costs will funded depending on project type and business size. **To be lead a project you must:** • be an SME if you wish to work alone on a project no longer than 12 months and with costs of less than £100,000 • work in collaboration, including at least one SME, if your project has costs over £100,000 and/or is longer than 12 months **For all research organisations**, the total level of project participation is set at a maximum of 30% of total eligible project costs. If your consortium contains more than one research organisation, this maximum will be shared between them. ***An online webinar is taking place on 11 July – a summary of the webinar will be available from n.z.kopecky@bham after the event.***
Competition Opens	10 July 2017
Competition Deadline	13 September 2017
Aerospace Technology Institute (ATI) Strategic Research and Technology Projects Call budget: TBC	**Scope** ▪ Innovate UK acts as the delivery partner for ATI R&D programmes ▪ Innovate UK and ATI are looking for ideas about the broader opportunities that might be offered by the programme, as well as to support long-term planning **Strategic themes:** ○ **aircraft of the future**: Strengthening the UK's whole-aircraft design and system integration capability, positioning it for future generations of civil aircraft ○ **smart, connected and more electric aircraft**: Developing UK advanced systems technologies to capture high-value opportunities in current and future aircraft ○ **aerostructures of the future**: Ensuring the UK is a global leader in the development of large complex structures, particularly wings ○ **propulsion of the future**: Advancing a new generation of more efficient propulsion technologies, particularly within large turbofan **Funding and deadlines** ▪ Projects may focus on industrial research or experimental development. ▪ **2017 dates** - http://www.ati.org.uk/wp-content/uploads/sites/14/2016/11/2017-SRC-Submission-and-Decision-Dates.pdf
Competition deadline	The programme is open to suggestions through to 31st March 2020

Manufacturing and Materials

Focuses on the development, validation and application of cross-cutting manufacturing and materials technologies and processes to drive productivity and growth

Manufacturing and Materials Round 3
Call budget - £15m
	Scope
	• Innovate UK is to invest up to £15 million in innovation projects in manufacturing and/or materials.
	• Funding will be awarded to projects that focus on identified technical or commercial challenges and projects **must focus on manufacturing of materials innovation**, rather than a product innovation.
	• These should lead to increased productivity, competitiveness and growth for UK small and medium-sized enterprises (SMEs).
	• Projects must focus on one of the following:
	  ○ **innovation in a manufacturing system, technology, process or business model**
	  ○ **innovation in materials development, properties, integration or reuse**
	• For this competition, materials include but are not limited to:
	  ○ **nano-materials**
	  ○ **ceramics**
	  ○ **metals and inter-metallics**
	  ○ **polymers**
	  ○ **composites**
	  ○ **coatings**
	  ○ **smart materials**
	  ○ **joining of dissimilar materials**
	
	Funding and Deadlines
	• Projects are expected to range in size from total costs of £50,000 to £2 million and should last between 6 months and 3 years.
	• Projects must be led by a business or RTO and involve at least one SME, working alone or in collaboration with other organisations.
	• Projects longer than 12 months or with costs of £100,000 or more must involve working with other partners.
	• Between 70% and 25% of total project costs will funded depending on project type and business size.
	
	A briefing event was held in London on the 8th May - notes and briefing information will be available shortly. For this information contact: n.z.kopecky@bham.ac.uk

Registration Deadline	5 July 2017
Application Deadline	12 July
Connected and autonomous vehicles test bed *Call budget: £55m*	**Scope** ▪ The aim of this competition is to create the world's most effective connected and autonomous vehicle (CAV) testing ecosystem by creating a number of distinct test capabilities. **Competition Streams** ▪ Stream 1 - 1 to 2 **public test environments** in an urban and/or highly dense city location. ▪ Stream 2 - a c**ontrolled test facility representative of an urban and/or city environment**. ▪ Stream 3 - a **realistic, controlled high-speed, limit-handling environment**. **Test Facility** For all streams the anticipation is to fund globally significant projects that allow for: ▪ testing of autonomous vehicles (AVs) in an appropriate and realistic environment ▪ testing V2X connectivity capabilities and methodologies

	▪ testing of equipment that may interact with CAVs, for example, roadside infrastructure ▪ The **location for test facilities** is a defined area that covers part of the West Midlands through to the south-east. It starts from the north-west of Leicester down to Basildon, across to the south of Guildford, then up to the north-west of Worcester and back to the north-west of Leicester. **Funding and Decisions** ▪ A business or a research organisation must lead the project ▪ Organisations must work with others, but consortia should contain no more than 5 partners (lead organisation plus 4 others). **Funding support available:** • up to 50% of eligible project costs if you are a business of any size • up to 100% of eligible project costs if you are a non-profit distributing research organisation. In this case, you must demonstrate how the match funding for investment in the facility will be contributed after the project. This must be a minimum of the grant value requested and might include areas such as maintenance costs, tracking the use of assets, and so on **It is expected projects will have:** • at least a 30% industry contribution to the initial investment • at least a 50% industry contribution to the lifetime costs of the facility
Registration Deadline	12 July 2017
Application Deadline	19 July 2017

Open programme

Accessible to all businesses and academics undertaking innovation, irrespective of the technology or sector in which they are working

NEW **Open programme round 3** *Call budget: £15 million* *Lead Applicant:* ✓ *UK-based business*	**Scope** ▪ The competition is open to the best business-led cutting-edge or disruptive ideas or concepts with a view to commercialisation. ▪ To be in scope proposals must: ○ demonstrate cutting-edge, game-changing or disruptive innovation leading to novel, new products, processes or services ○ articulate a clear, anticipated growth and commercialisation impact for businesses with considerable, demonstrable potential (as you would set out in a pitch to any serious investor) to lead to a significant return on investment (ROI) **Funding and Decisions** ▪ Projects may last between 6 and 36 months. Total eligible project costs should range from £25,000 to £1 million depending on the type of research and development (R&D) to be undertaken. ▪ Projects must be led by a UK-based business ▪ **For all research organisations,** the total level of project participation is set at a maximum of 30% of total eligible project costs. If the consortium contains more than one research organisation, this maximum is shared between them. ▪ Between 70% and 25% of total project costs will funded depending on project type and business size.
Competition Closes	9 August 2017
Knowledge Transfer Partnerships	**Scope** ▪ KTPs offer businesses the opportunity to work in partnership with a University to obtain knowledge and expertise. Projects are designed to meet business

Funding available throughout the year	challenges and embed sustainable innovation ▪ The knowledge sought is embedded into the company through a project undertaken by a recently qualified gradate (known as the KTP associate) recruited specifically to work on that project ▪ ***NB: Innovate UK is particular interested in applications related to cyber security*** **Funding and deadlines** ▪ Innovate UK part-funds the KTP. SMEs contribute 33% of the project costs, and larger companies contribute 50% ▪ Deadlines now align with the main Innovate UK call deadline. **Deadlines for 2017/2018 are as follows:** ○ Health and Life Sciences – ~~12 April 2017~~ and 6 December 2017 ○ Emerging and Enabling Technologies – ~~10 May 2017~~ and 8 November 2017 ○ Manufacturing Materials – 12 July 2017 and 17 January 2018 ○ Open – 9 August 2017 and 7 February 2017 ○ Infrastructure Systems – 13 September 2017 and 14 March 2018 ▪ Be sure to follow @UniBham_KTP on Twitter for regular updates on UoB KTPs

Other funding calls

Other funding opportunities including SBRI, Catapult funding, Newton funding etc.

NEW **Demonstrator for RAI in extreme and challenging environments – phase 1** *Call Budget: £6 million* *Lead applicant:* ✓ *UK based-businesses*	**Scope** ▪ The aim of this competition is to encourage and stimulate the development of RAI technologies for extreme and challenging environments. ▪ The resulting developments should demonstrate a potential step change in the minimisation of human intervention and/or demonstrate potential productivity increases. ▪ The 2nd phase of this programme will run in 2018. ▪ Innovate UK are looking to fund projects that combine complementary disciplines to achieve the necessary system functionalities or capabilities. ▪ Applications which address the following are encouraged: ○ identify the operational scenario in which the technological developments would be used ○ identify the technical risks and potential operational benefits ○ explain the reusability of the technological developments in different RAI systems for extreme and challenging environments, and the corresponding market sizes **In addition:** ○ Innovate UK reserves the right to adopt a balanced portfolio approach across the challenge areas. ○ in phase 2, projects may be expected to find additional partners or work with other consortia to demonstrate an integrated system ○ you cannot apply to lead phase 2 projects without applying for phase 1 **Funding and Decisions** ▪ Innovate UK have allocated up to £6 million to fund innovation projects through this competition. ○ **Projects costs up to £100,000** – projects can be run alone by eligible organisations or in collaboration with others ○ **Projects costs over £100,000** – projects must be run in collaboration

	with other eligible organisations (at least one must be an SME). ▪ Between 70% and 25% of total project costs will funded depending on project type and business size.
Competition closes	19 July 2017
NEW **Research and development competition for RAI in extreme and challenging environments** *Call budget: £10 million* *Lead applicant:* ✓ *UK based-business inc. at least one SME*	**Scope** ▪ The aim of this competition is to encourage and stimulate the development of robotics and artificial intelligence (RAI) technologies for extreme and challenging environments**.** ▪ The resulting developments should demonstrate a potential step change in system capabilities, primarily across the off-shore energy, nuclear energy, space, and deep mining sectors. **Competition themes** ▪ Applications which can clearly demonstrate the following are encouraged: o identify the operational scenario in which the technological developments would be used o identify the technical risks and potential operational benefits o articulate the reusability of the technological developments in different RAI systems for extreme and challenging environments, and the corresponding market sizes o Innovate UK reserves the right to adopt a balanced portfolio approach across the challenge areas **Funding and Decisions** ▪ Innovate UK have allocated up to £10 million to fund innovation project: o Project costs up to £100,000 must be led by an SME either alone or in collaboration o Projects over £100,000 must be run in collaboration with other organisations (at least one must be an SME). ▪ Between 70% and 25% of total project costs will funded depending on project type and business size.
Competition Closes	2 August 2017
NEW **APC8: Anchoring low carbon technology in the UK** ***Call budget**: £35 million* ***Lead applicant:*** ✓ *UK-based business*	**Scope** ▪ The aim of this competition is to address the challenge of: o producing lower-carbon transportation o improving air quality o developing a UK supply chain for the next generation of lightweight vehicles and propulsion systems ▪ Innovate UK are looking to match-fund projects that demonstrate the development of technologies based around one or more of the Automotive Council's 'sticky' technologies: o alternative propulsion systems o electric machines and power electronics o energy storage and energy management o lightweight vehicle and powertrain structures o thermal propulsion systems ▪ Projects specific themes: o deliver significant reductions in vehicle CO2 emissions and improvements in air quality o strengthen UK capability and develop the UK's supply chain in the field of low carbon vehicles o develop on-vehicle technologies and vehicle infrastructure interfaces, for either on-road or off-road vehicles o develop and accelerate the progression of automotive technology and manufacturing readiness **Funding and Decisions**

	▪ Projects must be led by a UK-based business ▪ **For all research organisations**, the total level of project participation is set at a maximum of 30% of total eligible project costs. If your consortium contains more than one research organisation, this maximum will be shared between them. ▪ The APC will match fund a limited number of collaborative R&D pre-productions projects, which have a clear route to market. ▪ Each project will attract no more than 50% public funding of the total eligible project costs. The consortia must decide how to balance funding so that the total grant request for the project does not exceed this. ▪ At least 70% of the total eligible project costs must be incurred by commercial organisations. ▪ Between 70% and 25% of total project costs will funded depending on project type and business size.
Registration Closes	20 September 2017
Competition Closes	27 September 2017
NEW **UK-Guangdong urban innovation challenge 2017** ***Call budget**: £3 million* ***Lead applicant**:* ✓ *UK business*	**Scope** ▪ The aim of this competition is to encourage innovative partnerships between the UK and Guangdong province. ▪ Projects should address one or more of the following urban challenges: ▪ smart mobility ▪ affordable healthcare through big data solutions ▪ smart platforms for sustainable urban environments **Funding and Decisions** To apply to this competition, projects must include at least: ▪ one UK-based business of any size ▪ one Chinese business that has been registered in Guangdong province for over one year ▪ Between 70% and 25% of total project costs will funded depending on project type and business size. ▪ Projects are expected to last 2-years with total project costs of between £350,000 to £500,000 on the UK side. Total UK grant size should not exceed £350,000 per project.
Registration Closes	27 September 2017
Competition Closes	4 October 2017
NEW **Feasibility studies** **Innovation in vehicle-to-grid (V2G) systems:** ***Call budget**: £2 million* ***Lead applicant**:* ✓ *UK-based business*	**Scope** ▪ The aim of the feasibility studies competition is to support business-led **feasibility projects** that investigate novel technologies, consumer engagement approaches and business models for future implementation of V2G services. ▪ The **objectives** are to achieve one or more of the following: o Build confidence in and demonstrate the value of V2G technology to vehicle manufacturers, ULEV owners and users. The aim is to encourage significant take-up of ULEVs in the coming 5 to 10 years. o Learn how to engage ULEV owners and users and understand their attitude to different V2G technologies, products and services. o Demonstrate the technical and commercial potential for ULEVs to support the electricity system, either directly to the power grid or other local systems (for example, vehicle-to-building). **Feasibility studies could cover:** ▪ Techno-economic and commercial studies. This could include business models and value chains, or market/revenue studies. ▪ User behaviour and engagement. This could include surveys about user behaviour and attitudes (only if part of a larger piece of work in this project), or effective approaches for engaging consumers. ▪ Technology and standards development, such as those in the collaborative R&D competition.

	Funding and Decisions ▪ £20 million is being made available for projects across 3 funding competitions, with £2 million allocated to collaborative feasibility projects. ▪ Projects must be led by a UK-based business ▪ **Research organisations** can participate as collaborators. In any project, a maximum of 30% of total eligible project costs can be spent by the research organisations involved. If your consortium contains more than one research organisation, this maximum will be shared between them. ▪ Projects are expected to last 12 months with total costs of between £125,000 and £225,000. ▪ Between 70% and 50% of total project costs will funded depending on business size
Briefing Event (London)	9 August 2017
Brokerage Event	17 August 2017 (**Energy Systems Catapult, Birmingham**)
Competition Closes	18 October 2017
NEW **Collaborative research and development** **Innovation in vehicle-to-grid (V2G) systems:** ***Call budget**: £4 million* ***Lead applicant**:* ✓ *UK-based business*	**Scope** ▪ The aim of the collaborative research and development competition is to **support business-led R&D projects** that investigate novel technologies, consumer engagement approaches and business models for future implementation of V2G services. ▪ The **objectives** are to achieve one or more of the following: o Build confidence in and demonstrate the value of V2G technology to vehicle manufacturers, ULEV owners and users. The aim is to encourage significant take-up of ULEVs in the coming 5 to 10 years o learn how to engage ULEV owners and users and understand their attitude to different V2G technologies, products and services o demonstrate the technical and commercial potential for ULEVs to support the electricity system, either directly to the power grid or other local systems (for example, vehicle-to-building) ▪ The funders are looking for collaborative R&D project which focus on industrial research. ▪ By the end of the project it is anticipated that a physical demonstrator for products developing hardware will be available. ▪ **Projects might include the following areas** but other areas are not precluded if there is clear relevance to the competition scope: o Bi-directional charger design and manufacture o On-vehicle development o Software, telematics or battery monitoring, communications security or analysis of vehicle or energy network data to enable V2G products or services o Integration of V2G storage in the wider energy system o Developing battery degradation testing and health and performance management methods specifically for V2G o Standards exploration and experimentation **Funding and Decisions** ▪ £20 million is being made available for projects across 3 funding competitions, with £4 million allocated to collaborative R&D projects. ▪ Projects must be led by a UK-based business and all projects must involve at least 2 partners. ▪ Research organisations can participate as collaborators. In any project, a maximum of 30% of total eligible project costs can be spent by the research organisations involved. If your consortium contains more than one research organisation, this maximum will be shared between them. ▪ Projects are expected to last between 18 months and 3 years with total costs of between £375,000 and £1.5 million. ▪ Between 70% and 50% of total project costs will funded depending on business size

Briefing Event (London)	9 August 2017
Brokerage Event	17 August 2017 **(Energy Systems Catapult, Birmingham)**
Competition Closes	18 October 2017
NEW **Real-world demonstrators** **Innovation in vehicle-to-grid (V2G) systems** ***Call budget**: £14 million* ***Lead applicant**:* ✓ *UK-based business*	**Scope** ▪ The aim of the demonstrator competition is to support **demonstration projects** that investigate novel technologies, consumer engagement approaches and business models for future implementation of V2G services. ▪ The **objectives** are to achieve one or more of the following: o build confidence in and demonstrate the value of V2G technology to vehicle manufacturers, ULEV owners and users. The aim is to encourage significant take-up of ULEVs in the coming 5 to 10 years o learn how to engage ULEV owners and users and understand their attitude to different V2G technologies, products and services o demonstrate the technical and commercial potential for ULEVs to support the electricity system, either directly to the power grid or other local systems (for example, vehicle-to-building) ▪ The funders are seeking **innovative solutions in the following V2G areas**: o business models, technology and service standards o understanding user acceptance and consumer engagement o on and off-vehicle hardware, including bi-directional chargers, battery hardware and software, and cyber security o trials of different products and services in different scenarios **Funding and Decisions** ▪ £20 million is being made available for projects across 3 funding competitions, with £14 million allocated for **demonstrator projects**. ▪ Projects must be led by a UK-based business. ▪ Demonstrator projects must follow these guidelines: o personal use demonstrators must include a pool of vehicle owners o commercial trials must include a commercial vehicle operator for freight carrying, logistics or public service vehicles o trials must use vehicles supplied by original equipment manufacturers or professionally converted vehicles o project teams must monitor trial vehicles using telematics or another effective system o the number of proposed trial vehicles and their anticipated availability must be declared in the application and reported on throughout the project o trial vehicles must be safe and legally compliant at all times (with vehicle special orders if required) ▪ **Universities** can receive 80% of full economic cost. In any project, a maximum of 30% of total eligible project costs can be spent by the research organisations involved. ▪ Between 70% and 25% of total project costs will funded depending on project type and business size. ▪ It is anticipated that project last up to 3 years with total project costs between £1.5 million and £7 million.
Briefing Event (London)	**9 August 2017**
Brokerage Event	**17 August 2017 (Energy Systems Catapult, Birmingham)**
Competition Closes	**18 October 2017**
NEW **Newton Bhabha UK–India industrial waste challenge 2017** ***Call budget:***	▪ The aim of this competition is to fund collaborative biotechnology solutions that address one or more of India's industrial waste challenges in the following sectors: o leather/tanning/textiles o municipal solid waste o paper and pulp o sewage o sugar cane

Lead Applicant: ✓ *UK-based business* ✓ *UK-based research organisation* ✓ *Indian-based business* ✓ *Indian research organisation*	▪ We are looking for solutions that primarily focus on developing and applying biotechnological processes that: o are lower cost but at least as effective as those already available to the Indian market, or at least as effective but not yet available to the Indian market at a cost-effective scale o add value through the recovery of valuable chemicals or high-value products ▪ Projects and their outcomes must fit with the **official development assistance (ODA) criteria**. This aims to boost economic development and have a positive social or environmental effect on the wider Indian society. **Funding and Decisions** ▪ To apply to this Newton Fund call, project consortiums must include, as a minimum: o a UK-based business o a UK higher education institution or research council institute eligible for BBSRC/EPSRC funding o a Government of India supported or recognised academic institution or research organisation ▪ In the UK, the proportion of total eligible project costs is dependent on the type of applicant: o UK-based businesses' total eligible project costs must be 50% or higher o research organisations (including higher education institutes and research council institutes), public sector organisations and charities (undertaking non-economic activity) can together claim up to 50% of total eligible project costs ▪ Between 100% and 25% of total project costs will funded depending on project type and business size.
Registration Closes	11 October 2017
Competition Closes	18 October 2017
UK-Malaysia urban innovation challenge 2017 *UK budget: £3m*	**Scope** ▪ The aim of this competition is to fund collaborative technological solutions that address one or more of the challenges listed below. ▪ Projects and their outcomes must fit with the official development assistance (ODA) criteria. This aims to boost economic development and have a positive social or environmental effect on the wider Malaysian society. ▪ **Challenge 1: Urban Mobility** o improving public transport services o increasing use of public transport o enhancing the user experience through public service integration Solutions to these issues should fit on of the following areas: o data and systems integration o service delivery o first-mile/last-mile connectivity between transport nodes/homes o multi-modal transport connectivity ▪ **Challenge 2: Urban Waste** o new affordable processes to recover, separate or extract valuable components from urban household or commercial waste streams o new affordable processes to recover, separate or extract valuable components from urban household or commercial waste streams ▪ **Challenge 3: Urban Water Management** o non-revenue water (water lost in the distribution system before reaching consumers) o urban flooding Solutions to these issues should fit on of the following areas: o water leak non-intrusive detection and management o municipal flash flood detection

	○ urban flood response systems **Funding and Decisions** ▪ This competition is part of the UK–Malaysia Newton-Ungku Omar Fund. ▪ Between 70% and 25% of total project costs will funded depending on project type and business size. ▪ Projects are expected to last 2-years with total project costs of between £300,000 to £500,000 on the UK side.
Registration Deadline	30 August 2017
Application Deadline	6 September 2017