8TH | CITY UPDATE

Welcome to the 8th City Update – a quarterly newsletter about project activity across the 'Scotland's 8th City – the Smart City' ERDF programme.

The programme's aim is to expand Smart City capabilities and deliver city priorities through improved community engagement, integration of service delivery and innovation. Collaboration is key to the programme, with all seven cities working to develop projects which are open, scalable, replicable, and interoperable.

The cities are also committed to knowledge exchange, sharing of experiences and learning, mutual support, and sharing of assets. This includes production of case studies, lessons learned logs, and project closure reports – as well as contributions to this newsletter.

Thanks to city representatives and project leads for contributions to this issue; thanks also to the Communications and Marketing Team at GCC Neighbourhoods and Sustainability for support with the layout and design of this issue.

The next 8th City Update will be out in May. We want your feedback and contributions, ideas, and suggestions.

Please send info to stephen.birrell@glasgow.gov.uk. Deadline for content - 6th April 2020.

Nicola McPhee
Programme Manager
8th City PMO

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

2020 sees a significant shift across the 8th City programme, with the majority of Phase 1 projects (i.e. those approved in 2017-2018 for ERDF funding) now completed, or near completion, and Phase 2 projects (ERDF funded from 2018) moving from development to delivery mode.

PHASE 1

The current status of 8th City Phase 1 and Phase 2 projects is summarised as follows:

- Of the 26 Phase 1 Projects being delivered, ten are currently in progress and 16 have been completed – with Project Closure Reports available, or in development. Ten projects remain in progress with completion dates during 2020.

The table below shows Phase 1 projects and their status:

Projects Completed

- Aberdeen - Intelligent Street Lighting
- Aberdeen - Digital Data Development
- Dundee - Open Data
- Dundee - Smart Waste
- Glasgow - Data Analytics
- Glasgow - Intelligent Street Lighting
- Glasgow - Smart Waste
- Perth - Open Data
- Perth - Intelligent Street Lighting
- Perth - Innovation Lab
- Perth - Mobile Working
- Perth - Smart Waste
- Stirling - Open Data
- Stirling - Smart energy
- Stirling - Smart Mobility
- Stirling - Smart Waste

Projects in Delivery

- Aberdeen - Open Data
- Dundee - Smart Mobility
- Dundee - Public Safety
- Edinburgh - Smart Waste
- Glasgow - Mobile Working
- Glasgow - Water Management
- Inverness - Open Data
- Inverness - Smart Mobility
- Inverness - Smart Waste
- Perth - Public Safety

PHASE 2

- There are 18 projects in Phase 2 of the 8th City programme. Of these, a number are currently being delivered and others at development stage.

Projects Approved and in Progress

- All Cities - Data Cluster Project Manager
- Edinburgh - Public Safety
- Edinburgh - Smart Infrastructure
- Edinburgh - Smart Mobility
- Glasgow - Data Analytics
- Inverness - Smart Infrastructure
- Perth - Smart Waste

Projects Approved and in Development

- Dundee - Smart Mobility
- Glasgow - Intelligent Street Lighting
- Glasgow - Mobile Working #1
- Glasgow - Smart Waste
- Perth - Open Data
- Perth - Public Safety
- Stirling - Smart Mobility
- Dundee - Open Data
- Glasgow - Mobile Working #2
- Inverness - Open Data
- Stirling - Open Data

8th City Phase 2 projects have again had a focus on open data, smart infrastructure, and a range of smart services. A number of these projects seek to sustain and build on Phase 1 activity; others are incorporating Internet of Things (IoT) and integrated systems approaches to deliver smart city initiatives. Phase 2 activity is scheduled to run until September 2022.

The 8th City Programme includes smart city projects embracing both 'pilots and trials' and 'investment in enabling smart infrastructure'. Programme investment (comprising ERDF, SCA Cities Investment Fund, cities' match, and other grant funding) is circa £48.5M.

Overall, this Phase 1 and Phase 2 programme of more than 40 projects - ranged across seven cities and covering themes such as data, energy, mobility, public safety, waste, water management, digital services, citizen engagement, and IoT infrastructure – provides Scottish cities with a range of opportunities to showcase their smart city ambition and achievements.

In delivering their 8th City projects, programme partners in recent months have:

- Presented at national events, such as the Smart Cities UK 'Meeting City Challenges' roadshow in Perth (see article on page 9).
- Contributed case studies and project knowledge exchange as part of CoSLA gathering of Scottish Councils' evidence on Smart Cities (with further submission to the Council of Europe Congress of Local and Regional Authorities).
- Made successful application (as 'Smart Cities Scotland') to participate in Horizon 2020 / EUROCITIES 'Sharing Cities' programme, supporting Europe-wide collaboration and smart city strategy development and replication.
- Hosted or provided input to 'smart city' delegations from countries such as Croatia, Finland, and China.

8th City project leads from Glasgow and the 8th City Data Cluster, meeting senior officials of the Zhejiang Province of China (Glasgow City Chambers, September 2019).

As part of ongoing work to show evidence of achievement and impact, 8th City programme partners have also focused on the recording and reporting of outputs.

This provides baseline information to support wider work on project and programme impact and benefits realisation.

It also enables project leads to show and share evidence of value when reporting to project sponsors and funders – and will contribute information which will inform a proposed interim evaluation of the programme in 2020.

For further information please contact the 8th City Programme Management Office at *8th_City_PMO@glasgow.gov.uk*
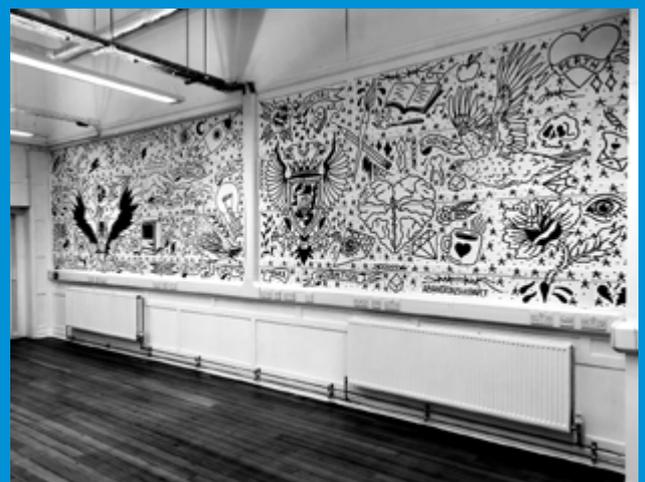
One of the 8th City ERDF projects being delivered by Perth is the creation of an Innovation Lab nested within the wider 'Perth Creative Exchange' - a £4.25m creative hub for artists, makers, creative industry professionals and the general public.

The Creative Exchange venture is a partnership project between Perth and Kinross Council and WASPS (Scotland's largest provider of creative studios space) with key stakeholders Perth College UHI, Elevator (Business Gateway current contract provider in Tayside) and Perth Contemporary Arts Trust.

The Innovation Lab is a £625,000 project - of which £250,000 is ERDF and £100,000 allocated via the SCA Cities Investment Fund. The project has also secured sponsorship support, leading to its re-branding as the 'Famous Grouse Ideas Centre' (FGIC).

Occupying 150m² of space within Creative Exchange, the FGIC aims to make a positive economic, social and cultural impact not only in Perth but across the Tay Cities Region.

A key aim for the centre is to support exceptional business creation, development and growth. This will be achieved through an innovative suite of dedicated support programmes. These have been developed by creatives for creatives with an emphasis on innovation.

The FGIC will see enterprises, projects and individuals working to find solutions to commercial and civic challenges.

To have the maximum impact on the local area, outreach activity will look at the involvement of local young people. The project aims to develop the next generation of leaders and employers by inspiring them through working with entrepreneurs and creatives.

The FGIC will house a bespoke suite of support services supported by creative and business support agencies in Scotland working in partnership on this creative business support pipeline.

This Includes such programs as The Creative Pipeline – Aimed at young people from Perth who are not presently employed, in education or training which will introduce young people to creative industries (such as graphic design, photography, video, visual art and computer games) and offer the opportunity to explore the skills required to run their own creative business or be employed in a creative business.

In addition to the key areas of delivery above, the FGIC will also use the space to showcase works from the local University, users within the overall building, and the wider creative community as a whole. The FGIC is intended as a space for sharing ideas, learning skills, display of works, and exhibitions. The most up to date IT equipment, including Promethean Screens, UV bench Printers, Laser Cutters, 3D printers Macs, PCs, Design software will be made available for users of the space, offering opportunities and equipment that might otherwise not be available.

The FGIC is being deigned to be welcoming, relaxed, inspiring but most importantly highly adaptable. The centre will be responsive to need and aspirations of our creatives and innovators and deliver a co-working space that can be adapted to allow the room to perform many functions to benefit all potential users of the space.

Perth Creative Exchange and the Future Grouse Ideas Centre are undergoing final fit-out work during December 2019 – with a formal opening event planned for February 2020.

Further information from Alan Farnington, City Development Project Officer, Perth and Kinross Council - AFarnington@pkc.gov.uk

Aberdeen City Council, with its local partners which include NESTRANS, Aberdeenshire Council, Aberdeen Harbour Board and Robert Gordon University, is in the final stages of the Horizon 2020 EU funded project 'Civitas PORTIS'. This four year project aims to improve and implement sustainable urban mobility solutions in port cities.

There are several strands of work within PORTIS which can be considered as 'smart'-for example Aberdeen City Council has deployed Automatic Number Plate Recognition (ANPR) devices at strategic key locations in the city which include points on the Aberdeen Western Peripheral Route (AWPR). Not only will this provide the Council with more data, but we are testing the ANPR data, amongst other transport datasets, within the strategic transport model for the North East Region.

The ambition is the model can be updated on a more real-time, or at least more frequent, basis rather than huge data collections and input every few years which can be a costly exercise and the data become quickly obsolete. In the long-term the Council expects this will lead to data and transport modelling being more robust, helping us to make more informed decisions.

Another key part of the PORTIS work has focussed on freight and freight movements in the city centre. Through PORTIS the Council and our local partners have collected and analysed data, as well as consulted with freight companies, to better understand freight movements and journey times by different routes and transport corridors as well as if the AWPR has had a positive contribution to reducing traffic congestion. NESTRANS have also developed a new Freight Routeing Map which was approved by their Board. As part of the project we are now investigating how best to continue to promote the Freight Map, encouraging freight out of the city centre, through smart technology.

This is only a few of the smart elements of the PORTIS so far-one of the other key pieces of work the Council will be doing is the development of a smart journey planning tool and we hope to share updates with 8th City programme partners in the near future.

Amye Ferguson | Senior Project Officer - AmFerguson@aberdeencity.gov.uk

Aberdeen City Council | Smart Cities | City Growth | Place

Following an approach by Smart Cities UK in early 2019, projects across the 8th City programme were invited to present case studies at a Meeting City Challenges roadshow at the newly refurbished Perth Theatre on 21st November 2019.

Delegates heard presentations from the following 8th City ERDF projects:
- Glasgow Data Analytics
- Perth Mobile Working
- Dundee Smart Mobility

Inputs were also provided on 'Benchmarking Smart City Strategies', 'Smart Cities Procurement Support', and 'Delivering Digital Foundations to enable Smart Cities'.

The Perth roadshow is part of a series being delivered by Smart Cities UK, with further events planned for Manchester and Derry in 2020. 8th City programme partners attending found the event to be of value; Alan Dobson (Business Development Officer, Dundee City Council) reported "a very interesting event with a high calibre of debate and engagement on the future of Smart cities". In delivering an overview of the Dundee Smart Mobility projects, Paul Blakeman (Head of Innovation, Urban Foresight) described "An engaging event and a great opportunity to present Dundee's Smart Mobility initiative to a relevant and informed audience."

Stephen Sprott (Principal Officer, Data Centre of Excellence, Glasgow City Council) also noted that "The Smart Cities event provided a good opportunity to learn about relevant developments in other UK cities, and also to share some of our own ideas".

"The event provided a platform for Glasgow City Council to showcase some of its recent activity around data analytics and how we are combining data and design to drive innovation in service design – we welcomed the opportunity to connect with a wider UK audience".

More info at https://www.smartcityuk.com/roadshow-perth

International delegates including Cllr. Angus Millar (Glasgow City Council), Colin Birchenall (Digital Office) and Doug Young

I recently had the opportunity to attend the 9th instalment of the Smart City Expo, held annually in Barcelona. Along with representatives of Glasgow City Council, I attended as part of a wider delegation invited by the UK/IE office of Catalonia Trade & Investment, which included representatives from the Greater London Authority, Leeds City Region, Newcastle City Council, and Bristol City Council, among others.

Alongside high-profile keynotes and demos of futuristic vehicles was a substantial floor presence from global cities of all sizes, along with vendors both large and small, including several currently involved in 8th City projects. There were also opportunities to engage with organisations that we already have links with, such as the Open and Agile Smart Cities (OASC), who launched their Scale, Boost, Sustain declaration during the Expo.

What was clear to me was that despite the cultural and regulatory differences across the world, there is a large degree of commonality there in terms of the challenges that cities face – themes such as sustainable growth, the circular economy and carbon reduction all featured, tied together by common initiatives such as the UN's Sustainable Development Goals 2030.

This was a fantastic opportunity for myself and the delegates from Glasgow to learn from UK, European, and global best practice around smart cities, as well as providing an opportunity to "fly the flag" for the incredible progress Scotland has made in the field, supported by projects of the 8th City ERDF Strategic Intervention.

Doug Young / Data Cluster Project Manager / Scottish Cities Alliance

In recent times Nesta has offered a prediction of the trends, social movements and technological breakthroughs that may shape the world in the coming year.

For 2020, the ten predictions are tied to current major themes – such as the climate crisis, drone technology, the changing face of democracy, new surveillance tools. However, this year's collection of predictions also highlights some less familiar shifts that could lie ahead – including: how to defend yourself from digital assassination; the cash crash reaches a tipping point; meeting your digital twin; and Ecoanxiety will help us save the planet.

Read Nesta's predictions for 2020 at

www.nesta.org.uk/feature/ten-predictions-2020/

DIGITAL OFFICE 2.0 LAUNCH EVENT

The Scottish Local Government Digital Office recently launched their Digital Office 2.0 Business Plan, which outlines their strategic priorities and programme of work through to 2021, including work around data, now part of a 'Driven by Data' project. In line with this, representatives from the 8th City programme Data Cluster attended the workshop held by the Digital Office to outline the work packages as part of this refresh.

The session was kicked off by an insightful and informative keynote delivered by Alan Duncan, VP of Data & Analytics Strategy at Gartner, on the challenges and opportunities around becoming a data-driven organisation, before being followed up by a session outlining some of the project's various planned work-streams.

The format of the afternoon - which was facilitated by the Digital Office team - allowed attendees to participate in a detailed discussion on these identified areas of work, providing the Digital Office with considerable

feedback that will inform the project's next steps. A 'Heartbeat Marketing Pack' will be issued in mid-January to summarise the event, propose the next steps for the project and 'recruit' colleagues from the Partnership to drive this work forward.

This was an excellent opportunity to reiterate our already strong bonds with the Digital Office, and to open more routes to tie the current and planned work of the Data Cluster into the Scottish public sector's wider data landscape.

Doug Young / Data Cluster Project Manager / Scottish Cities Alliance

Implication of UK General Election result

On 12th December 2019 the Conservative Party won an overall majority at the UK General Election and will form the next government. This is likely to result in the UK leaving the EU by 31 January 2020 in accordance with the terms set out in the Withdrawal Agreement.

Essentially the General Election result means that there is no change to current activity and the European Structural and Investment Funds (ESIF) programmes will continue to be delivered as before. According to Articles 137 and 138 of the Withdrawal Agreement, the UK will participate in the ESIF 2014-2020 programmes as if it were a member state until the end of the programmes.

If this situation changes, the Managing Authority will contact all Lead Partners to advise on how they might be affected.

Scottish Government Consults on Replacement of European Structural Funds post EU Exit

This consultation focuses on the European Structural funds - the European Regional Development Fund and the European Social Fund. These two funds deliver the EU regional investment goals of Europe 2020 and make up over a quarter of the EU Budget.

The aim of the European Regional Development Fund is to strengthen economic and social cohesion by correcting imbalances between regions, whilst the European Social Fund seeks to help people improve their lives by learning new skills and finding better jobs.

The Scottish Government distributes these funds to lead partners, such as Scottish Government policy directorates, enterprise and skills agencies, local authorities and other public bodies. The lead partners support delivery agents and organisations to implement projects.

The UK Government has indicated its intention to replace European Structural Funds following EU-exit with a successor arrangement called the UK Shared Prosperity Fund (SPF). The UK Government has said that the SPF will be aligned with its Industrial Strategy and will focus on increasing productivity. However, there has been no detail yet on the scale, objectives and allocation of such funding. In this context, the Scottish Government is conducting a consultation to seek views on how any replacement funding vehicle could best meet the needs of citizens, businesses and communities in Scotland.

The purpose of the consultation is to clarify:

- the aim and objectives of post EU exit funding in Scotland;
- how to maximise its added value;
- the extent to which it should be aligned with Scottish, UK and EU policy priorities;
- whether and how it should be concentrated thematically or geographically;
- the appropriate arrangements for monitoring and evaluation; and
- the most effective and efficient approach to governance and partnership.

The written consultation will be supported by a series of consultation events throughout Scotland, which will be held between now and the end of January 2020. These will look in more depth at some of the questions raised in the consultation.

Following analysis, the Scottish Government will produce a final report which will set out how Scotland intends to proceed. This is expected to be ready in spring 2020.

The consultation runs until 12 February 2020.

Scottish Government has recently engaged in consultation in policy areas of relevance to smart city programme activity; these include:

Consultation on Scotland's Low Emission Zones:

Regulations and Guidance. This seeks opinions on issues of a technical nature that underpin the operation and delivery of Low Emission Zones (LEZs), including the substantive issue of emission standards, exemptions and penalty charges.

Further information and consultation documents available at: Scottish Low Emission Zones: Consultation on Regulations and Guidance

This consultation will run until 24 February 2020.

CAN DO Innovation Challenge Fund

Managed by a partnership of Scottish Enterprise, Highlands & Islands Enterprise, Scottish Government and the Scottish Funding Council, the CAN DO Innovation Challenge Fund aims to:

- Find solutions for societal and service delivery challenges faced by the public sector
- Improve public service quality and reduce delivery costs
- Boost Scotland's innovation and economic development performance.

Challenges must meet the aims of the fund - to solve and improve public services and boost Scotland's economic development.

Benefits for getting involved include:

- The opportunity to explore creative solutions to operational challenges.
- Improved service quality and reduced delivery costs from solutions customised to organisational needs.
- Up to 100% funding to find and develop solutions with innovative businesses.

Downloadable guidance and application forms and the dates for the next call can be found at *www.scottish-enterprise.com/can-do-innovation-challenge-fund.*

Deadline for applications is 31st March 2020.

Horizon 2020 / Urban Europe / ERA-NET Urban Accessibility & Connectivity (ENUAC)

Creating and testing new solutions and approaches for sustainable urban mobility.

Projects are expected to be co-creative and have strong stakeholder participation. Research should be based on actual urban challenges and the results should lead to new approaches, tools, instruments, insights and knowledge that will bring stakeholders closer to sustainable urban accessibility and connectivity.

The Call is divided into the following five challenges:

- Challenge 1: Evolving solutions for an integrated approach on sustainable urban physical mobility and transport, land use and digital connectivity
- Challenge 2: Develop and support the implementation of innovative mobility systems and services with a potential to contribute to sustainable urban mobility
- Challenge 3: Transform and re-organise urban spaces to pave the ground for sustainable urban mobility and accessibility at local level, from the street scale to the district
- Challenge 4: Develop effective policy options for achieving a shift towards sustainable urban accessibility and connectivity
- Challenge 5: Change behaviours and perspectives towards sustainable urban accessibility and connectivity

Proposals must be attached to at least one challenge but may be related to several challenges.

Consortia must consist of at least three eligible applicants from at least three participating countries (Austria, Belgium, Cyprus, Denmark, France, Germany, Italy, Latvia, Netherlands, Norway, Poland, Romania, Slovenia, Sweden, Turkey, and the United Kingdom).

There are no fixed minimum or maximum limits for a project size. Medium-sized projects with total budgets requested from the funding organisations in the range of €1-2 million are typically expected. A total of over €20 million is available.

Application end date: 17/03/2020. More info at *https://jpi-urbaneurope.eu/calls/enuac/*

Innovating with Data across the public Sector – a Scottish Cities Perspective (DataFest 2020 Fringe event) | 12th March 2020 | Perth

This 'show and tell' event is offered in support of the Datafest 2020 theme **#Beyond Data – the real impacts of Data and AI on people's lives.**

The event provides an opportunity to hear about data and smart city projects delivered as part of the 'Scotland's 8th City – the Smart City' ERDF programme. Areas covered include:
• The importance of Data led Innovation
• Demonstrating the impact
• Sharing lessons learned

For more information and to register please go to *https://www.citizenticket.co.uk/events/datafest/innovating-with-data-across-the-public-sector-a-scottish-cities-perspective/*

Delivering Scotland's Digital Transformation Forum | 4th February 2020 | Edinburgh

With a feature keynote by Kate Forbes MSP, Minister for Public Finance and Digital Economy, Scottish Government, Holyrood Insight's Delivering Scotland's Digital Transformation Forum will bring together public sector services to examine how to make digitalisation a success.

The event will offer insight into the policy landscape of digitalisation, as well as how digital transformation can feed into organisational strategy. Attendees will also learn about the application of practical tools and technologies.

See agenda here: *https://holyroodinsight.com/event/3442/GYQMZO-1094257*

Public Sector Smart Working Conference | 12th March 2020 | Edinburgh

Holyrood Communications hosts the 2nd Annual Public Sector Smart Working conference on 12 March. The event is free to attend for Public Sector only staff, and includes:

• Panel discussion on smart working and productivity
• Smart Working within Government
• Strategies to successfully implement a smart working culture
• Looking beyond the bottom line benefits of smart working
• Redesigning how your workforce uses the office - balancing desire for efficiency with engendering collaboration between colleagues
• Examples of best practice: DCMS, Registers of Scotland & HMRC
• Embedding a culture of smart working

Further information from Adam McGovern / adam@holyrood.com / 0131 285 1692

For more info about the **8th City Update** newsletter please contact Stephen Birrell - stephen.birrell@glasgow.gov.uk | t: 0141 287 8645.

Ongoing opportunities regarding funding, events, and training will be circulated via 8th City e-Updates.