8th City Update

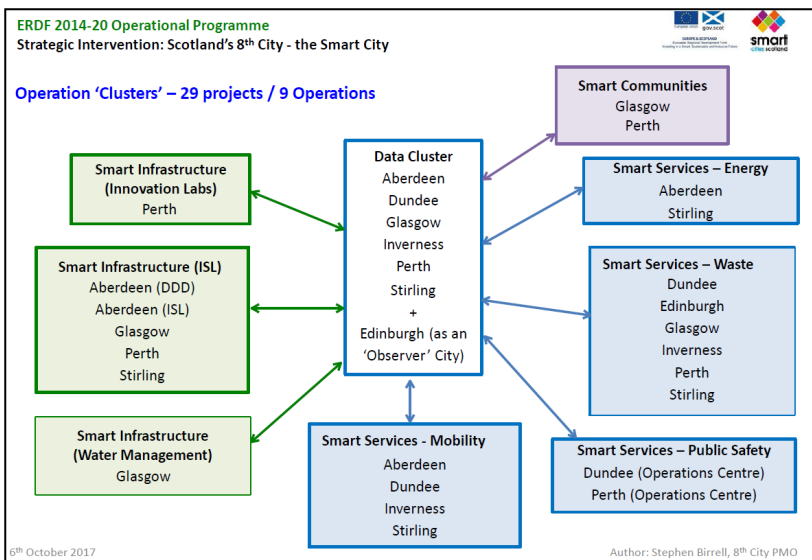**ERDF 2014-20 Programme, Strategic Intervention: Scotland's 8th City - the Smart City**

The **8th City Update** newsletter is for 8th City Advisory Group members and wider partners. It offers an overview of recent programme activity plus links to Smart Cities strategy and funding and learning opportunities.
The newsletter is produced on a Quarterly basis, with contributions welcomed from 8th City partners. For further information please contact: 8th_city_pmo@glasgow.gov.uk

8th City programme update: July to September 2017

8th City programme activity during July to September 2017 was primarily focused on individual project delivery and exploring opportunities for information sharing and communications at the programme level.

In addition, a number of new projects were introduced into existing approved Operations – for example the 'Smart Communities' Operation now has a project to be delivered by Perth. Similarly, Inverness has introduced a range of projects into its 'Smart Mobility' Operation - these include proposed initiatives relating to smart parking, train travel, and Mobility as a Service (MaaS).

These various new projects (along with adjustments to scope, budget, and timescales of a number of existing projects) were approved at the Managing Authority Approval Panel (MAAP) which met on 6th September. The outcome of these changes is that the 8th City programme now has 29 projects ranged across nine approved Operations (excluding the programme management function and those Operations which required a separate application on behalf of the Highlands and Islands Programme Area). This means that current activity for the 8th City programme is as follows:

ERDF 2014-20 Operational Programme
Strategic Intervention: Scotland's 8th City - the Smart City

Operation 'Clusters' – 29 projects / 9 Operations

6th October 2017 — Author: Stephen Birrell, 8th City PMO

This overview describes what might be described as 'Phase 1' of the 8th City programme.

Another significant development during Phase 1 of the programme was the submission, verification, and payment of the first grant claims to cities.

In processing these claims, however, it became apparent that the thirteen Operations within the 8th City programme generated a high volume of work in relation to supporting documentation, etc; this led to a rationalisation of 8th City Operations recorded on EUMIS (the Scottish Government's IT system to support the monitoring and implementation of the European Structural Fund 2014-2020 programmes) - with a reduction to three Operations to cover the programme management function as well as activity in Highlands & Islands (H&I) and Lowlands & Uplands (LUPS) Programme Areas).

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During the past few months, 8th City partners have also had an opportunity to consider the findings and suggested actions arising from the Managing Authority's review of European Structural Funds. This review took place during Quarter Two of 2017, with findings and suggested actions presented to the Joint Programme Monitoring Panel (JPMC) on 14th June. Key considerations for 8th City programme partners included:

- For Highlands & Islands (Inverness) – the Managing Authority noted intervention rate to shift from 50% ERDF/50% Match to 60% ERDF/40% Match. This requires ratification by the European Commission and it is anticipated that a decision will be known by December 2017.

- In recognition of the challenges that grant recipients have faced in ensuring that 100% of staff time is committed to ERDF related activities, for further (i.e. 'Phase 2') activities, the Managing Authority will accept up to 40% of staff time committed to ERDF activities.

Work is ongoing to liaise with the Managing Authority (MA) in relation to a potential further allocation of ERDF to support development and delivery of 'Phase 2' project activity within the 8th City programme. The current indication is that this may amount to a further £10M (plus an appropriate level of match funding) and an associated extension to programme timescales, with activity scheduled to take place January 2019 to December 2022.

An indicative timetable for the scoping out, development, and submission of 2nd Phase Operation applications is noted below:

High level timetable for Phase 2 ERDF allocation to 8th City programme	
Aug. 2017	8th City Advisory Group: briefing on process and timetable for developing Operations for 2nd phase ERDF allocation.
Nov. 2017	8th City Advisory Group: invite initial/outline proposals from cities for consideration.
Mar. 2018	PMO: collation of funding proposals for initial review and feedback.
May 2018	8th City Advisory Group: finalise recommendations for consideration by 8th City Strategic Board.
Aug. 2018	Cities and PMO: preparation of Operation Applications and collation of paperwork.
Sept. 2018	Glasgow (Lead Partner) submission of Operations Applications to MA for presentation to MAAP.

Further information about Phase 2 development is available from the 8th City Programme Management Office (PMO) at 8th_city_pmo@glasgow.gov.uk

Jonathan Brown, Programme Manager, 8th City PMO

8th City PMO vacancy - Programme Support Officer

Ref no: GLA02796 / **Location**: 231 George Street, Glasgow

Salary: £26,566.24 - £31,196.52 per year / **Hours**: 35.00 hours per week

Contract Type: Fixed Term / **Position Type:** Full Time

Application deadline: **Sunday, 29th October 2017**

Applications are invited from officers who are currently employed by Local Authorities involved in the Scottish Cities Alliance. This post is fixed term for a period up to 30 months.
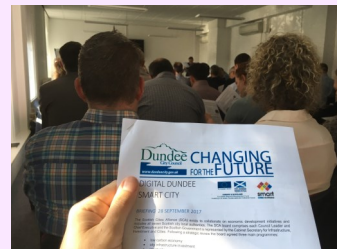
Further information at https://www.myjobscotland.gov.uk/councils/glasgow/jobs/programme-support-officer-fixed-term-scotland's-8th-city—-smart-city'-97401

8th City programme - City Updates

Dundee

Dundee Smart City Stakeholder engagement event

On the 28th September, Dundee hosted their first major Smart Cities Stakeholder engagement event, bridging the gap with suppliers, communities and various other stakeholders. The event outlined the vision and activities to deliver a more liveable and resilient city through the use of data and digital technology. The programme aims to aid and facilitate delivery of city priorities through improved community engagement, integration of service delivery and smart city innovation.

A full house turned up and for some of the 80 plus attendees it was standing room only; this fostered a great atmosphere and encouraged topical debate at the successful event. Delegates heard speakers from Censis, Waracle, Urban Foresight and 8th City Advisory Group member Ritchie Somerville of Edinburgh City Council. Ritchie's presentation kicked off the event covering the SCA work on Smart City Standards, amongst other interesting developments in the Capital. The event then covered the state of play from both a public and private sector perspective.

Stakeholders had a unique opportunity to engage and help shape the program in Dundee with 8 session setup across the four projects being delivered by Dundee as part of the 8th City programme: Open Data; Smart Services – Public Safety; Smart Mobility; and Smart Waste.

Dundee City Council leader and chair of the Scottish Cities Alliance Councillor John Alexander said: "We have already secured £1.4m for the creation of Mobile Innovation Living Laboratory (MILL) to establish Dundee as a test bed for smart mobility solutions that will look at areas such as mobility services and smart parking.

"Our vision is about developing future solutions to benefit the people of Dundee and the many visitors we are attracting to the city. We are working to ensure that these fit with the priorities our citizens have identified and our strategic aims for the city – fair work and enterprise, community safety and justice and building stronger communities."

Alan Dobson, Business Development Officer, Dundee City Council

Open Data Leaders Network

With support from the Scottish Cities Alliance, Andrew from Dundee City Council attended the Open Data Institute's Open Data Leaders Network for a week of workshops and training.

The network was made up of members from around the world, including the project lead for the 6 cities project in Finland (6 Aika, https://6aika.fi/).

Sessions included stakeholder engagement, open data strategy and visits to start-ups in Shoreditch to learn about their use of data. Leaders from the open data community shared insights on how to measure the impact of open data and prioritise our work.

Andrew will be sharing the knowledge from the week with the data cluster which will be hugely useful to learn from the best practice around the world.

Andrew Kesterton, Team Leader (GIS), Dundee City Council

Glasgow

Smart Communities – Glasgow's Mobile Working programme

Considerable activity has been evident in Glasgow City Council's mobile programme during summer 2017.

In home care, over 2,700 mobile users have seen a new app developed that captures overtime hours and when these hours are being worked. This improved visibility provides better management information which will be used to reduce overtime whilst ensuring those staff on-shift are fully utilised. Development work has started here with a go-live planned for October 2017.

In Land and Environmental Services, a new app release has been implemented in bulky uplift. Enhancements includes more details around the position of the items to be uplifted as well as property tenure information. A new 'collector' app is also being rolled out on tablet devices and this will allow operatives to geo-asset tag a whole range of city street assets such as back court bins and public waste bins.

September also saw the mobile programme host our first ever 'expo' open afternoon, highlighting the work of the team to senior officers within Glasgow City Council. We had team members showing the four elements that contribute to our work: business analysis; coding and design; visualisation; and business engagement. This event was really well received with over 50 senior officers attending on the day.

Glasgow is committed to sharing information and learning with Perth & Kinross Council, in support of their recently approved 'Smart Communities' project. Also, following on from last month's expo, a further engagement event is planned for all interested cities across the 8th City programme. Further details to follow shortly.

Brendan Murphy, mobile programme lead, Glasgow City Council

Digital Transformation - a survey of UK local authorities

A recent UK-wide survey, carried out by the Municipal Journal (MJ) and BT, asked local authority chief executives and managers for their views on how digital transformation was changing their service delivery.

Key findings from the survey include:

- 83% of respondents see digital transformation as among the top five priorities within their organisation;
- 56% have a digital transformation strategy in place;
- For 56% of respondents, the chief executive was seen as the main driver of change;
- the main goals for digital transformation include improving services and cost savings; and
- digital transformation is believed to have the greatest impact on back office services such as finance and ICT, revenues and benefits, health and social care.

The survey highlights the differences between what technology is regarded by councils as most important (cloud-based infrastructure, data sharing, mobile working) and what has been implemented. Survey findings also included a focus on some of the perceived barriers to achieving digital transformation: these included 'lack of in-house skills', 'lack of money to invest', 'cultural resistance' and 'concerns about data protection and security'.

Information sourced from IDOX briefing note

Perth

Smart Waste in Perth

Perth and Kinross Council has just procured Paris-based SmartUp Cities* to provide litter bin sensors for more than 160 litter bins in Perth city centre. The company provides sensors and software to support the system which will monitor fill-levels and provide route management for collections. It is hoped that after a few months of data collection and analysis data will show not only the possibility of reducing the total number of bins but also show the most efficient schedules for collection based on live data generated by the sensors.

PKC Waste Services is keen to assess new locations of litter bins requested by the members of the public based on sensor data for nearby bins and identify bins that may be filled very quickly as this could be a sign of business or residents using them for rubbish disposal. Trends in litter generation over the course of the year will be monitored and appropriate action taken to resolve issues connected to certain locations or events.

It is hoped bin sensors will be installed before the end of the November 2017 and connectivity will be provided by Perth City Wi-Fi now being installed. The ambition is for this to be the first of many Internet of Things (IoT) applications supported by 8th City ERDF in Perth extending to the City Operations Centre CCTV, Intelligent Street Lighting and projects for Smart City monitoring and reporting.

* More info at http://www.smartupcities.com/smart-solutions-sustainable-low-carbon-cities-businesses/

Magda Jakub, Smart Waste Systems Officer, Perth & Kinross Council

Perth Hackathon

Perth ran its inaugural Hackathon on 28th / 29th September. This was organised as a collaborative event between two of Perth's 8th City ERDF projects - the Data Cluster and the Perth Innovation Lab - and facilitated by Code the City.

The event was focused on the how to build a resilient and smart economy in Perth and the surrounding region. Drawing on attendees with a broad range of experiences, from SMEs to academia, the two-day event encouraged participants to explore the economic challenges facing the area, and to appraise innovative solutions to these challenges.
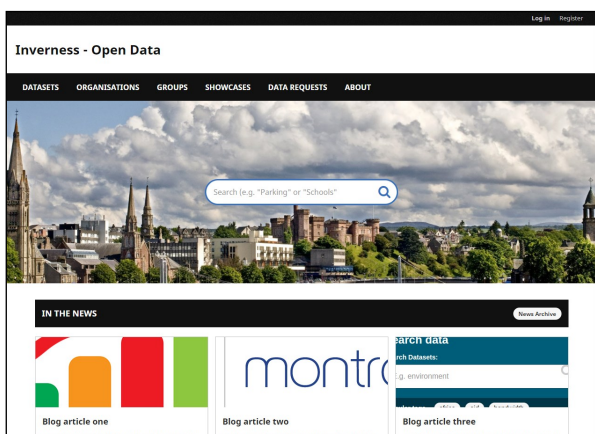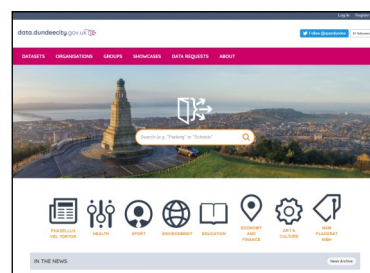

This event not only provided an opportunity to promote both projects, but also resulted in several project proposals to be prototyped, around topics like using crowd-sourced air quality data to inform local and national government action on the subject, and using live-streaming platforms to create a "digital high streets".

All together we had just over 20 people at the event. The solutions were developed over the two days and 'pitched' at the end of the event – with the intention of them being taken forward as prototypes/pilots. In terms of representation, it was mostly from local SMEs, with some representation from academics, developers, and a few individuals from the third sector.

Doug Young, Open Data Coordinator, Perth & Kinross Council

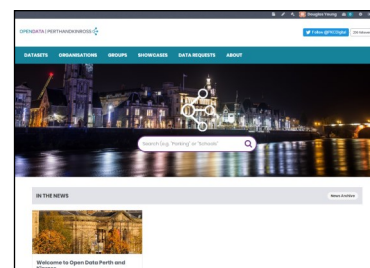## 8th City Data Cluster—update on the Open Data Platforms

The 8th City programme's 'Data Cluster' has taken a major step forward with the procurement of an open data platform between Dundee, Inverness, and Perth which will serve as the basis for each city's open data publication going forward. This procurement process took place from March to July of this year, with the platform design, development and implementation taking place over the last two months. The collaborative procurement process was facilitated by Tayside Procurement Consortium, with the support of each city's respective procurement team, and made use of the Crown Commercial Service's G-Cloud framework.

During the process of drafting up a specification of the platform, a commitment was made to publishing any work on the platform as open source additions to CKAN. This "open-by-default" to the platform's development means that the global CKAN community can potentially benefit from the Data Cluster's work.

Based on the popular open source data portal solution, CKAN, these data platforms have undergone substantial custom development by Viderum Ltd, the chosen supplier, enabling dozens of additional features. These range from visualisation and charting options, to data standards validation and data harvesting functionality to ensure that these data platforms are ready to meet each city's current and future needs.

The joint approach taken by the cities to procuring, designing and implementing the platforms has generated substantial benefits, allowing the cities to pool their development costs together on a single shared technology base to improve the platform's functionality, all while lowering costs. In addition, this process was an exciting opportunity for co-work and co-design between the cities, which is not only in the spirit of the 8th City programme's goals, but will also facilitate the process of federating and combining datasets between the cities moving forwards.

With the platforms now largely in place, the current focus is on testing and adding data resources to the platform in advance of a soft launch late 2017, with a full launch planned for early in the new year after an additional round of development to enhance the data platforms further.

Doug Young, Open Data Coordinator, Perth & Kinross Council (on behalf of 8th City Data Cluster partners)

Scotland performs strongly in Smart Cities research

A new study by Juniper Research has identified the top 10 smart cities in the UK. Although London tops the list, perhaps unsurprisingly, Edinburgh and Glasgow were both well recognised for their Smart City ambitions and were listed in second place and third place respectively.

The analysis was conducted over a range of city indices, including: transport; healthcare; public safety; energy; and productivity. Scores were calculated taking into account variables (such as congestion and crime levels) alongside smart city rollouts, vision and long-term strategy.

As highlighted in **8th City Update** #7, a number of 'Digital Cities' events were held in Scottish cities during September. Hosted by [FutureScot](#), events took place in Dundee, Edinburgh, Aberdeen, Stirling and Glasgow, providing a platform for policymakers, skills specialists, and professionals from a range of digital technologies.

A supplement, produced by Canongate Communications, provides a snapshot of the Digital Cities events and also highlights aspects of Smart City activity in those cities.

The supplement is available to view at https://issuu.com/hamishmiller.scot/docs/digital_cities,

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Sustainable Cities Report 2016

Edinburgh and Glasgow also featured strongly in the 'Sustainable Cities Report 2016' released earlier this year.

The Sustainable Cities Index ranks 100 global cities on three dimensions, or pillars, of sustainability: People, Planet and Profit. The overall ranking showed Edinburgh as the 13th most sustainable city and Glasgow as the 36th. Assessed against all of these

The **People** sub-index rates health, education, income inequality, work-life balance, the dependency ratio, crime and housing and living costs— i.e indicators broadly thought of as relating to 'quality of life'. Edinburgh was 39th and Glasgow was 42nd in the People index.

The **Planet** sub-index ranks cities on energy consumption and renewable energy share, green space within cities, recycling and composting rates, greenhouse gas emissions, natural catastrophe risk, drinking water, sanitation and air pollution. Edinburgh was 20th and Glasgow was 22nd in the Planet index.

The **Profit** sub-index examines performance from a business perspective, combining measures of transport infrastructure (rail, air and traffic congestion), ease of doing business, tourism, GDP per capita, the city's importance in global economic networks, connectivity in terms of mobile and broadband access and employment rates. Edinburgh was 6th and Glasgow was 64th in the Profit index (but still ahead of Brussels, Beijing, and Buenos Aires).

The Sustainable Cities report is available at https://www.arcadis.com/en/global/our-perspectives/sustainable-cities-index-2016/

Scottish Cities Alliance - update

The Geeky Gadgets website recently featured a blog on why UK homeowners are not adopting Smart home technology. The article highlighted Scotland as bucking the trend - quoting the Scottish Cities Alliance's Key City facts booklet talking about our Smart use.

The article highlighted factors, such as 'Where is smart home technology most popular in the UK?' and noted that:

"Scottish consumers are more aware of smart home technologies with around 24% of people surveyed having heard of the technology and also fully understand what it means. The Scottish Cities Alliance's Key Facts Booklet has said that millions of pounds are being invested on smart technology in Scotland, the major investment has obviously had an impact in spreading awareness of smart technologies."

Please see link below for further information:

http://www.geeky-gadgets.com/why-uk-homeowners-are-not-adopting-smart-home-technology-27-09-2017/

Updates and changes to the 'Scotland's 8th City - the Smart City' Knowledge Hub Group

With over 70 representatives from across the 8th City programme, membership of the 8th City Khub group has expanded in recent months, as more projects have come on stream and staff and partners have been recruited.

Although this reflects an increasing awareness and engagement with the 8th City programme, it also presents issues in relation to both information security and the need for a more effective approach to sharing and learning across the 8th city programme Operations (or 'clusters').

Further, the introduction of an upgraded and enhanced Knowledge Hub service, in August 2017, has afforded more opportunity for 8th City programme partners to engage in shared communications and collaborative working. With support from the Improvement Service, a number of 8th City 'specific interest' groups have been created on Khub. These new groups, corresponding to the 8th City Operations, will complement the 'Scotland's 8th City' Khub group but will be comprised only of partners / stakeholders working across each Operation. The existing group will remain and will focus on programme documentation and decision-making (membership will be open only to members of the 8th City Advisory Group). Invites to the new groups will be issued during October.

Scottish Government / Managing Authority

European Structural Funds Annual Event 2017

The European Structural Funds Annual Event takes place on 29th November 2017 in Edinburgh. The public event is open to all interested parties so come along and see what we've been up to.

Mr Keith Brown MSP, Cabinet Secretary for Economy, Jobs and Fair Work, is opening the event, followed by presentations about some of the exciting projects benefitting from European Structural Funds.

After lunch (provided) there will be a debate on the impact European Structural Funds has had and where funding has been most successful. We will also consider what the priorities are, should there be any replacement funding.

There will be an opportunity for networking and questions and answers. Book onto the event here: http://doodle.com/poll/xw3xvb84rapaste5. For more info please contact: europeanstructuralfunds@gov.scot.

ESF Publicity Toolkit on using Social Media

Further to updating, earlier this year, the Publicity Guidelines for European Structural Funds, the Scottish Government has recently produced a publicity toolkit with a focus on use of social media to promote ESF-funded projects. The toolkit was circulated to 8th City programme partners in September. Please contact the 8th City PMO— 8th_city_pmo@glasgow.gov.uk should you require a further copy.

Scottish Government blogs

The summer edition of the brand new European Structural Funds (ESF) newsletter was published in August. This provides news of upcoming events, important dates and other ESF news and updates. The European Structural and Investment Funds blog provides an insight into how European funding positively impacts the community, through European Social Funding, and strengthens economic and social cohesion through European Regional Development Funding. Please see https://blogs.gov.scot/european-structural-and-investment-funds for more information.

Another Scottish Government blog that might be of interest to 8th City programme partners is 'Scotland's Digital Future – A Strategy for Scotland'. This blog is about ensuring Scotland is well positioned to take full advantage of all the economic, social and environmental opportunities offered by the digital age. Further information available at https://blogs.gov.scot/digital

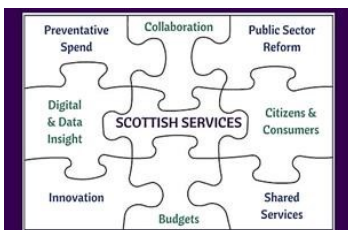**Innovate 2017, Birmingham, 8-9 November 2017**

INNOVATE 2017 is the UK's leading innovation event. Over two days it brings UK innovators together to share, excite, and inspire businesses, individuals and governments to tackle the challenges of tomorrow. Visit **INNOVATE 2017**'s website for event information.

LUCI Annual General Meeting, Durham, 13-16 November 2017

LUCI (Lighting Urban Community International) is a unique international network bringing together cities and lighting professionals engaged in using light as a major tool for sustainable urban, social and economic development.

Please see following link to the programme - http://www.luciassociation.org/agm-durham-programme/

Refocusing Scottish Public Services: Applying Christie Commission Principles, Edinburgh, 28th November

This event examines three core areas: Public Services in Context - Brexit, constitutions and public finances; Translating Christie Commission Principles into Practice; & Public Service Reform: case studies in being brave.
Info at www.mackayhannah.com

Early notice: DataFest18 is a festival of data innovation run by The Data Lab, with events hosted across Scotland from 19th to 23rd March 2018.

Further information at https://www.datafest.global/

8th City programme partners—Hellos and Cheerios

Recent changes to staff and partners working on, or in some way supporting, the 8th City programme include:

Hello and welcome to: Georgina Carr (Open Data - Dundee); Hamish Donaldson (Smart Waste - Dundee); John Hughes (Smart Waste - Glasgow); Jenny Marshall (Open Data - Stirling); Andrew McKay (Smart Mobility – Inverness); Richard Neil (Public Safety - Perth); Jim Tonner (Open Data - Stirling); and Urban Foresight (Smart Mobility PMO - Dundee).

Cheerio and thanks to: Amy Braddick (Scottish Cities Alliance); Lucille Brown (Scottish Cities Alliance); Rhona McKay (Smart Energy - Stirling); Ritchie Somerville (8th City Advisory Group - Edinburgh); Petya Todorova (8th City PMO); Ian Watt (8th City Advisory Group / Open Data - Aberdeen).

The list above includes folk on maternity leave and on secondment - we look forward to future involvement.

The next 8th City Update, Issue #9 covering activity during the final Quarter of 2017, will be produced January 2018. To contribute updates about 8th City projects, please provide content by 13th January. For info please contact Stephen Birrell / 0141 287 8645 / 8th_city_pmo@glasgow.gov.uk