8ᵗʰ City Update

The **8th City Update** newsletter is for 8th City Advisory Group members, programme partners and stakeholders. It offers an overview of recent programme activity plus links to Smart Cities strategy, 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**
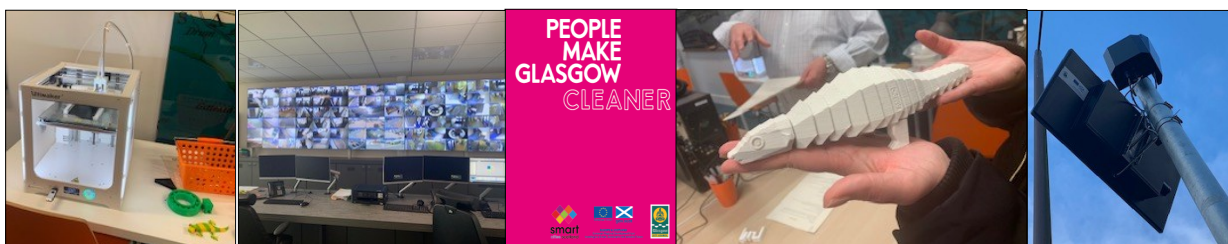
8th City projects: (L to R): Perth Innovation Lab; Dundee Public Safety; Glasgow Smart Waste; Perth Innovation Lab; and Stirling Smart Mobility.

8ᵗʰ City programme progress: January to May 2019

Welcome to the first 8th City Update of 2019. In a change from the specific project summaries provided previously (with the most recent update being in November 2018), this issue has a focus on wider programme developments.

Programme activity in recent months has involved Scottish cities working on both the delivery and, in a number of cases completion, of Phase 1 projects - as well as the development and initiation of projects for Phase 2 of the programme. The current status of activity across the 8th City programme is outlined over pages 2 to 4 of this newsletter - with selected outcomes highlighted against a number of projects.

With a number of projects either complete or progressing well in delivery, project leads have been able to high-light key areas of learning via the production of blogs and case studies. These provide opportunities to promote 8th City activity via sites such as the Scottish Cities Alliance website and blog page, Scottish Government / Managing Authority ESIF Bulletin; the Improvement Service's *Innovation Exchange*; as well as international Smart City portals and websites.

As city projects move towards completion for Phase 1, project leads are moving on to other roles. Amongst these changes has been Nicola McPhee taking over from Jonathan Brown as Programme Manager with the 8th City PMO. Many thanks to all who have contributed to the development and delivery of the 8th City Strategic Intervention - an ambitious programme of collaborative working across all seven cities, supported via the Scottish Cities Alliance and Scottish Government.

The 8th City PMO has also played a part in working with cities to create the administrative, financial and supporting framework for the programme. This work is being further developed for Phase 2 of the 8th City - with work ongoing in relation to outputs recording, the performance measurement framework, and effective reporting via the 8th City governance structures.

Thanks again to all programme partners and members of the 8th City Advisory Group for ongoing work to deliver Phase 1 activity and for contributions to the development of Phase 2 of the 8th City programme.

**8th City Programme Management Office | 8th_city_pmo@glasgow.gov.uk**

8ᵗʰ City programme (Phase 1) Update: January - May 2019

The 'Scotland's 8ᵗʰ City – the Smart City' ERDF Strategic Intervention is an ambitious programme of collaborative innovation across Scotland's cities. By working together the seven cities are seeking to make a step change in the use of smart technology for integrated city management, not just individually but collectively - so creating 'the 8ᵗʰ City'. Phase 1 of the programme was approved late 2015 and runs to 2020.

With Managing Authority (MA) approval in July 2018 of funding for Phase 2 of the 8ᵗʰ City Programme - covering activity to 30ᵗʰ September 2022 - the current value of programme investment (ERDF plus match funding) across Phase 1 and Phase 2 is approximately £58.1M (though this may be subject to change as a result of Phase 1 budgets being re-profiled, as well as shifting project priorities for cities).

This update seeks to highlight progress in delivering Phase 1 projects and to introduce the Phase 2 elements of the 8ᵗʰ City programme - including the shift towards city projects adopting a 'systems of systems' approach and utilising Internet of Things (IoT) capabilities. The 8ᵗʰ City programme can be summarised in the following schematic, depicting Phase 1 and phase 2 projects across Scotland's cities.
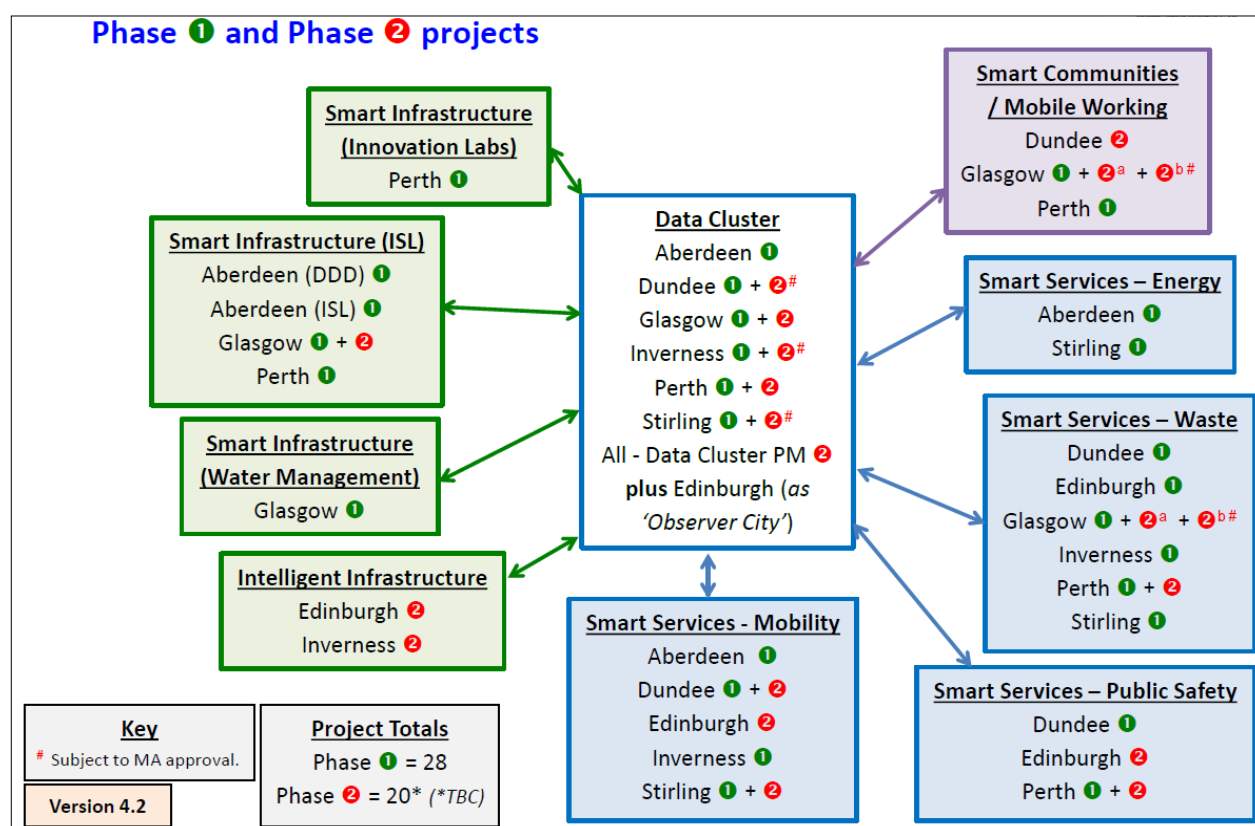
This shows that the 8ᵗʰ City programme will deliver almost 50 separate projects centred on data and digital technology, with the aim of expanding Smart City capabilities and delivering strategic priorities through improved community engagement, integration of service delivery and innovation.

Anticipated outputs across the programme are now noted as 114 innovative services developed in cities plus 415 datasets made available for innovation. Opportunities are being sought to develop additional projects which will contribute to these targets – subject to MA support and availability of European Structural Funds and appropriate match funding by cities.

A number of Phase 1 projects were completed by April 2019. These include:
- Intelligent Street Lighting projects in Aberdeen (Digital Data Development - DDD) and Perth;
- Open Data projects in Glasgow and Stirling;
- Smart Mobility project in Stirling; and
- Smart Waste projects in Glasgow and Stirling.

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The 8th City PMO is working with project leads to ensure that Project Closure Reports are completed, Case Studies produced, lessons learned are captured, and all aspects of asset, information, and knowledge sharing is documented for the benefit of partner cities and wider stakeholders.

Outcomes and benefits linked to Phase 1 projects completed, or being progressed, include:

Open Data platforms in Aberdeen, Dundee, Inverness, Perth, and Stirling, complementing those already developed by Edinburgh and Glasgow; there is real value in all seven cities having platforms in place to make data available for use in developing new products and services.

Glasgow has delivered a **Data Analytics** project for Phase 1 of the 8th City programme (and will extend & enhance this work during Phase 2). This helps to address city challenges by improving the efficiency and effectiveness of service delivery and delivering better outcomes. Glasgow has produced a Project Closure Report as well as Case Studies in relation to the following areas of project activity: Design-led Thinking; Data Matching; Data Modelling; Data Visualisation; and Equal Pay.

One outcome of this Phase 1 project is as follows: Glasgow's data matching project on Auto entitlement for Clothing Grants identified 5,500 additional children eligible, equating to £286,000 additional income. Overall, 20,000 children automatically now receive payments without any input from parents or Council staff. This increase in grants equates to £2.2m guaranteed automatic income for vulnerable families, and rises to £3.19m when all 29,000 claiming families are accounted for.

Intelligent Street Lighting (ISL) systems in Aberdeen, Glasgow, and Perth are combining LED lamps with a Central Management System (CMS), supported by wireless communication networks. This ISL infrastructure is significantly reducing electricity consumption and wastage of energy (with efficiency savings of around 70%), and is creating connected networks - providing consumption data and opportunities for linked assets to support an Internet of Things (IoT) system. The migration of street lighting infrastructure to intelligent street lighting marks a paradigm shift in city infrastructure. It has potential to transform street lighting columns from being single-purpose nodes that are used to light streets, to multi-functional connected nodes within a city-wide network that provides a range of digital services.

Smart Mobility projects are currently being delivered across a number of Scottish cities, with installation of the Stirling Movement Information Platform completed at the end of 2018. This involves enhancement of Stirling's journey-time monitoring system and expansion of cyclist monitoring with the addition of pedestrian counters.

Inverness is also investing in a range of urban transport monitoring projects and Dundee is exploring new opportunities for increased use of shared vehicles and low carbon travel options. The Dundee ShareMORE project uses digital technology and data to create new Mobility-as-a-Service (MaaS) business models. MaaS encourages the sharing of mobility assets, such as cars, bikes and public transport operations in both a community and corporate fleet setting. Dundee's use of a 'Living Laboratory' process has informed the procurement of innovative companies with service designs ready to test in a live environment, as well as the deployment of technology for city parking infrastructure and data to support MaaS sharing operations. See the Dundee Smart Mobility ShareMORE case study on page 6.

Sensor-enabled **Smart Waste** bins in Dundee, Edinburgh, Glasgow, Perth, and Stirling which are helping cities become more resource-efficient, improve waste collection strategies, reduce transport costs (and carbon emissions) linked to routing and scheduling, and deliver cleaner streets. The Perth Smart Waste blog, on page 5, highlights a further aspect of their project which is tackling fly-tipping.

Smart Infrastructure – Water Management, scheduled to complete in December 2019, this Glasgow project is pioneering a new digital surface water drainage system to create Europe's first Smart Canal and will unlock 110 hectares across the north of the city for investment, regeneration and development, and will see the Forth & Clyde Canal connected to five new communities over the next 10-15 years. A short video explaining the operation of Glasgow's Smart Canal can be found **here**.

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Smart Communities – Mobile Working: Glasgow and Perth are delivering Phase 1 projects on Mobile Working (with Dundee progressing this as a Phase 2 activity). Mobile Working projects aim to maximise the efficiency of staff working in the field by:

- Making better use of technology to create a flexible workforce;
- Providing the information they need direct to them in the field; and
- Providing real time information back to the back office system.

The Glasgow Mobile Working project has delivered eight Apps to support Environmental and/or Social Care (including: Core Bulk Uplift; Streetscene Observations; Data Collector Apps; Devices for Smart Bins; Transport and Support Services; and Homecare Overtime) - with further Apps in development. Outcomes include:

- Improved service delivery: reduced staff travel time; higher productivity – with more capacity to stay working out in the field; increased employee and customer satisfaction; and reduction in customer complaints.
- Improved response times: 90% of Bulk Uplift requests completed within 10 days rather than 28 days; also, the number of requests outstanding has been reduced by 90% - resulting in a 60% reduction in complaints.
- Release capacity and Resource management: The transport App has released capacity by approx. 20%, providing opportunities to reallocate resources.
- Reduced administration: Reduction in the need to produce and process printed material has led to reduced administrative costs, reduced carbon emission, and reduced carbon footprint.
- Data accessibility: Data captured via the Apps provides service visibility for review, management information, and identification of service improvements.
- Lone worker safety: Improved communications and the ability to identify staff locations (and issue alerts when planned communication is not received) has made 2,700 home carers safer.

Both Glasgow and Perth have shared information on their approaches to Mobile Working, including hosting show and tell events for wider stakeholders. Glasgow has also produced a Business Engagement Toolkit providing a detailed overview of project processes and development.

In recent months the 8th City PMO and partners have worked on an update to the Performance Measurement Framework for the programme. This was informed by input via a workshop of Data Cluster members and enables outputs, outcomes and benefits to be identified, sourced, monitored and reported across the 8th City programme.

Following on from the Scottish Government Audit Authority (AA) undertaking (in October/November 2018) the scheduled Article 127 Audit of Operations related to the 8th City programme, the Verification and Compliance report (Final) was issued by the AA to the MA on 6th February 2019. Prior to this, at the 8th City Advisory Group meeting of 21st November 2018, city representatives were advised of Audit findings, including AA feedback that:

- Governance structures, systems, processes and procedures are fit-for-purpose (with positive comment in relation to approaches developed by cities and PMO;
- Financial management systems – written explanations required from cities (for future audit);
- Marketing and publicity to acknowledge ERDF support (incl. signage where required);
- Financial penalties applied to 2 procurements (due to gaps in audit trails) and irregularities in some staff costs (inclusion of sick pay, overtime and travel) – 'corrections' to be applied to future claims; and
- Total penalties / corrections = 3.4% of the overall value of the claims audited (although this is low in comparison to other Strategic Interventions, the European Commission threshold is 2%).

The PMO recently completed the annual cycle of project monitoring visits, with visits undertaken to all seven cities between February to May 2019. These visits incorporated a focus on progress against project delivery and deliverables and will support adoption of consistent practice in 8th City project development and delivery. This provides mitigation against the risk of potential issues identified in any future audit of the 8th City programme.

Collaboration is key to the 8th City programme with all seven cities working to develop projects which are open, scalable, replicable, and inter-operable. The cities are also committed to knowledge exchange, sharing of experience and learning, mutual support, and sharing of assets and resources.

By engaging collaboratively on the 8th City programme, Scotland's cities ae also working in partnership to enhance their Smart City status – globally recognised as a key attractor for investment. The digital infrastructure and new initiatives being developed and adopted by the cities will help improve air quality, traffic flow, reduce energy use and improve the quality of life for everyone who lives and works in the cities.

8th City Programme - Information Sharing

8th City project blogs and case studies

One of the ways in which 8th City projects can show evidence of progress and share 'process' information with partners and stakeholders is via case studies and blogs. These can be produced at any stage of project delivery, not just as a summary of activity post-project completion. Case studies are a useful way to highlight a particular aspect of a project, and could include information about challenges and obstacles along with actions in response.

Case studies are published initially via the SCA website and blog page—with opportunities also sought to promote 8th City activity via: Scottish Government / Managing Authority ESIF Bulletin; the Improvement Service's *Innovation Exchange*; as well as international Smart City portals and websites.

See Perth Smart Waste blog below and, over pages 6-8, a Case Study about Dundee's approach to Smart Mobility.

8th City Project Blog: Perth Smart Waste

Tackling fly-tipping through the Perth Smart Waste project

One of the objectives of the Perth Smart Waste project is to tackle fly-tipping by using the FlyMapper application owned by Zero Waste Scotland to report and manage fly-tipping incidents. It combines field recording of incidents via a mobile application and allows management of data through a central database which is shared by organisations such as local authorities, SEPA and Police Scotland.

While developing the proposals for the rollout of FlyMapper to operational teams, the Smart Waste Team was made aware of the Council's Corporate Mobile Working solution, TotalMobile. Subsequent discussions between Waste Services, the IT Mobile Working Team and Zero Waste Scotland have confirmed that TotalMobile can meet the project's requirements. As a consequence, the decision has been made to connect both applications and record the fly-tipping incidents via a bespoke TotalMobile solution.

Collected data then will be sent to Zero Waste Scotland for upload into their FlyMapper global database via an automated feed ensuring PKC contribute to the national data capture on fly-tipping. The advantage of using the in house TotalMobile application is the possibility to deliver additional functionality for PKC like details of overflowing bins, damaged bins or dog fouling. The introduction of this new and bespoke TotalMobile application could potentially be applicable for other Cities.

Perth Street-Sweeping Crews were introduced to the new smartphones and the TotalMobile application last September and after 6 weeks of support have been independently using the application on a daily basis. The new reporting tool has proved to be very successful and eliminated the need of a manual, paper recording of fly-tipping incidents. . It has also helped with the recording of evidence of fly-tipping in that all of the evidence can now be recorded through the application without the need of collecting it from the dumped waste and bringing it into an office environment to action.

To strengthen the FlyMapper / TotalMobile introduction and to maximise its impact, the Council has reinstated the Fly Tipping Forum. First started in May 2018 the meeting between Perth and Kinross Council and SEPA was the first step in partnership work to tackle the growing and complex fly-tipping problem. More parties have now joined the Fly Tipping Forum including the Police Scotland, Zero Waste Scotland and major landowners. Other interested parties who are involved in fly-tipping then joined the subsequent Fly-Tipping Forum meeting in October 2018 (Zero Waste Scotland, Police Scotland and several major landowners). It is hoped, long-term, that the Forum will help to share the available intelligence and will be a key to reducing the scourge of fly-tipping in Perth and Kinross.

Magda Jakub, Smart Waste Systems Officer - MJakub@pkc.gov.uk

8th City Project Case Study: Dundee Smart Mobility

Developing ShareMORE smart mobility pilots for the Dundee Mobility Innovation Living Lab - The MILL.

SUMMARY / BACKGROUND

Part funded via the 2014-2020 ERDF programme, Dundee's Smart Mobility project aims to establish the Mobility Innovation Living Lab (The MILL) as an international innovation centre, making Dundee a place for innovators to come and test exciting new transport services and technologies.

The innovations developed at The MILL will reduce the environmental impact of transport, addressing growing concerns about rising levels of carbon emissions and air pollution. The main source of man-made air pollution in Dundee is road transport, from fossil fuelled vehicles.

The MILL innovation projects will also find solutions to social problems related to mobility. 50 per cent of people in Dundee don't own a car, so different methods of moving around the city are vital.

The MILL will contribute to, and build on, Dundee's reputation as a local, national and international beacon for smart mobility projects and as a centre of excellence for design and innovation. This Smart Mobility project is just one of Dundee's projects within the 'Scotland's 8th City – the Smart City' ERDF Strategic Intervention which supports an ambitious programme of innovation across Scotland's cities.

THE CHALLENGE

Our challenge was to develop a programme of innovation pilots that would both generate significant benefits for Dundee's mobility network and bring new mobility services to market for the first time. The aim was to find and shape projects that would reduce congestion, improve air pollution, make the city easier to get around for all the citizens and visitors, as well as creating economic opportunity for the organisations involved and the city itself.

The challenge was to identify organisations with novel services and technologies that would be at the right stage of development to, if successful, be fully deployed in the city without further investment from Dundee City Council.

INTENDED OUTCOMES

The intended outcome was to initiate a series of pilots that contribute to Dundee's reputation as a local, national and international beacon for smart mobility projects and as a centre of excellence for design and innovation.

Through the Living Laboratory process, smart mobility solutions are be refined, a sustainable business model identified, and routes to market established to allow these solutions to be commercialised and shared with other cities.

ACTION / APPROACH TAKEN

The first wave of projects to be delivered come under the heading of ShareMORE (Shared Mobility and Resource Efficiency). The MILL will develop, test and validate these smart mobility products in a way that can be tailored to the specific needs of Dundee citizens, then up-scaled for use in Scottish cities and further afield. This approach will be achieved through partnership working within projects and co-creation with end users.

Dundee City Council offered the tenders in different 'lots', designed to align with 8th City Award work packages. These were to enhance the sharing of vehicles to broaden the multi-modal public transport infrastructure in both a consumer and corporate fleet arena (Work Package 2), to create a smart mobility hub as a physical location to demonstrate a parking zone that supports the share more concept (Work Package 3) and the data infrastructure that supports the business process, encourage behaviour change and provide smart city metrics (Work Package 4).
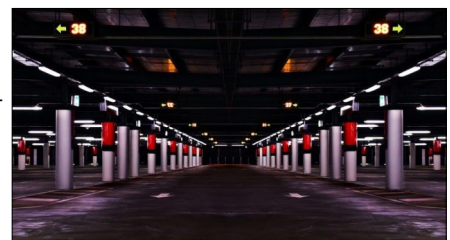
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Dundee's approach to initiate the pilot projects can be summarised in three types of activity, as follows:

Communication - The approach was to engage with as many different providers of services as possible in a variety of ways – with an extensive communications strategy which included advertising in local press, social media and The MILL website. A 'meet the buyer event' was held to increase visibility of the procurement activities, with over 30 business participating in the event. The MILL also presented at national and international conferences.

Procurement – Dundee City Council undertook an open procurement process which was specified clearly around the desired outcomes of ShareMORE programme but with flexibility for suppliers to present innovative solutions.

Shaping – Once contracts were awarded, we worked closely with the appointed suppliers to shape their proposed solutions to the particular context and needs of the city, in a way that would give them the highest chance of success. Subject matters experts and local stakeholders were, and continue to be, closely involved in this ongoing co-creation process.

OBSTACLES & ISSUES

Some aspects of standard public procurement approaches presented potential obstacles to attracting and identifying the best pilot projects. The existing methods are well suited to procuring the most cost-effective service against a clear specification. However, to encourage innovation, Dundee City Council prepared the tender documents for the MILL pilot projects in such a way that left the market to come up with their best ideas to solve the challenge. This enabled the participating businesses to develop the best viable concepts to meet the challenges and be at forefront of smart mobility innovation.

The MILL offers a different way of working with the public sector and this approach is relatively new and unknown to a lot of the businesses. To overcome this, there were a series of engagement activities through social media, local press, and an event to communicate that the council was aspiring to collaborate closely with private companies and users in order to produce better solutions. Once contracts were awarded, suppliers were briefed on the partnership model to be used and provided with 'starter packs' which set out in detail the context and approach.

RESULTS

The strategic engagement during the procurement process resulted in a good number of companies participating in the tender process with five companies awarded to deliver the pilot projects. The projects were successfully initiated with support from key stakeholders such as Council Leaders and Councillors. All project partners have also understood the need for collaboration to create an integrated approach to smart mobility in the city.

LESSONS LEARNED

Stakeholder engagement: The living lab approach that aims to bring sustainable transport and smart mobility services require sufficient time and continuous communication to work. It provides an opportunity to bring together stakeholders with diverse knowledge and experience, including suppliers, the Council and end users. This approach helps all partners to build solid relationship, to collaborate in tackling complex problems and to provide a more user-centric solution.
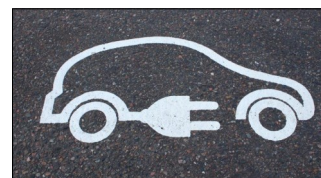
Procurement: Many prospective suppliers do not see the public sector as their natural customers for this kind of project. Using an outcome-based approach to the tender process with terms which don't restrict the wider commercialisation of solutions, means it will encourage innovation and appeal to a wider range of companies.

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Continuous communication and stakeholder consultation: With the importance of continuous communication and stakeholder consultation, it is worth noting that the procurement of innovative solutions to challenges may take longer to allow enough engagement to happen.

Innovation facilitation: Key factors for initiating the projects are to foster collaborative working approach amongst stakeholders in structured cooperation and discussions. Facilitating access to information and locations are important to promote innovation.

NEXT STEPS

The next step of the programmes is to provide necessary access and support to the pilot projects in the city, allowing the projects to co-create solutions with their target end user groups. Further integration with other projects will foster innovation to current services. We will continue to engage the citizens and wider community to disseminate findings and we will help to shape the solutions to ensure a sustainable business model is met and to provide a long-lasting service to the city.

CONTACT: Anna Day, Partnerships Manager | Urban Foresight - anna.day@urbanforesight.org

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Launch of Dundee MILL's Smart Mobility project - Smart Parking

There is a new way to pay for parking is now available across Dundee, as the award-winning JustPark cashless parking payment platform is introduced.

Using the JustPark app, drivers will now be able to pay for parking in any on-street bay or Dundee City Council pay-and-display car park. The new cashless payment system is cheaper and will gradually introduce innovations such as predictive availability of parking spaces and real time discovery of spaces. Five more trials will be developed over the next year, including a scheme which encourages drivers to park in different areas through incentives from local shops, pre booking and dynamic and emission-based pricing.

The project is the first to be launched from The MILL – The Mobility Innovation Living Lab – which is run by Urban Foresight and Dundee City Council. The MILL is an initiative which creates a testbed for companies to trial new innovations in Dundee. The MILL is part funded by the European Regional Development Fund (ERDF) Programme, as part of the Scotland's 8th City - the Smart City ERDF programme.

Anna Day, Partnerships Manager | Urban Foresight - anna.day@urbanforesight.org

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8th City programme input to GovNews learning exchange, Edinburgh

Graham Pinfield (Smart Perth Project Co-ordinator) presented at the end of February on behalf of the 8th City project to the Smart Working Scotland Conference. The conference was hosted by GovNews and provided an opportunity to highlight the direction and work being done across the Scottish Cities Alliance pertaining to ambitions to create links and smart cities throughout Scotland.

The event was attended by representatives from COSLA, SG Digital Directorate, NHS, Registers of Scotland and others. Whilst the focus of the conference was on smarter ways of working and smart workplaces for efficiencies and improved services, the 8th City perspective was well received. The 8th City broader perspective including the range of projects that cities are involved in – from smart waste to intelligent street lighting – in addition to projects such as mobile working demonstrated that for many organisations digital services and digital places go hand-in-hand. The benefits of collaboration between the cities and services within the cities were evident.

Graham Pinfield, Smart Perth Project Co-ordinator

Inverness invited to participate in Smart Space smart lighting project

The Highland Council was recently invited to join the Smart Space Interreg North West Europe project, TU/e Lighthouse, as a follower city.

This project aims to investigate the needs and op-portunities to set up pilot sites for smart lighting systems in the municipalities of Oostend, Sint-Niklaas (Belgium), Middelburg (Netherlands) and Tipperary (Eire), with a view to developing use cases and requirements for a smart lighting system through workshops in each of these areas.

In addition, 'deep dive workshops' will be held in eight 'follower cities' – small and mid-sized local authorities that would like to learn from the knowledge, experiments and evaluations that are being made by the main project partners. Follower cities will also be granted free access to the Smart Space Knowledge centre, where expertise and good practice will be available in an online collaborative platform (powered by LUCI Association).

As one of the follower cities, this will allow the city of Inverness, and The Highland Council as a whole, to gain an insight into the varying needs and use cases of a smart lighting system, and to add requirements and gain lessons learned for their own Intelligent Street Lighting project, part-funded through ERDF monies as part of Phase 2 of the 'Scotland's 8th City - the Smart City' ERDF Strategic Intervention.

Brian Robertson, Smart Cities Co-ordinator, The Highland Council - Brian.Robertson@highland.gov.uk

Using social media to promote the 8th City programme

As Phase 1 projects and Operations are progressed across the 8th City programme - with a number now complet-ed or near to completion - project leads are encouraged to publicise activity with partners and stakeholders. This includes a focus on information and knowledge sharing - via case studies, events, blogs, lessons learned, and pro-ject closure reports - as well as wider coverage through press and media articles.

When using social media to promote 8th City project and programme activity, 8th City partners should adhere to guidance in the 'European Structural Funds 2014-2020 - Publicity Requirements' (section 3.5), which states:

> **Social Media:** The Scottish Government has established a Twitter account for European Structural Funds (@scotgovESIF) which will be used to promote interest in ESIF activity among key interest groups and the general public in Scotland and also across Member States.
>
> Lead partners and Delivery Agents in receipt of European Structural Funds should:
>
> - ensure their own Twitter accounts are following @scotgovESIF;
> - where possible use the @scotgovESIF Twitter handle in posts designed to promote significant milestones in ESIF activity – for example where a lead partner receives funding from Scottish Government, awards European Structural Funds to specific operations or where an operation is completed;
> - retweet @scotgovESIF Twitter posts which are relevant to lead partner ESIF activity or European Structural Funds generally;
> - as much as possible support and promote any Twitter activity using European Structural Funds hashtags – i.e. #europeanstructuralfunds or #ESIF

When using Twitter to promote 8th City programme activity, cities should also include #smartcitiesscotland, #scottishcities, and @scottishcities in addition to the ESIF handle and hashtag(s) noted above, as well as those which are city or partner-specific. The 'scottishcities' links will enable wider sharing via the Scottish Cities Alliance communication channels.

Stephen Birrell, 8th City PMO - stephen.birrell@glasgow.gov.uk

8th City Data Cluster Project Manager at OASC Smart Cities conference, Brussels

This January I had the pleasure of starting in the post of Data Cluster Project Manager with the Scottish Cities Alliance, based with Dundee City Council, coordinating the work of the Data Cluster going forward. I previously have experience of working in the 8th City Programme, having been involved as the City Data Lead for Perth as well as the Interim Smart Perth Project Coordinator, so despite the change in scenery and job title, it has been comforting to start in a new role working with so many familiar faces!

A few weeks into the job, I had the opportunity to attend two consecutive events organised by the Open and Agile Smart Cities (OASC) held in Brussels. The OASC is a network of 120 cities from 24 countries based in Europe and throughout the world, with the goal of promoting and coordinating the development of the smart cities data and services market. All seven of Scotland's cities are active members of the OASC through the SCA, having joined in October 2015.

The first of these events was the annual OASC Council of Cities, the OASC's AGM, and the first in which the Scottish Cities had a physical presence. As part of this process, the attending cities confirmed a range of Minimum Interoperability Mechanisms (MIMs). These MIMs allows for minimum, light-touch standards on data gathered from IoT devices, which will allow for data sharing and interoperability between the IoT systems of the cities that comprise of the OASC's membership. Further on, there is also the goal of generating a common marketplace for IoT data enabled by these MIMs. In the afternoon, several workshops were held by the city representatives of the OASC, covering a range of subjects from technical standards to data privacy.

The second event attended was the annual Connected Smart Cities Conference (CSCC 19). Held in a striking former industrial building in the city centre, the event brought together several hundred attendees from across the public sector, private sector and academia, representing everything from small cities to national capitals and the European Commission. In addition to opening and closing speeches, it offered a number of themed talks by industry experts and practitioners from cities.

Also in attendance at the CSCC was Anna Day from Urban Foresight, representing the work being done on Dundee's Mobility Integration Living Lab (MILL) at a talk around Human-Centred Mobility, also including representatives from Oxfordshire County Council and the City of Antwerp.

The Dundee MILL is an ambitious initiative to create an innovation centre and test bed for Mobility projects within Dundee. At the centre of the initiative's remit are five ShareMORE Pilot Projects, all supported as part of the 8th city Programme, and include advanced, data-driven parking services and integrated ticketing. With these projects, the MILL has the goal of transforming Dundee into a true living lab for next-generation mobility solutions (link to: http://themill.scot)

Our joint attendance provided an opportunity to liaise with colleagues from across Europe and beyond, to discuss common challenges and opportunities around the effective use of data in a smart cities context and in the Mobility-as-a-Service field more specifically. Both events proved to be incredibly enlightening, and I'm looking forward to further opportunities to ensure the Data Cluster and wider 8th City Programme is liaising with similar initiatives throughout Europe and internationally.

Doug Young, Data Project Cluster Manager - doug.young@scottishcities.org.uk

Managing Authority / Scottish Government

The most recent issues of the **European Structural & Investment Funds (ESIF) e-bulletin**, published in May and March 2019, include information and updates on:

- Scottish Parliament Inquiry into post-Brexit funding.
- Changes to forms and guidance section of ESIF website, including new sections.
- Impact of EU exit on current programmes (see summary below).
- REGIOSTARS 2019 awards—open for submission.
- 'Horizontal Themes Guidance', outlining the meaning of each theme, the background behind the themes and how these are assessed and monitored. More info at https://www.gov.scot/ publications/esf-and-erdf-programmes-2014-2020-horizontal-themes-guidance/
- Lead Partner event held in Glasgow on 20th February 2019. Copies of presentations available here. The event included a number of discussion sessions at which key points highlighted include:
  - Claims and verification processes are slower than desired.
  - Evidence requirements are burdensome and difficult for certain participants.
  - Inconsistent interpretation of rules between the Managing Authority (MA), LPs and Audit Authority.
  - Site visits from MA have been helpful.
  - Communication about priorities and deadlines could be clearer.

ESIF newsletters can be viewed at: https://blogs.gov.scot/european-structural-and-investment-funds/
For more information please contact europeanstructuralfunds@gov.scot

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Reminder: impact of EU exit on current programmes

The text below is taken from the ESIF e-bulletin, and is copied for information:

Amid the uncertainty around when and how the UK leaves the EU, it is important to remember how this might affect the 2014-2020 ESIF programme.
Please know that there will be no loss to funding awarded during the current ESF and ERDF programmes following the UK leaving the EU, due to the following:

If the draft Withdrawal Agreement (WA) is agreed, the UK will continue to participate in the multiannual financial framework 2014-2020 through to closure of the programmes, as per Articles 137 and 138 of the WA.

In the event of no agreement between the UK and the EU, the UK Government has confirmed it will provide MAs with funding towards projects approved before 31 December 2020. This was confirmed in the House of Commons on 24 July 2018.

The detail of how the UK Government guarantee will work is nearing completion and we will update you when we know more. For further information on how EU exit affects European Structural Funds, please view the UK Government's recently updated technical notices on no-deal guarantees for ESF and ERDF.

By-bye, Participant Portal! Hello, Funding & Tenders Portal!

At the end of 2019 the European Commission phased out the Participant Portal and created the Funding & Tenders Portal as the entry point for participants and experts in funding programmes and tenders managed by the European Commission and other EU bodies.

The portal allows searching for EU funding and tender opportunities, and managing grants and contracts in the one place. The new portal covers about 15 EU funding programmes (i.e. there are still programmes managed in other places). However, by the start of the next EU Budget period (2021), the portal will cover all centrally managed EU funding programmes.

More info at **https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/home**

The Meeting City Challenges Programme intends to unlock regional-wide barriers to economic & social growth within the UK via the role of innovation. Via a series of City hosted roadshows taking place in 2019 & 2020 the roadshows will bring together Cities & Town leaders to discuss their current social & economic challenges. Each Roadshow will provide CPD accredited learning via a workshop environment in which leads can share best-practice, solutions, guidance and support to overcome some of the common challenges facing local authorities. Through a collaborative approach, the programme will benchmark regional impact to date allowing us to illustrate what a nationwide approach to smart cities can look like.

The one day Roadshows will provide a range of benefits including:

- Identifying suitable pathways to meet your city challenges.
- Unlocking procurement to enable progress on driving innovation where available and useful via Crown Commercial Services.
- Sharing best practices and learning what worked and what didn't between cities & towns regionally to drive collaboration and share resources.
- The role technologies can play within a pathway.
- How you can engage with citizens effectively.

The Scotland Roadshow takes place on November 21st in Perth.

Registration and further details at- https://www.smartcityuk.com/roadshow-meeting-city-challenges

Smart Cities Policy and Research

Smart City Cookbook published by City of Tampere

Launched at the Tampere Smart City Week in October last year, the Smart City Cookbook offers an introductory guide with many examples for smart city program managers and developers to use in defining the operational framework for managing smart city activities. **Smart City Cookbook Free Download here**

For further information the Smart City Cookbook - and wider learning opportunities provided by City of Tampere to develop smart city program and project management skills - please contact **Nick Cotton, Planning Officer, International Affairs, Tampere - nicholas.cotton@tampere.fi / +358 (0)44 423 5323**

The economic impact of Digital Inclusion in the UK

Today in the UK, there are over eleven million people who lack the basic digital skills they need to participate fully in the digital economy. There is a clear digital divide, harming those who are left behind and, by 2028, the UK will be missing out on almost £22 billion of value as a direct result.

Good Things Foundation commissioned research in order to understand both the scale of the challenge and what can be done to do to end it. The problem is a real and significant one - if nothing changes then more than 10% of British people will still be digitally excluded by 2028. However, it is argued that the digital divide can be bridged by services and partners working together so that we all benefit from digital.

Further info and report **here**.

Events and Training Opportunities

Data Analytics Roadshow - 5th June 2019, Tontine, 20 Trongate, Glasgow

Glasgow City Council is holding a Data Analytics Roadshow at the Tontine Centre of Civic Innovation, Glasgow on Wednesday 5th June 2019 at 11:15-13:30. A sandwich lunch will be provided.

The Roadshow event will showcase work currently under way between SMEs and partners participating in the ERDF BE-GOOD project and will be attended by partners from the Netherlands, Belgium, France, Ireland and Luxembourg.

The focus for Glasgow will be a presentation from the SME Mydex which is developing a tool to help solve the Glasgow city challenge of 'How do we better connect people and place using public transport to address social isolation' and assisted by the CivTech innovative procurement process. Other SMEs working with partners will also present their solutions to other challenges. The roadshow will also be reviewing other examples of ongoing data work currently under development in Glasgow.

To attend, or for further info, please contact James Arnott, Glasgow Council - **James.Arnott@glasgow.gov.uk**

How location intelligence is shaping the future of mobility - webinar, 26 June (4pm)

The greater use of shared transportation services is changing how we move about our cities. This presents an opportunity for new mobility businesses to deliver more personalised, on-demand services as they put consumers at the heart of their organisations. In this webinar, speakers from HERE Technologies present current business and operational challenges mobility organisations are facing, key business drivers and our approach to overcome the challenges with our recently launched Auto Mobility Operations solution to specifically address the near-term operational efficiency improvements needed by companies offering new mobility services, such as car-sharing, ride-hailing and ride-sharing services. Register **here**.

Knowledge Hub Online Facilitators Walkthrough - 26 June

The 8th City programme has a number of thematic network groups hosted on the Knowledge Hub information sharing platform - including: Open Data; Smart Mobility; Smart Waste; Mobile Working; Intelligent Street Lighting; etc. Each group has at least one facilitator or group administrator.

Knowledge Hub offers regular webinars for facilitators so, whether you're new to group facilitation or would benefit from a reminder of the tools available, the next walkthrough webinar takes place on Wednesday 26 June.

Find out more and book your place.

Digital Equalities Initiative - 27th June, The Lighthouse, Glasgow

Good Things Foundation and JP Morgan supported by SCVO are launching significant new research on how digital can drive economic inclusion in three main areas - financial health, jobs and skills and small business support. Join them, and a range of engaging speakers and partners, to discuss how the findings can drive innovative new programmes and how you can get involved.

Email **matt.moxon@goodthingsfoundation.org** to reserve your place.

Photographs used with permissions and/or acknowledgement. Information in the **Funding** and **Events and Training Opportunities** sections of the 8th City Update newsletter is generally sourced from **IDOX Information Exchange**, **GCVS Equality Information Service - Funding Extra**, and **GRANTfinder 4 Local Government**.

Issue #13 of the **8th City Update**, covering programme activity during Spring/Summer of 2019, will be out in August. To contribute updates on 8th City projects and activity please provide info by 19th August 2019. For more info contact Stephen Birrell - stephen.birrell@glasgow.gov.uk | t: 0141 287 8645. Ongoing opportunities re funding, events, and training will be circulated via **8th City e-Updates.**