

# **West of England LEP Board Board Meeting**

Monday, 6 March 2023, 9.30 am To Be Held Virtually

# **AGENDA**

	Subject	Presenting	Pages
1.	Welcome from Chair Apologies received in advance of the meeting from Will Godfrey.	Richard Bonner	
2.	Minutes of the meeting of 18 January 2023 To approve minutes from the previous meeting.	Richard Bonner	3 - 6
3.	Declaration of Interest All Board members have a responsibility to treat all proposals/projects equally and impartially and must therefore declare whether they or their organisation has either a direct or indirect interest in any of the projects to be considered by the Board.	Richard Bonner	
	Items for Discussion		
4.	West of England Cultural Plan To inform members on progress against the West of England Cultural Plan, overseen by the Cultural Compact.	Sue Rigby/ Stephen Bashford	7 - 10
5.	Skills Update A discussion on the range of regional skills programmes currently being delivered or in development, overseen by the West of England Skills Advisory Panel.	Chris Grier/ Joanne Rumley/ Stephen Bashford	11 - 14
6.	West of England Digital Plan An opportunity to consider the draft West of England Digital Plan and provide feedback and views.	Freyja Lockwood	15 - 48
7.	Any Other Business	All	
	Items for Information		
8.	Papers for March Committees Feedback to LEPChair@westofengland-ca.gov.uk in advance		

of the meeting on the 17th March.

#### West of England LEP Board

Wednesday 18 January, 9:30am Meeting held "virtually" via Zoom

#### Present:

Richard Bonner, Arcadis (Chair)
Prof Sue Rigby, Bath Spa University (Vice Chair)
Christopher Grier, Airbus
Joanne Rumley, Foot Anstey
Katharine Finn, PwC
Margot Day, Arup
David Brown, The Bristol Port Company
Neil Douglas, Viper Innovations

Nigel Costley, TUC South West Cllr Kevin Guy, Bath & North East Somerset Council Mayor Marvin Rees, Bristol City Council Cllr Steve Bridger, North Somerset Council Cllr Toby Savage, South Gloucestershire Council Mayor Dan Norris, West of England Combined Authority

#### Officers in Attendance:

Richard Ennis, West of England Combined Authority Jess Lee, West of England Combined Authority Stephen Bashford, West of England Combined Authority Kieran Highman, West of England Combined Authority Dave Perry, South Gloucestershire Council Melissa Houston, West of England Combined Authority Andy Cornelius, South Gloucestershire Council Stephen Gerrard West of England Combined Authority Selonge Russell, West of England Combined Authority

#### Also Present:

Cllr Winston Duguid, Chair of Scrutiny Committee

Martyn Davies, West of England Combined Authority [item 7 only]

#### Apologies:

Cllr Kevin Guy, Bath & North East Somerset Will Godfrey, Bath & North East Somerset Stephen Peacock, Bristol City Council Patricia Greer, West of England Combined Authority Jo Walker, North Somerset Council

# Minutes

1.

3.

#### Welcome from Chair

Richard Bonner welcomed members and gave an updated on recent changes to the business membership:

- Zoe Metcalfe and Natasha Swinscoe came to the end of their term and have stepped down -Gratitude for their time and contributions to the LEP Board were noted.
- Joanne Rumley and Margot Day have accepted the offer to extend their term for another 3 years. The LEP Board now has some vacancies and this will be addressed once the LEP Integration is complete.

Apologies were noted

# 2. Minutes of the meeting of 21 June 2022

The minutes of the meeting held on the 21 June 2022 were agreed as a correct record.

# **Declaration of Interest**

The Chair reminded Board members that they had a responsibility to treat all proposals/projects equally and impartially and must therefore declare whether they or their organisation had either a direct or indirect interest in any of the projects to be considered by the Board.

There were no declarations of interest.

#### Items for discussion

### Overview of the Region

Richard Bonner introduced the item and invited Richard Ennis, acting CEO for the LEP to introduce himself and provide Board members with an overview of regional activities from the Combined Authority (CA) perspective.

Richard Ennis took the opportunity to summarise some big investments happening in the region:

- £95m from Homes England for the Bristol Temple Quarter Regeneration Programme, which will deliver some 2,400 new homes alongside a significant upgrade to Bristol Temple Meads Station.
- Committee investment decisions in respect of The North Fringe, Quantum Technology and Hydrogen Sustainable Transport in driving forward matters of regional, local, and national importance.
- £540m through the City Region Sustainable Transport Settlement the highest amount of funding per head awarded in England.

We are looking to build our focus on delivery, which will continue to grow over the coming year, as well as strengthen partnerships across the region to ensure the right organisations are part of the planning and delivery of the next phase of work - we are working with SOLACE to shape this.

Richard also highlighted that the programme growth of the organisation is 2.5 times larger than 2022/23 which gives an indication of both the success we've had and the challenges ahead.

In discussion the following comments were noted:

- Having a high profile is great but providing housings/transport is key to keeping our economy moving.
- The West of England has some unique challenges, not least transport. Getting people around on buses is crucial and it is being impacted by the driver shortage which needs addressing.
- We have a tough 6 months ahead and if we delay inflation will eat away at our spending power.
- A prioritisation exercise was suggested to help support regional investment. By bringing together LEP partners there is an opportunity to look at our investment pot and understand the pipeline/narrative.

Richard also highlighted the difficult decisions ahead of Friday's Committee meeting on the supported bus services. ACTION: Combined Authority colleagues to provide a short summary for the business members on the outcomes to help engage support and share the changes through their networks.

### West of England Growth Hub

The West of England Growth Hub is impartial, free and has played a vital role in supporting our region's businesses - drawing together a wide range of interventions into a single coherent offer.

Despite its success, the Growth Hub faces ongoing challenges in maintaining and building on the high-quality service it has developed. The reduction in funding and the absence of longer-term funding settlements, will inhibit the ability to focus on the strategic issues that matter most to our residents and businesses.

Richard invited Stephen Bashford, Director of Business & Skills to provide members with a brief overview on the Growth Hub's delivery arrangements, performance to date and future opportunities.

Stephen began his presentation by highlighting the complex business support landscape which Growth Hubs have been set up to help simplify. The economy is in a fragile place and our region has seen an increase of support, particularly during the pandemic. Information on the impact, partnership working to address productivity was also shared, and Stephen thanked Neil Douglas for his support and work around advisory boards - an initiative where business leaders work with small businesses to share their knowledge, expertise and help them with their strategy.

Unfortunately, some services and programmes are coming to an end, and we need to put in place the next stage. The Combined Authority are therefore working with the UAs on a joined up strategic approach to business support.

4.

5.

Stephen concluded with a request for Business members to highlight if there are any critical issues the team should be thinking about in terms of the next stage and a plea for everyone to continue championing the Growth Hub and direct colleagues to its website.

An open discussion developed, and the following points were made:

- Chris Grier and Joanne Rumley spoke on behalf of the Skills Advisory Panel [SAP] Both feel the group is diverse and aligned to what's been heard today - Great to be able to see how things interlock.
- Members agreed that greens skills were in demand particularly the skills for car mechanics that understand software/technology applications.
- Although there are incentives to go greener with energy and heating, it's difficult to put into practice as finding companies to install air source heat pumps and solar panel is a real challenge.
- The scale of investment coming into the region is huge. Is there an opportunity to work with FSB to make sure local, small businesses are ready and able to bid for contracts? Get local supply chains ready.

#### Climate & Ecological Strategy and Action Plan [CESAP]

The Climate & Ecological Strategy and Action Plan has been in place since April 2022, and it sets out an ambitious approach to tackling the climate and ecological emergencies that have been recognised by the region.

Kieran Highman, Senior Project Manager introduced himself and updated members on the approach to revising the CESAP and work around updating the actions.

Last year's CESAP had five themes focusing on business, buildings & places, nature recovery, energy and transport etc but having reflected on the fact we are already experiencing climate impacts in the region (heat waves, flooding) and listening to feedback from stakeholders - a new theme "Climate Resilience" has been introduced. Each theme has long term 2030 ambitions, medium term actions [2024-2028] and actions for next year under them.

- 6. With a target of 23,000 green jobs to the region, a discussion focused on green skills developed and the following comments were noted:
  - Hydrogen is a growing industry companies are already looking for liquid hydrogen for 2025 to ensure there's enough. Other innovation growth areas were also recognised: SMR nuclear, Hydrogen, and offshore wind.
  - There is a national standard for carbon neutrality [PAS 2060]. Could the Growth Hub refocus on providing compliance information or training for companies to achieve this?
  - In order to achieve our target, we need to take everyone with us, including the small businesses who already have pressure on working capital. Are there opportunities for businesses to collaborate and share pots of funding?
  - A need to reflect what Government's Net Zero Review means for our region.
  - With the potential automotive opportunities happening in the region could we become a centre for training and mechanics, to service the growing number of EVs.
  - The long game is to work with schools to embed stem activities and promote work experience opportunities within the green sector to support the future workforce.

#### West of England LEP & IBB Forecast

Selonge Russell, Head of Finance took members through the headlines for the LEP budget and noted that the full report will go to Joint committee for approval on the 27<sup>th</sup> January.

Richard Bonner reflected on the information provided and felt members need to take stock for the future and what it means in relation to work around the LEP integration plans.

8. AOB

7.

# Items for information only

# Papers for June Committees

9. Richard Bonner will be attending the Combined Authority Committee and Joint Committee on the 27<sup>th</sup> January. Business members were asked to provide any feedback to Richard by **Wednesday 25 January**.



Agenda Item 4

West of England Local Enterprise Partnership Board meeting – Monday 6<sup>th</sup> March

# **West of England Cultural Plan**

# Purpose of the report

1. To update on progress against the West of England Cultural Plan, overseen by the Cultural Compact, chaired by Professor Sue Rigby

#### Recommendation

For Board members to note background ahead of update and discussion at the meeting.

#### Overview

The <u>Cultural Plan</u> launched in February 2022 is a ten-year plan with 4 priorities:

- Wellbeing: this priority particularly focuses on how access to arts and culture can boost health and wellbeing, reduce social isolation, and increase life chances for our community particularly for marginalised communities.
- Cultural and Creative Skills: this priority is around ensuring young people have
  opportunities to experience high quality arts and culture in and out of school; increasing
  the pathways into our creative sector and diversifying our workforce.
- **Placemaking:** this is about placing culture at the heart of local planning especially around regeneration and community. It's also about making the case of the economic and social value of culture to help attract inward investment into the region.
- Supporting creative freelancers, start-ups and SME's: this priority is around creating
  the right conditions and infrastructure for creatives to thrive in the region whether that's
  through access to funding and investment, strengthening networks, more affordable
  studio space or increasing opportunities for professional development, training and
  mentoring.

Wrapping around all of this are 3 cross cutting themes including **Environmental Sustainability**, **digital technology & Innovation**, **and inclusion**.

# **Delivery to date:**

**New appointment:** made in mid- October to roll out the delivery of the Cultural Plan – Creative and Cultural Programme Lead.

**Create Growth Programme:** The Combined Authority was 1 of 6 regions to be successful in bidding to DCMS for £1.275m to support local creative businesses to unlock economic growth. The Create Growth Programme will support high-growth creative businesses to scale and become investment ready through a targeted business support package. A first cohort of 30 businesses will be selected before end of March 2023 (30% target for diverse and disabled led businesses).



As part of the Create Growth Programme, **Innovate UK** launched a brand-new funding opportunity which closed for applications in early February. UK registered micro, small and medium enterprises in the creative sector can apply for funding of between £10k - £30k for innovation projects to grow their business.

**UK Shared Prosperity Fund (UKSPF)**: The Combined Authority's UKSPF Investment Plan includes plans to spend up to £500k on grants to small cultural heritage and historic institutions and pop-up museums. This will target small entities that are unlikely to be in receipt of any other public funding. The grants are mostly for small scale capital works to help improve amenities. The SW Museum Development network have been approached to identify current needs of the sector and help promote the opportunity when it comes on stream to its membership.

Citizen led decision making pilot – 3 sessions were held in January and February with the cultural sector to begin to shape a process and methodology for a citizen led model which will enable communities to shape cultural policy and influence where regional resources are spent. Successful application to Arts Council England for £14,800 and some match funding through Combined Authority and Gulbenkian Foundation will enable phase 2 of this pilot. The second phase will be more regionally located, working alongside communities and other cultural organisations to test and refine the process.

# In the pipeline:

# Combined Authority funded pilots include the following:

- 1. Green social prescribing pilot in Bath and North East Somerset growing the capacity of community organisations to deliver through creativity on public health pathways and influence policy within the Local Care Partnership. Partners include Wesport, NHS and the Bristol, North Somerset and South Gloucestershire Integrated Care Partnership, Bath Spa University, 3SG and B&NES public health team.
- Succession planning and professional development for emerging and established creatives who work in social prescribing and health and care settings in partnership with Arts and Health South West. Through a recent survey, practitioners were interested in opportunities for skills development, peer learning, mentoring, shadowing and supervision.
- 3. Early stages in scoping and piloting new apprenticeship scheme for production/technical roles for outdoor arts, live events and theatre as part of a national pilot on Portable Apprenticeships, working in partnership with Bristol based start-up Muti Immersive. Crafting a bespoke approach to tackling market failure by working collectively with industry, a training provider and the Combined Authority to grow and train talent pipeline for the sector. Industry advisory board now recruited.
- 4. Exploring development of a Regional Production Fund to incentivise and attract more TV and Film production to the region, building on the success of Bottle Yard Studios and others.
- 5. A task and finish group has been convened to support regional schools develop their Schools Music Development Plan (under the new National Plan for Music from Sept 2024, all schools will be required to have this). Through working with the 2 Music



Hubs in the region, we will support the development of these plans, linking schools to local arts and cultural providers and raising school aspirations regarding a wider creative offer embedded across the school and curriculum.

# Cultural Plan Delivery – External Funding Bids – pending and in development February 2023 to April 2023:

Six funding bids are in development/pending between now and April 2023:

1. **British Film Institute and National Lottery – National Skills Clusters.** £90k match from Combined Authority, £600k from National Lottery, will fund training and work placement programmes, to support routes to employment in below-the-line HETV and film roles for underrepresented groups including young people across the region. Interview held on the 7 February, decision before end of February 2023.

**Lead /Partners:** Combined Authority Lead, partners: The Bottle Yard Studios, Screen Cornwall, AsOne, Bristol UNESCO City of Film, Exeter University, UWE, Weston College, SGS College, Bath College, KWMC, Calling the Shots, City of Bristol College and Boomsatsuma.

**Meeting Cultural Plan priorities:** inclusion – a focus on engaging and creating pathways into culture and the wider creative industries for under-represented groups.

2. Arts Council England (ACE) – Place Partnerships Fund: Planned £1m in total – £500k ACE and £500k Combined Authority match. Deliverables/outputs: strategic place-based interventions which make a long-term difference and step-change to the cultural and creative life of the region. Combined Authority lead applicant. EOI to go in end of Feb/early March 2023.

**Meeting Cultural Plan priorities:** delivers on all 4 Cultural Plan priorities including Placemaking, Wellbeing, Talent development and supporting freelancers and creative SME's.

3. UK Research and Innovation (UKRI) Local Policy Innovation Partnerships-Working with Bath Spa University to support and enhance geographical networks of stakeholders to address social, community, economic and environmental priorities that contribute towards inclusive sustainable economic growth. Submitted 12 January, decision end of March 2023.

**Meeting Cultural Plan priorities:** utilising community assets and strengths to increase resilience as part of the recovery and as part of building sustainable futures.

4. **National Lottery, Bringing People Together.** Max of £500k for 2- year programme. Funding to increase diverse and inclusive cultural programming across the region. Combined Authority as lead, with partners Truro Cultural Compact, Bournemouth, Christchurch and Poole Cultural Compact, Falmouth University and Bath Spa University (We are the People) also need to identify a Welsh partner for the bid. Plan to submit bid March 2023.



**Meeting Cultural Plan priorities:** increasing community resilience, diversifying creative sector workforce and growing inclusive cultural offer.

- 5. Arts and Humanities Council/UK Research and Innovation: CoStar Network Lab. Led by UWE with six industry partners including the Combined Authority, this Network Lab will build an arts-led creative technologies capacity with the facilities and resources that will define, shape and lead future hybrid performance and experience across the region. £4.5m bid (plus partnership match) submitted 2 February and interviews to be held in May 2023.
  - **Meeting Cultural Plan priorities:** developing a regional immersive hub and economy for the SW as identified in the Cultural Plan.
- 6. **DCMS** through the Arts and Humanities Research Council. £200k for 2023-24 to support the Bristol and Bath R&D cluster to pilot approaches to how the creative industries/creative tech respond to the challenge of behaviour change in the green transition. CA will be an Executive Board member for duration of the project.

**Meeting Cultural Plan Priorities:** support cultural initiatives that promote changes in behaviour and contribute to accelerating our transition to Net Zero Carbon.

Author: Sarah James, Cultural and Creative Lead, West of England Combined Authority



Agenda Item 5

West of England Local Enterprise Partnership Board meeting – Monday 6<sup>th</sup> March

#### SKILLS UPDATE

#### Purpose of the report

 To update on the range of regional skills programmes currently being delivered or in development, overseen by the West of England Skills Advisory Panel, chaired by LEP Board members Chris Grier and Joanne Rumley.

#### Recommendation

For Board members to note background ahead of a presentation at the meeting.

#### Overview

The West of England produced its first comprehensive and ambitious Employment and Skills Plan in 2019 (see <a href="here">here</a>), which was based on a thorough review of the evidence available at that time. Significant progress has been made by the Combined Authority and partners in delivering against this Plan. The West of England Metro Mayor has set as a key priority the need to bring secure and fairly paid jobs to the region (including green), working with trade unions, local employers, skills providers and others, to help residents access these opportunities. The Combined Authority's skills portfolio has more than tripled from c£20m to c£60m within the last 2 years.

# Key progress to date includes:

- Reforming the devolved Adult Education Budget (AEB) which is supporting over 10,000 learners each year with foundational skills – to improve alignment with local priorities and better equip people with the skills needed to progress into and within work.
- **Promoting green skills as a career path and funding training** for the specialist roles needed such as retrofit, organisational sustainability, environmental data science, green technologies and engineering, and modern methods of construction.
- Launching the Metro Mayor's Good Employment Charter which is already working
  with over 100 employers to become even better at recruiting, supporting, and retaining
  their staff.
- Supporting people thorough the impacts of Covid-19 by flexing and adapting all existing provision (AEB, Future Bright) and through £20m regional recovery funding, quickly putting in place targeted additional support (Community Support Fund, Digital Skills Programme) to help build communities' and individuals' resilience.
- Helping over 3,500 people to progress in work through Future Bright, addressing precarious work and the cost-of-living crisis



- Supporting employers with their skills needs and established an apprenticeship
  investment and support service which has to date retained over £3m of
  apprenticeship levy in the region.
- Securing over £11m additional funds for skills training, empowering employers to address short- and medium-term skills needs including digital, construction, retrofit assessors, health, and management.
- Establishing specialist HGV and bus driver training, alongside targeted support for tourism and hospitality, to address critical skills and labour shortages.
- Through the West of England Careers Hub, delivering a range of school and collegebased initiatives, to better prepare young people for their next best step and achieve their potential including a new Green Futures Fund.
- Working with all partners through the Skills Advisory Panel, including our Local
  Authorities, HE and FE, and business, to establish a shared understanding of our
  changing economic picture, to understand the challenges and work to collectively on
  solutions. This included a review of post 16 infrastructure (here) and alignment with the
  West of England Local Skills Improvement Plan (LSIP) led by Business West.
- Designed Skills Connect, a new single regional careers and jobs advice service, supported by a new Mayoral Priority Skills Fund to help us respond flexibly to skills gaps as they arise.

**Looking forward**, the region continues to have a strong and diverse economy, with above average levels of productivity, low rates of unemployment, a highly skilled workforce, and high-quality jobs. There remain, however, considerable structural challenges with new ones emerging as the economic landscape continues to shift. Importantly, our employment and skills system must continue to adapt to the climate emergency and the creation of new sectors and technologies, while climate adaption needs to be embedded across all sectors including health, creative and digital.

Collectively, as a region, we need to address:

- Skills miss-matches and skills shortages in some sectors, but also within geographic and demographic communities where communities and individuals struggle to access opportunities.
- Low pay, particularly for part time workers, and insecure employment; Wage and occupational inequality and lack of progression in work for some, and a growing polarisation between higher and lower skilled occupations.
- Unequal educational attainment in schools, particularly for disadvantaged children
  and high numbers of young people not in education, employment or training (NEET) in
  parts of the area.



• Low awareness and participation in apprenticeship opportunities, and challenges for industry in utilising the Apprenticeship Levy.

The pandemic created new challenges. In the short-term, the economic and social impacts hit some groups harder than others and exacerbated existing regional inequalities. Whilst the recovery was faster than expected the scarring effect on these groups leaves a legacy which needs addressing. The pandemic also changed the face of employment, for instance, it caused a rise in unemployment and economic inactivity amongst older workers and increased health-related barriers to work. Young people missed out on work experience opportunities and the social elements of joining a new workplace, and many struggled.

The **sectoral impact of the pandemic was also uneven with some**, such as aerospace, retail, hospitality and tourism placed under greater pressure than others. Whilst the long-term impact remains to be seen, it is likely that some of these sectoral changes will be permanent, and that the shift to new technologies has been hastened.

The **speed of digital transformation** is a particularly pressing challenge, in terms of upskilling as well as keeping technology up to date. Digital skills are now essential to participate in all aspects of society as well as to support wider digital growth (57% of digital jobs are found in non-digital sectors). We have great resources to address these challenges in the West of England, including the Institute of Technology, the Digital Engineering Technology and Innovation (DETI) programme, HE and FE provision, but we need to ensure that digital provision is a cross cutting theme throughout our provision.

The pandemic also saw an **upsurge in home working**, which has become the new normal for many. Whilst home working offers many advantages the full impact on the world of work may be significant and may not yet be fully understood.

Our Post 16 Research (see above) indicates that providers are already experiencing excess demand for courses related to these sectors and that certain apprenticeship courses are over-subscribed. Furthermore, increased demand due to population growth is putting a strain on the region's providers.

National employment and skills initiatives provide opportunities to resource some of the region's priorities (e.g. the UK Shared Prosperity Fund and Multiply, National Skills Fund etc). However, the complex nature of the skills ecosystem, partly stemming from departmental silos at national level, as well as the short-term nature of the funding streams and inflexibility in some of the funded programmes is a barrier to achieving local skills and employment objectives. Further devolution of skills and employment support would help to overcome these barriers.

Authors: Naomi Logan, Head of People and Skills & Stephen Bashford, Director of Business and Skills, West of England Combined Authority





Agenda Item 6

West of England Local Enterprise Partnership Board meeting – Monday 6 March 2023

# West of England Digital Plan

# Purpose of the report

To obtain feedback on draft West of England Digital Plan (copy attached).

#### Recommendation

 LEP Board members to provide feedback on the draft Digital Plan and to consider how members may be able to play a role in supporting delivery of the Plan.

# **Background**

#### 1. Issue(s) – Acceleration of Place-based Digital Transformation

The Combined Authority and the West of England LEP agreed to fund a programme to accelerate place-based digital transformation and develop digital strategy for the region. The programme commenced April 2021.

The draft Digital Plan has been developed with specialise technical support, and extensive engagement with stakeholders across the region. Representatives from each of the four West of England Authorities along with university, business and third sector stakeholders have been involved through a series of development workshops held June-September 2022. The groups covered: evidence of regional needs/priorities and good practice; mapping of existing digital initiatives; identification of key strengths, opportunities, threats and weaknesses that a regional digital strategy should address; priority focus areas, outcomes and activities; and a review the proposed delivery framework.

# 2. Proposal/Solution – West of England Digital Plan

The draft plan sets out our collective ambition for the region, key strengths and assets, our priorities and a delivery framework detailing planned activities. It covers the West of England LEP area comprising the West of England Combined Authority (Bath & North East Somerset, Bristol, South Gloucestershire) and North Somerset. It aims to build on the digital strengths of the region, setting out shared ambitions that cement our standing as a global centre of digital innovation excellence and ensure our digital transformation is ethical, fair and sustainable.

The plan includes our ambitions to extend levels of connectivity in the region, as well as five additional priority areas:

- Digital Leadership The region demonstrates visionary, proactive leadership which
  provides confidence to partners and encourages collaboration and delivery partnerships
- Digital Infrastructure The region is digitally connected, with access to world–class digital infrastructure that is fast, secure and reliable
- Digital Inclusion and Skills Our people and businesses can get online and use digital services and our economy has the skills required for digital transformation at all levels



- Digital Growth Our businesses and third sector organisations are digitally capable and can maximise digital opportunities
- Digital Public Services The region delivers best in class digital public services to provide a better experience for residents
- Tech for Good Harness our digital innovation ecosystem to address key regional and global challenges

The delivery framework for each priority area articulates why the priority is important to us; where we are now; what we aim to achieve; what we will focus on to achieve the aims; and what actions the Combined Authority and its partners, including Local Authorities will take to deliver. This information will underpin the detailed implementation plan for 23/24 and beyond.

Delivery of the Digital Plan will require collaboration across the Local Authorities within the LEP area as well as with the business community and other stakeholders.

#### 3. Request of the LEP Board

The LEP Board is asked to consider the draft digital plan and provide feedback and views. In addition, the members of the LEP Board are asked to consider how they may be able to support the delivery of the plan and whether / how they would like to be involved in the development of the action plan as the next phase of this work.

Author: Freyja Lockwood, Digital Transformation Programme Manager



# West of England Digital Plan



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# Foreword

# TBC

- Mayor
- LEP Board Chair
- Joint statement from Councils

# Summary Plan on a Page

A snapshot of the challenges we need to address, our priories and our strategic objectives that together shape our approach and what we aim to achieve.

Digital Leadership - The region demonstrates visionary, proactive leadership which provides confidence to partners and encourages collaboration and delivery partnerships				
Challenges	Priority Area	Strategic Objectives		
Many communities do not have the connectivity they need. Without the right infrastructure people risk being left behind as digital infrastructure supports people's lives, our economy and regional ambitions.	Digital Infrastructure - The region is digitally connected, with access to world-class digital infrastructure that is fast, secure and reliable	<ul> <li>Meet 85% gigabit connectivity by 2025 across the West of England</li> <li>Maximise number of premises which have at least superfast coverage by 2026</li> <li>Maximise 4G and 5G coverage and capacity</li> <li>Boost community-based connectivity</li> </ul>		
People on the wrong side of the digital divide are more likely to experience poor outcomes that affect quality of life. Improving digital skills will help residents secure good jobs, progress in work and benefit from digitisation.	Digital Inclusion & Skills - Our people and businesses can get online and use digital services and our economy has the skills required for digital transformation at all levels	<ul> <li>Reduce digital exclusion</li> <li>Improve digital skills at all levels</li> </ul>		
Many businesses face barriers to digital adoption from skills through to finance. Helping our businesses to overcome these barriers will help them thrive, boost productivity and create new opportunities for local residents.	Digital Growth - Our businesses and third sector organisations are digitally capable and can maximise digital opportunities	<ul> <li>Increase the breadth and depth of tech adoption of digital transformation across our businesses and third sector organisations</li> <li>Increase utilisation of emerging technologies amongst our businesses so they can secure competitive advantages</li> </ul>		
Residents want public services to be safe, easy to use and designed around them. Using digital technologies and data we can deliver innovative, cost-effective public services that meet the needs of people across the region.	Digital Public Services - The region delivers best in class digital public services to provide a better experience for residents	Improve the experience of using digital public services     Unlock the power of digital across the public sector to deliver better outcomes for our residents		
There are many challenges we need to address. Digital can help us understand how to tackle challenges and develop solutions. By responsibly using tech we can deliver social value, sustainability and vibrant, inclusive places.	Tech for Good - Harness our digital innovation ecosystem to address key regional and global challenges	<ul> <li>Put the West of England on the map as THE place for cutting edge digital research, innovation and investment that finds solutions to key regional challenges</li> </ul>		

# Introduction

Digital technologies have revolutionised almost every aspect of our lives in recent years — changing the way we work, socialise, shop and go to school or college. This revolution accelerated during the pandemic when public, private and voluntary sector organisations put services online at a pace never seen before and more people than ever took up digital services. We now live in a digital world.

This digital world offers significant benefits and opportunities, including:

- Enabling people to work in new ways and access better jobs;
- Enabling people to access education, training and skills opportunities;
- Enabling people to reduce their out-goings and tackle the cost-ofliving crisis;
- Enabling businesses to become more productive, innovative and resilient;
- Enabling public sector organisations to improve the delivery of key public services and reduce costs; and
- Providing new tools to tackling challenges such as congestion, pollution, climate change and biodiversity loss.

However, there are risks/challenges to overcome. We need to ensure our digital transformation is ethical, fair and sustainable.

Not everyone has access to the services and skills they need to take advantage of the opportunities brought by digital technologies. Ensuring all our residents, businesses and wider organisations can operate effectively in this digital landscape is therefore essential to our economic recovery and long-term prosperity and is the focus of this plan.

# How will a plan help?

This plan has been developed by the West of England Combined Authority and its partners to facilitate the process of digital transformation across the area. The plan sets out our collective ambition for the region and will guide our activities and investment plans, providing us with a clear direction and purpose as well as sending a clear signal of our ambition to potential partners and investors.

# What does this plan cover?

The Plan covers the whole of the West of England LEP area which includes the West of England Combined Authority area and North Somerset.

Whilst the plan includes our ambitions to extend levels of connectivity in the region, we recognise that to be a truly great digital region, we must look beyond connectivity and consider how we make the best use of these new technologies to benefit our people. The plan therefore also includes our priorities to ensure:

- Everyone can get online and use digital services and our economy has the skills required for digital transformation at all levels;
- All our businesses and third sector organisations are digitally capable and can maximise digital opportunities;
- The region delivers best in class digital public services to provide a better experience for residents; and
- Using our digital innovation ecosystem to address key regional and global challenges such as Net Zero and nature recovery.

Digital transformation impacts and enables almost everything that we are trying to achieve. For this reason, our Digital Plan supports our other strategies and plans, as well as those of our partners locally and nationally.

# Regional Strengths

The West of England has a strong digital ecosystem which benefits from an internationally recognised tech hub and the largest tech workforce in the South West.<sup>1</sup>

We are well-connected and innovative. Boasting four prestigious universities, over 46,000 businesses and the UK's most productive tech cluster.<sup>2</sup> Our region is home to 1.1 million people, and with over 91 different languages spoken, we have a truly diverse, global outlook.

Our distinctive digital and tech sectors burst with innovation and creativity and have a wealth of expertise. We have capabilities in everything from fintech and immersive creative through to artificial intelligence (AI), quantum and biotech. The area is often highlighted nationally as a hub for 'Tech for Good', based on the prominence of organisations aiming to have a positive societal impact.<sup>1</sup>

In parallel we have an outstanding reputation as a creative hub and the chosen location for some of the best-known creative brands and businesses in the UK.<sup>3</sup> It is this intersection of creativity, digital expertise and innovative culture that creates the ideal conditions for developing solutions to key regional challenges (such as reaching our net zero targets and ensuring we have enough homes for our people) and fostering deeper relationships between our people and our places.

Tech-focused networks, such as TechSPARK and TechSouthWest, help bring people together, spark collaboration and new ideas, and raise the region's profile through large annual conferences. Our region hosts the UK Telecoms Innovation Network, a collaborative hub for developing new mobile and broadband technology.

The region has well-established world-class training facilities, digital tech hubs, incubators, accelerator programmes, shared development spaces, test-beds and open data platforms. These include:

- The University of Bath's Institute for Coding;
- The University of the West of England's Health Tech Hub;
- Bristol Robotics Laboratory;
- The SetSquared start-up accelerator which has supported over 4,000 entrepreneurs;<sup>3</sup>
- Science Creates a Bristol-based deep tech ecosystem supporting more than 100 companies;<sup>3</sup>
- South Gloucestershire's UMBRELLA project an open industrial Internet of Things;
- Bristol City Council's Open Data Platform;
- Bristol Digital Futures Institute; and
- Oracle's Cloud Development and HP Labs.

This digital innovation ecosystem provides us with a unique set of capabilities, which, when combined with our digital infrastructure, skills and digital businesses, puts us in an unrivalled position to act as a launchpad for digital transformation.

Our high capacity for growth and innovation, is reinforced by strong foundations. Programmes, such as FutureBright, are enabling local people to upskill and reskill, improving access to good jobs and the availability of in-demand skills. And the West of England Growth Hub, alongside programmes like Made Smarter, are making it easier for local businesses to adopt digital technologies, adapt and grow.

The West of England is a place where highly-skilled people live, ideas flourish, and businesses grow<sup>4</sup>, so we are not starting from scratch, but we want to

go further. We want to help bring these elements together to support our vibrant regional ecosystem and amplify their collective impact.

# Strength in Numbers

#### General

- 3 urban centres Bristol, Bath and Weston-super-Mare
- 4 local authorities: Bath & North East Somerset, Bristol, North Somerset and South Gloucestershire
- £40bn Economy The Bristol and Bath region is an economic powerhouse for the UK<sup>4</sup>
- Ambitious international region 1.1m population, over 46,000 businesses, 91 languages spoken<sup>4</sup>
- 4 top universities, 86,000 undergrads and postgrads in the region<sup>4</sup>
- Bath named best place to live 2nd year (Garrington 2022)<sup>4</sup>
- Regional 5G connectivity keeping pace with the UK
- West of England Combined Authority and regional Councils have all signed the <u>Local Digital Declaration</u>

#### Tech cluster

- Home to the 3<sup>rd</sup> largest tech cluster in the UK<sup>4</sup>
- Bristol is ranked as a top 10 UK tech city by The Data City<sup>5</sup> and by Tech Nation as a top 20 European city for tech investment<sup>6</sup>
- Bristol 5<sup>th</sup> on Digital Economy Council's new 'Levelling Up Power Tech League' of fast-growing regional tech hubs<sup>7</sup>
- Bristol No. 1 city in UK for tech jobs CompTIA <u>2022 UK Tech Town</u> Index<sup>8</sup>
- Region highlighted as one of the UK's top 10 FinTech clusters in the government-commissioned Kalifa Review
- Home to 4 unicorns, companies valued at over \$1bn<sup>3</sup> Graphcore, Pax8, Ovo Energy & Vertical Aerospace

- 47% of all our businesses are actively innovating and 57% of all digital jobs in the West of England are now found outside the 'digital' sector
- Our region is aiming to be carbon neutral by 2030, 20 years ahead of the UK target. We have already reduced emissions by 38% since 2005<sup>4</sup>

# Where do we want to get to?

This plan has been designed around five priorities that were developed and agreed by the Combined Authority and its partners. These are all underpinned by the need for Digital Leadership which supports the delivery of all five priority areas.

# **Priority Areas**

# Digital Infrastructure



The region is digitally connected, with access to world–class digital infrastructure that is fast, secure and reliable

# **Digital Inclusion and Skills**



Our people and businesses can get online and have the skills required for digital transformation at all levels

# **Digital Growth**



Our businesses and third sector organisations are digitally capable and can maximise digital opportunities

# **Digital Public Services**



The region delivers best in class digital public services to provide a better experience for residents

# **Tech for Good**



Harness our digital innovation ecosystem to address key regional and global challenges

# **Digital Leadership**

The region demonstrates visionary, proactive leadership which provides confidence to partners and encourages collaboration and delivery partnerships

# Our Framework for Delivery

In this section we set out for each priority:



However, we start by setting out our approach to the Digital Leadership Cross Cutting theme, which underpins all five priorities.

#### Case Study: Bristol's Social Housing Broadband Project

As part of the Bristol City Council One City Plan to address Digital Inclusion, Bristol City Council is working with telecoms companies to roll out ultrafast broadband (faster than 300 mbps download) in its social housing stock.

An initial pilot, initiated in late 2018, involved the Council working with suppliers to deliver better broadband into five social housing tower blocks (approximately 200 dwellings). This initial focus was on developing an approach or blueprint that introduced competition, greater choice and a better deals for tenants.

As well as delivering better broadband for the people living in the blocks, the pilot enabled the Council to:

- find solutions to the many technical challenges involved in installing fibre in multi-dwelling units (MDUs); and
- develop and implement standardised wayleaves and contract agreements which could provide a template for future use.

Bristol City Council are now rolling out this approach in controlled stages applying the lessons learnt during the pilot on a city-wide scale. They are targeting the remaining 4,000 council-owned flats in blocks and working with suppliers to offer open access gigabit broadband connections to an additional 24,000 homes (houses rather than flats) across Bristol.

The Council are also exploring new broadband packages for disadvantaged people, such as pay as you go packages, and entry level deals – to get as many people online as possible, which also supports their aims for addressing digital divide and digital poverty.

# Digital Leadership



The region demonstrates visionary, proactive leadership which provides confidence to partners and encourages collaboration and delivery partnerships

As a region we have committed to an ambitious plan which puts our region on the map as a digital pioneer. To deliver this agenda, we must work in collaboration with Government, regional partners, and investors as well as residents and businesses.

Up until now, partners in the region have been working hard to pursue the digital agenda, but a lack of strong digital leadership and common cause meant their efforts were uncoordinated. We know that if we all pull together in the same direction, we can achieve so much more than when we act alone. Therefore, strong digital leadership has been identified as a cross cutting theme which underpins all five of our priority areas. Under this theme, our collective ambitions are to:

- Bring together long-lasting partnerships between key stakeholders in our digital ecosystem to foster a culture of collaboration across sectors and boundaries;
- Mobilise public and private sector partners to support the West of England's digital transformation;
- Secure the funding and investment needed to achieve our digital ambitions;
- Cement our region's standing as a global centre of digital innovation excellence; and
- Ensure our digital transformation is ethical, fair and sustainable.

#### The Combined Authority will:

#### Now

- 1. In partnership with our unitary authorities and other stakeholders develop a detailed implementation plan (see page 30) to support delivery of this Digital Plan
- 2. Convene a Digital Transformation Board to:
  - Provide strategic external input into the delivery of the plan
  - Share intelligence and future opportunities
  - Share learning from elsewhere
  - Promote partnerships and collaborative activity
  - Promote digital opportunities within and outside the region
  - Speak with one voice on behalf of the region
- 3. Put in place the resources to deliver with a regional Digital Office to:
  - Own and manage the implementation plan
  - Maintain a digital evidence base
  - Support regional coordination and collaboration through establishment of working groups where necessary
  - Promote adoption of common policies and good practice
  - Track impact of interventions

#### Next

- 4. Seek funding to host a digital summit to raise the profile of the region as a global centre of digital innovation excellence
- 5. Develop a West of England Digital Charter a set of practical and ethical guidelines for deploying new data-enabled technology deployed in public services or the public realm in the West of England<sup>9</sup>

# Digital Infrastructure



Everyone in the region is digitally connected, with access to world–class digital infrastructure that is fast, secure and reliable

### Why is this important to us?

Our people require fast and reliable digital infrastructure to support all aspects of their life and be able to respond to the cost-of-living crisis. Digital connectivity matters and for many people it is now considered a fourth utility, especially in areas with little or no public transport.

Similarly, our businesses expect world-leading digital infrastructure so they can adopt cutting-edge digital technologies which make them more productive and competitive. Nationally, research indicates that many small businesses consider that their broadband speeds are insufficient, and that poor connectivity is a barrier to growth.<sup>10</sup>

Digital technologies and data also provide us with opportunities to tackle the big challenges of our time such as climate change, transport and caring for the elderly. Our digital infrastructure will need to be resilient to a changing climate (such as flooding or overheating) and can play a role in helping us adapt.

Digital connectivity is a foundation of our economy and underpins our wider ambitions – without the right infrastructure we risk being left behind in a digital world.

### Where are we now?

Whilst at a regional level, Gigabit connectivity (>1000mbps) is higher than the national average and superfast connectivity is on a par with the national average, 4% of premises (20,000) do not currently have superfast broadband and of these 20% (4,000) have speeds of less than 10mbps. <sup>11</sup> Rural areas are more likely to have no access to fixed broadband, and when they do have access, it is more likely be slower. Whilst people living in deprived areas,

which are usually urban, tend to have higher speeds but are at more risk of digital exclusion due to the affordability of high speed broadband and devices.

There is a risk that with current deployment patterns, areas with good levels of connectivity will see further improvements and those communities with poor levels of connectivity will continue to be left behind. As the economic benefit from moving from poor to decent levels of connectivity are greater than the benefits of moving from decent to higher speed connectivity, ensuring our communities have at least superfast coverage is a key part of our plan.

There is also significant regional variation in coverage. Whilst coverage in Bristol has already exceeded the Government target for 85% Gigabit coverage by 2025 and South Gloucestershire is close to achieving this, Bath and North East Somerset and North Somerset are not expected to meet this target without some form of coordinated intervention. <sup>11</sup> Despite this challenge, we aim to surpass this target and achieve region-wide gigabit capable coverage.

From Ofcom reports, current levels of 4G connectivity across the region from at least one mobile provider is around 99% both outdoors and indoors. <sup>11</sup> However, this statistic may not represent the experiences of the public. Further work is therefore required to understand the true level of connectivity and the spread of signal strength across the four major mobile carriers. 5G connectivity across the region is keeping pace with the UK and as with the rest of the UK is limited to some urban areas. <sup>11</sup>

However, the infrastructure position is constantly changing as both commercial and publicly funded initiatives roll-out new infrastructure. Research suggests that in this complex delivery environment, there are opportunities to achieve greater levels of connectivity by:

 capitalising on other investments such as new housing developments and the rollout of electric vehicle charging sites; and  reducing the cost and risk for investors (both public and private) by sharing information and plans, coordinating activities and integrating digital infrastructure into wider works.<sup>12</sup>

The approach adopted in our DCMS-funded <u>Digital Connectivity</u> <u>Infrastructure Pilot</u> could offer a broader public/private collaboration model going forward. Similarly, other research suggests that community ownership models, can offer connectivity solutions in areas left behind by large, incumbent telecommunication companies. <sup>13</sup> We therefore want to establish new ways to provide social or public broadband, opening up access to services that would otherwise not be available to help more people get better broadband.

Given the importance of digital infrastructure, the decision was taken to procure specialist consultancy support to deliver a robust actionable plan for accelerated digital infrastructure roll-out across the region. The work was delivered in two stages: 1) discovery and evidence review; 2) apply review findings to develop an action plan. This work is now complete and the findings have informed the development of this plan. The Regional Digital Infrastructure Action Plan can be found here.

#### What do we want to achieve?

#### We want to:

- Meet and exceed the national 85% gigabit connectivity by 2025 target;
- Maximise the number of households and business premises which have at least superfast coverage by 2026; and
- Maximise 4G and 5G coverage;
- Boost community-based connectivity.

# What will this mean for our residents?

#### This will mean:

✓ Better connectivity at home, at work and in public places.

# **Case Study: Digital Connectivity Infrastructure Accelerator Pilot**

With funding from DCMS and local partners, the DCIA project brings together Local Authorities with major mobile telecoms industry partners (Three, BT Wholesale and Cellnex Connectivity Solutions) to increase the roll-out and densification of 5G across the region.

Working with Sitenna as our platform partner, the project will investigate how digital asset management platforms can support and increase the use of local authority owned assets as host sites for the range of hardware needed to achieve improved 5G coverage. This Accelerator project is an important first step towards accelerating 5G roll out using publicly owned assets.

Meeting the Combined Authority's targets will require rapid roll-out of both fixed and mobile broadband. Mobile (i.e. 5G/4G) broadband will help connect more rural and 'hard to reach' communities and will be key to addressing the final 4% of properties and businesses currently without suitable connectivity.



# Digital Infrastructure: Everyone in the region is digitally connected, with access to world-class digital infrastructure that is fast, secure and reliable

///o secure and reliable				
Strategic objective	Focus areas – what will we focus on to achieve this	Our actions (We will)		
Meet and exceed the national 85% gigabit connectivity by 2025 target  Maximise the number of households and business premises which have at least superfast coverage by 2026	Attracting Investment – Working as a region to create an attractive market in which to invest in digital infrastructure and minimise roll-out costs  Embedding digital infrastructure – Maximising the impact and value for money of other major infrastructure initiatives to embed digital infrastructure and connectivity  Coordinating Delivery – Coordinating deployment of connectivity, with a focus on 'hard to reach' and deprived areas  Advice and information – Providing advice and information to residents and businesses about how to improve connectivity	<ul> <li>Deliver the regional Digital Infrastructure Action Plan</li> <li>Utilise the West of England Digital Office to:         <ul> <li>monitor market activity and maintain a real-time view of infrastructure build programmes (including BDUK)</li> <li>consolidate data, plans and intelligence and share with potential investors and partners to support investment in the region</li> <li>engage with providers and identify barriers to the roll-out of digital infrastructure such as access to land, street works and planning</li> <li>identify strategic opportunities to support suppliers, aggregate demand and exploit opportunities to increase coverage such as mapping assets, new housing build and Electric Vehicle charging networks</li> </ul> </li> <li>Develop a Digital Connectivity Portal to provide guidance and info about connectivity for residents and telecoms providers</li> </ul>		
		<ul> <li>Next</li> <li>Develop a full business case for public sector investment which maximises the contribution from private, market and government investments</li> </ul>		
Maximise 4G and 5G coverage	Mobile connectivity — Collecting local data for mobile signal strength and availability to identify any signal not spots and determine best way to address them  5G roll-out — Making 5G available to unlock innovation and applications in all areas of society	<ul> <li>Now</li> <li>Conduct further research to understand the true level of regional coverage and develop recommendations any improvement measures</li> <li>Deliver the WofE Digital Connectivity Infrastructure Accelerator Pilot and apply lessons to better support 5G roll-out and utilisation of public sector assets</li> </ul>		
Boost community- based connectivity	Public access – Promoting broadband provision in public spaces and community buildings	<ul> <li>Now</li> <li>Identify opportunities and mechanisms to expand broadband access in community spaces, such as libraries and public access wifi, especially in areas with little or no access to decent connectivity</li> </ul>		

Community led broadband – Supporting	Promote available information to help community groups access guidance
alternative, community led broadband delivery	about developing local, community-led broadband projects
models	

# Digital Inclusion and Skills



Everyone can get online and use digital services and our people and businesses have the skills required for digital transformation at all levels

# Why is this important to us?

A lack of digital skills and access can have a huge impact on a person's life. People on the wrong side of the digital divide are more likely to:

- Experience poorer health outcomes;
- Suffer increased social isolation and loneliness;
- Find it harder to access jobs and education;
- Pay more for services and bills and experience financial exclusion; and
- Lack a voice or visibility in the modern world as government services and democracy move online. <sup>14</sup>

Furthermore, digital exclusion is higher amongst existing disadvantaged groups such as older people, people on low incomes, people from lower socio-economic groups, people not working and people with a disability – which further exacerbates existing inequalities.

As well as being an important tool for addressing digital exclusion, improving digital skills (at all levels) can help our residents to find and secure work, progress in work and benefit from digital jobs. Equally, improving digital skills in our workforce will benefit our businesses, who are facing skills gaps which affect their productivity and ability to grow. Looking to the future, people in education today will enter a labour market that is likely to have been significantly re-shaped by emerging technologies. The UK Industrial Strategy Council predicts that, unless action is taken, in 2030 the most widespread under-skilling will be in basic digital skills. <sup>15</sup>

#### Where are we now?

In 2020, 5% of adults (44,000) in the West of England were non internet users compared with 8% across the UK. <sup>16,17</sup> The main barriers to digital inclusions were skills, accessibility, lack of interest in the internet/need, concerns about safety and security, affordability of connections and devices and the availability of decent connections. <sup>18</sup> As a multi-faceted issue, many organisations (such as libraries, community groups and community learning) are already playing a vital role in supporting people to overcome digital exclusion in our area. However, the support available varies across the region and there may be gaps in coverage.

Digital skills are also becoming increasingly important in the workplace. National research shows that digital skills are an essential entry requirement for two-thirds of UK occupations and these occupations account for 82% of online job vacancies. However, 52% of the workforce lack the essential digital skills for work – the hidden middle. 15

Further, 27% of employers nationally required advanced digital skills and 60% expected this to increase in the next five years. <sup>19</sup> Local data shows that the number of digital jobs in the region have increased since 2010 and the majority (57%) of these jobs now lie outside the 'digital sector', underlining how important digital skills are to all sectors of our economy. <sup>20</sup> Of the people employed in digital jobs in 2016, 83% were male and over 60% were under the age of 45 – highlighting the need to increase diversity.

Partners in the region have been pro-active in tackling the digital skills challenge and key initiatives include, <u>The West of England Institute of Technology</u>, <u>Bristol Talent</u>, <u>Digital Engineering and Innovation (DETI)</u>, <u>The Digital Skills Investment programme</u>, and <u>Workforce for the Future</u>.

#### What do we want to achieve?

#### We want to:

- · Reduce digital exclusion
- Improve digital skills at all levels so that:
  - residents have the foundation skills they need to get online (such as the ability to turn on a device, connect to wi-fi and use an app);
  - residents have the digital skills needed for life (such as the ability to manage finances online, buy goods or services and set up an email account);
  - residents have the digital skills needed for life and work (such as the ability to join virtual meetings, or check pay information and book annual leave online); and
  - o residents and businesses can benefit from advanced digital skills.

#### Spectrum of digital skills



#### Image courtesy of FutureDotNow

### What will this mean for our residents?

#### This will mean:

- ✓ More people have the skills, confidence and connectivity to get online; and
- ✓ More people able to access good quality digital jobs and progress their careers;

#### **Case Study: Tea and Tech**

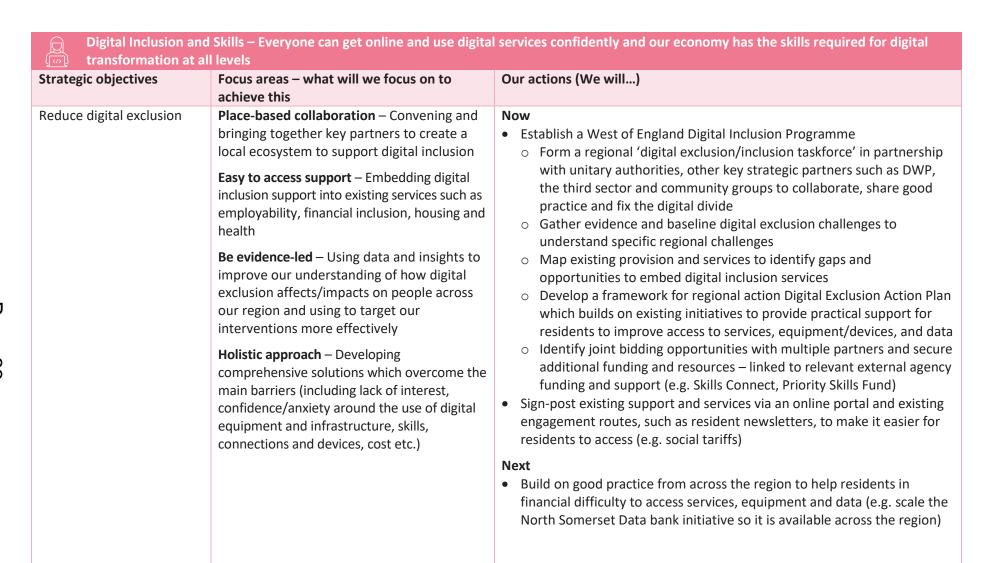
Free 'Tea and Tech' sessions are taking place across North Somerset to help residents learn how to get online and get the most from today's digital world – and grab a cuppa whilst there! Residents facing digital exclusion through not being able to afford sim cards and mobile data can also access them for free thanks to a scheme available through North Somerset Council's library service. The UK National Databank provides free sims and mobile data (as well as talk minutes and texts) to people in need through the Good Things Foundation's network of local community partners, including North Somerset libraries. It's like a food bank but for internet connectivity data.

# **Case Study: Digital Skills Investment Programme**

The Digital Skills Investment Programme (DSIP) is a key part of the West of England Combined Authority's Recovery Plan. The programme is worth £2m and will support access to digital skills training, helping build capacity to increase access to and take-up of adult education opportunities, and will provide innovative, bespoke training courses to address digital skills gaps (including Digital Bootcamps).

In the words of one participant:

"For me, this course was exactly the right content at exactly the right time. Following redundancy in 2020 and an on-going job search where I repeatedly made the final interview but not the chosen candidate, I decided that some upskilling to stay on the right side of the 'digital divide' would be helpful. When I saw the ad for the bootcamp it seemed that it might well be the answer. The cohort of students were friendly and from a mix of professional backgrounds and we were all able to contribute and learn from each other. The tuition was outstanding and covered core planned elements as well as topics requested. Group work on practical tasks and projects was valuable experience."



Strategic objectives	Focus areas	Our actions (We will)
Improve digital skills at all levels	Foundation digital skills – Ensuring people have the foundation digital skills to get online  Essential digital skills for life and work – ensuring people have the essential digital skills to thrive in the workplace  Advanced digital skills – ensuring people have the higher level and advanced skills needed to drive digital innovation and produce new technologies that will grow our economy  Workforce skills – ensuring that digital skills provision aligns with the needs of regional employers (from across all sectors) and employers are supported to upskill their workforce (including public sector employers)	<ul> <li>Integrate digital skills into a wide range of Combined Authority employment and skills programmes, guidance and support - identifying progression routes via various projects and programmes</li> <li>Provide residents with digital skills for life and work through Combined Authority employment and skills programmes and wider work across the West of England.</li> <li>Wext</li> <li>Work with education providers and employers to identify local digital-skills gaps and develop focused solutions and simplified progression pathways into key digital roles</li> <li>Increase the visibility and understanding of digital skills training opportunities through Skills Connect</li> <li>Continue to facilitate digital progression pathways via the programmes we deliver and projects we procure</li> <li>Simplify access to digital skills provision across the region and help people and businesses understand which courses are most suitable through the Skills Connect online directory and personalised support</li> <li>Provide personalised wraparound support to help target groups underrepresented in digital roles and/or disproportionally affected by lockdown measures access training and support progression to further digital training or digital roles</li> </ul>

# Digital Growth



All our businesses and third sector organisations are digitally capable and can maximise digital opportunities

# Why is this important to us?

Evidence shows that businesses which adopt digital technologies are more productive than those that do not.<sup>21</sup> Therefore, ensuring all our businesses are digitally capable is vital to securing our regional prosperity and creating decent jobs for our residents.

Research conducted by Sage shows that technology has become fundamental to the survival, resilience and growth of SMEs.<sup>22</sup> Their research shows that 8 out of 10 SMEs depend on tech to start, survive and grow. Over the past year, SMEs have increased their use of tech across all aspects of their business, to improve relationships with customers, employees and suppliers. Increasing numbers of SMEs are using social media to improve their web presence to strengthen their reputation and reach more customers. Many are also using communication tools to connect with employees and suppliers, particularly in logistics, transport and construction. Their research suggests that technology is driving performance of SMEs in new ways and is directly contributing £216bn to the UK economy.

However, large gaps in digitalisation remain, caused by challenges in adopting tech and points of friction in using new tech well. The biggest factors stopping SMEs from investing more in tech are:

- Fears over returns on investment, especially during the current cash flow crunch; and
- Lack of awareness of the right solutions.

Once tech is adopted, there are still points of friction created by:

- Problems learning new skills; and
- Issues integrating digital tools together.

If these adoption challenges were overcome, tech could help SMEs remain resilient in the face of challenges ahead.

The report also highlighted that 30% of SMEs do not understand data protection regulations and 1 in 5 report concerns regarding cyber security as a significant barrier to adopting new technology. With nearly 40% of UK businesses and 30% charities reporting having cyber security breaches or attacks in the last 12 months, this could be a significant threat to the region.  $^{23}$ 

The Sage research identified data as the single most important area of untapped potential for SMEs. Accelerated by the pandemic, many areas of technology which generate data, such as websites (80%), social media (73%) accounts, accountancy software (76%) and HR software (48%) have been adopted widely by SMEs – across sectors – and continue to see high levels of investment. In contrast, the adoption of tech to collect and use data in their business e.g. data analytics software, lags significantly behind (just 24%). The Sage report suggests that SMEs need more support to understand how data works (i.e. the algorithms which sit behind so much analysis) and more tools which allow them to gain insight from their data.

Looking to the future, the research also found widespread enthusiasm for emerging tech, which could boost growth in the future. These emerging technologies included 5G enabled tech, VR/A, Crypto, Robotics and biometrics.

### Where are we now?

Whilst local data about the scale and pace of digital adoption is limited, we know that the wider Gloucestershire, Swindon, Bristol and Bath area is ranked 11<sup>th</sup> out of 41 other comparable areas for digital adoption.<sup>24</sup> We also know that 57% of all digital jobs in the West of England are now found outside the 'digital' sector.<sup>25</sup> Together, these statistics suggest we may be starting from a position of relative strength.

Businesses in the region benefit from a number of existing initiatives to support their digitisation including: <u>Tech for Growth</u>, <u>Digital Boost</u>, <u>Made Smarter West of England</u>, and the <u>DETI Programme</u>, as well as Made Smarter (see case study overleaf). These initiatives are central to testing digital solutions for business in real life scenarios.

#### Case Study: Made Smarter West of England

Made Smarter is designed to assist 80 local manufacturing small—medium enterprises (SMEs) to understand and overcome operational challenges through digital technologies. This will help local manufacturing businesses to innovate, creating new opportunities in the process. It will also boost productivity, creating more value for your customers. Participating businesses are offered a fully funded bespoke assessment, financial support and skills support.

The region's businesses and universities are also at the forefront of innovation in next-generation communications networks, including 5G. In collaboration with the University of Bristol's Smart Internet Lab, the Combined Authority is trialling new applications of 5G through innovative 'testbeds' – in conjunction with business around the region.

#### **Case Study: 5G Logistics**

The West of England Combined Authority led a consortium of 12 partners, including The Bristol Port Company and the University of Bristol Smart Internet Lab, to demonstrate how 5G can increase efficiency and productivity for the logistics sector.

By supporting smaller players to develop tailored 5G private networks and services, we are helping to diversify supply – meaning our businesses can take up these game-changing communications networks sooner.

The project was one of 22 projects funded by the Department for Digital, Culture, Media & Sport (DCMS) under its 5G Testbeds and Trials

Programme, which supports innovators exploring new uses of 5G to help improve people's lives and boost businesses.

The 5G Logistics testbed operated in and beyond the West of England, with a primary test zone at Bristol Port and a secondary test zone covering a nearby junction. The third area was 45km away at the Gravity Smart Campus in Somerset (acting as a Freezone). The three areas were connected by fibre to create a super-fast and secure private network.

The project trialled mobile edge computing (MEC) – an alternative to cloud computing. This, coupled with 5G's ability to handle huge amounts of data, enables faster communications speeds, increased security and the potential to tailor the network to meet numerous business needs at once – creating new opportunities for ports, Enterprise Zones, business parks, local authorities and (eventually) smart cities.

#### What do we want to achieve?

#### We want to:

- Increase the breadth and depth of tech adoption across our businesses and third sector organisations; and
- Increase the utilisation of emerging technologies amongst our businesses so they can secure competitive advantages.

# What will this mean for our residents?

#### This will mean:

- ✓ A stronger economy with thriving businesses;
- ✓ More good quality jobs; and
- ✓ Better opportunities to start and grow businesses.



# Digital Growth – All our businesses and third sector organisations are digitally capable and can maximise digital opportunities

With the control of t		
Strategic objectives	Focus areas – what will we focus on to achieve this	Our actions (We will)
Increase the breadth and depth of tech adoption across our businesses and third sector organisations	Technology adoption – Inspiring businesses and third sector organisations to do more with digital technologies, drive business growth and take advantage of the benefits of technology adoption - especially those SMEs who do not see themselves as a 'tech business'  Data utilisation – Helping businesses to understand their data and the tools to gain insight from it  Cyber resilience and data protection – Helping small and medium businesses strengthen their cyber security and data protection practices and protect themselves and their data from online cyber attacks	<ul> <li>Offer businesses tailored support, expert guidance and support programmes to accelerate innovation, boost digital adoption, and develop new products and services (e.g. Tech for Growth and Made Smarter)</li> <li>Provide manufacturing businesses with support to introduce the right technology (e.g. Made Smarter)</li> <li>Signpost businesses to relevant national services (e.g. Digital Boost, National Cyber Resilience Centre)</li> <li>Next</li> <li>Identify requirements for new tailored support packages aligned to specific sectors and technologies</li> <li>Develop new tailored support packages aligned with specific sectors and technologies (especially sectors aligned with regional challenges such as construction, energy, transport and health)</li> </ul>
Increase utilisation of emerging technologies amongst our businesses so they can secure competitive advantages	New and emerging technologies – encouraging businesses to embrace the opportunities these more advanced technologies offer to fuel innovation, growth and market opportunities  Create the conditions for innovation – boosting access to digital and shared infrastructure to help reduce time, cost and risk of developing new products and services.	<ul> <li>Now</li> <li>Increase engagement between businesses and the region's digital innovators who are developing the foundational technologies of the future (such as 5G, artificial intelligence and digital twins) by:         <ul> <li>Developing an online showcase of digital R&amp;D assets setting out clearly the R&amp;D activity, collaboration opportunities and how to get involved</li> <li>Promote the showcase through the Growth Hub and Digital Transformation Board</li> </ul> </li> <li>Next</li> <li>Bring together and link up our digital innovation assets (such as digital twins, simulation and emulation tools, synthetic environments, test beds and living labs) to form a regional connected network by:         <ul> <li>Working with partners to identify assets to be linked</li> <li>Designing and implementing inter-operable systems and processes</li> </ul> </li> </ul>

## Digital Public Services



The region delivers best in class digital public services to provide a better experience for residents

# Why is this important to us?

Our residents rightly expect a user experience from the public sector which is comparable to what they experience in other parts of their lives. Residents, businesses and visitors want services to be easy to use, safe and designed around them. Digital transformation also offers benefits to the public sector in terms of:

- Supporting efficient and effective service delivery saving money without compromising on outcomes;
- Helping us to innovate and try new things;
- Helping us to tailor and target services towards those who need support the most;
- Helping us to link together unrelated services to provide seamless and comprehensive services; and
- Making our services simple, easier to access and more straightforward to use.

Public services need to be designed around the needs of the people who use them. They should be joined up and easy to access when needed, especially by people at their most vulnerable. Most importantly, they need to provide a joined-up service across all channels, with alternatives available for people who cannot or decide not to participate digitally — people should not be excluded or have an inferior experience because they do not have the technology, skills or desire to use it<sup>26</sup>.

Public sector digital transformation and continuous improvement is also underpinned by the effective use of data. Every day local government organisations are constantly managing and responding to information. Harnessing this connected information ecosystem can have enormous

benefits, offering valuable insights on the wide range of activities that authorities perform. Whether it's supporting the most vulnerable people in our communities, revitalising our high-streets, fixing the roads, designing better bus routes or helping local businesses to grow, data can help us do this more effectively.<sup>27</sup>

By treating data as a strategic asset and using data more effectively, we can be more agile, innovative and cost effective and deliver better, cheaper and more responsive services. Better use of data also means better decision making as policies can be tailored and delivered more effectively, and we can better monitor whether policies are delivering their intended effects and targeted at the right people. However, there are many barriers to the better use of data. These include:

- Real and perceived legal and security risks;
- A lack of incentives, skills or investment to drive effective governance and overhaul data infrastructure; and
- A lack of consistency in the standards and systems used across the public sector.

We need public service leaders who understand what is possible and how to achieve it, a workforce with the right skills, and people who are confident in digital ways of working. We also need user-friendly, interoperable, secure systems, platforms and services that support modern ways of working. At the same time, we must be wary of the harms – intended or unintended – from an information and technology ecosystem that does not act responsibly, ethically, inclusively, and legally. The public sector is an integral part of this ecosystem. We have a duty to ensure we manage, share and use data and use digital technologies responsibly, efficiently, and effectively.

We need to keep inclusion at the heart of all we do and ensure no one is left behind as we embrace a digital first approach. By placing user needs, insight and data at the heart of our digital transformation, we have the

potential to deliver well-designed cost-efficient and effective services with enhanced transparency and public accountability.

#### Where are we now?

In the West of England, the Combined Authority and our four Unitary Authorities have all signed up to the <u>Local Digital Declaration</u>, a public pledge along with hundreds of other councils to both meet high standards for technology and digital services, and adopt a digital culture and ways of working. Whilst this demonstrates our collective ambition for the future of local public services, we know there is much more to be done, especially in the management of our information ecosystem.

Transformation of public services in the current climate is a significant undertaking. We want to create the right conditions for this to happen by providing the capacity to consider new ways to deliver services and working with our world-class innovation cluster to investigate innovative, digitally-enabled service delivery solutions. We will work collaboratively, supporting our constituent council partners, to leverage our collective know-how, access other funding sources and ensure that the maximum impact, and value for money, can be delivered from the resources available to us.

By working together strategically across the public sector, we hope to accelerate our digital transformation by:

- Working across boundaries to address common problems;
- Testing and piloting new approaches;
- Sharing learning;
- Developing common standards and interoperable systems; and
- Achieving economies of scale.

## What do we want to achieve?

#### We want to:

• Improve the experience of using digital public services; and

 Unlock the power of data across the public sector to deliver better outcomes for our residents.

#### What will this mean for our residents?

#### This will mean:

- ✓ Easier to use digital public services;
- ✓ Better value for money from public services;
- ✓ Innovative digital solutions that improve quality of life;
- ✓ More opportunities to start and grow businesses.

### **Case Study: Technology Enabled Care**

Bristol, North Somerset and South Gloucestershire Integrated Care system received £679,000 from the NHSX Digitising Social Care Fund to roll out a project to use care technologies to improve people's independence and reduce unplanned hospital admissions. The money was used to:

- Roll-out acoustic monitoring devices which detect unusual sound patterns raise the alarm if it senses unusual movement;
- Roll-out Digital social care records which allow information to be easily shared amongst organisations such as the NHS and North Somerset Council. Sharing of electronic care records supports hospital admissions and discharges from and to care homes; and
- Pilot innovative systems which collect and link health data, including wearable technologies. Collection of this data helps professionals to spot when someone's health deteriorates and identify other risks to that person. This means it can help prevent falls and reduce the risk of that person having to go into hospital unexpectedly, helping people stay as independent as possible for as long as possible.

Digital Public Services - The region delivers best in class digital public services to provide a better experience for residents					
Strategic objectives	Focus areas – what will we focus on to achieve this	Our actions (we will)			
Improve resident's experience of using digital public services	Collaboration - Finding opportunities to work with each other and with partners to solve common problems, achieve economies of scale and learn from one another  User centred design — ensuring our digital services are focused on the needs of our residents, are easy to use and accessible  Outcomes and whole life value — ensuring out services are focused on delivering the right outcomes and whole-life value, rather using new technology simply because we can  Trustworthy and safe — ensuring are services are safe for people to use and data is used ethically to develop insights and improve decision making	<ul> <li>West of England Combined Authority to embed Local Digital Declaration principles and catalyse organisational and service transformation</li> <li>Convene a digital public services working group to support collaboration and learning</li> <li>Identify common barriers to implementing the local digital declaration and Government Digital Service Standards</li> <li>Develop proposals for collaborative solutions which add value, e.g.:         <ul> <li>adopting common standards and interoperable systems</li> </ul> </li> <li>joint research &amp; development projects         <ul> <li>testing and trialling new approaches and evaluating and sharing outcomes</li> <li>cross boundary projects where this adds value</li> </ul> </li> <li>Next</li> <li>Identify funding for collaborative projects and implement</li> <li>Explore and support adoption of innovative mobile/wireless technologies and unlock their potential to enhance public sector service delivery across sectors such as transport and social care</li> <li>through demand aggregation, demonstration projects and industry engagement</li> </ul>			
Unlock the power of data across the public sector to deliver better	Quality, availability and access – Improving data quality and consistency with a clear understanding of what data is held and where, better data collection, and efficient data-sharing between organisations	<ul> <li>Convene a data sharing working group to bring together public sector partners to:</li> </ul>			

# outcomes for our residents

**Standards and assurance** – Driving the adoption of standards for data, leading to greater consistency, integrity and interoperability, and enabling data to be used widely and effectively across the region

Capability, leadership and culture – Developing world-leading capability in data and data science across the region so that leaders understand its role, expert resource is widely available, staff at all levels have the skills they need, and a 'data-sharing by default' approach tackles the culture of risk aversion around data use and sharing

**Ethics and public trust** – Developing a robust ethical framework of transparency, safeguards and assurance which builds and maintains public trust in the government's use of data

- identify and map the most significant data assets controlled by public sector partners
- identify opportunities and challenges where sharing data could make a significant impact
- identify the barriers to sharing relevant data (e.g. different standards, legacy systems, security risks, cultural barriers etc.)
- o develop proposals to address barriers
- agree data sharing standards and protocols aligned with those established by the UK Data standards authority
- conduct a training needs analysis to understand the digital, data and technology capabilities of public sector staff and representatives

#### Next

- Based on the activities of the working group develop a West of England Information & Data Sharing Framework
- Develop proposals to deliver digital skills training to public sector staff and representatives to develop our in-house Digital, Data and Technology (DDaT) capabilities

#### Tech for Good



Harnessing data and digital technologies to develop solutions to regional and global challenges

## Why is this important to us?

Tech for good is about utilising technology to improve social, environmental and economic outcomes. Digital solutions have the potential to address global challenges at the local level. Advances in data, analytics and connectivity are enabling a range of digital applications which help us to track and understand our environment as well as develop solutions. These digital systems have applications across a range of challenge areas including:

- Addressing net zero, climate adaptation and nature recovery
- Moving people and goods in a sustainable way;
- New ways of creating homes, places and vibrant communities;
- Enhancing productivity; and
- Responding to the challenges facing the delivery of health and social care services.

Our region has a wealth of assets and expertise that means we stand at the forefront of many of these challenges. By focusing our efforts on how we use Technology for Good, not only do we address key challenges facing the region, but we create opportunities for our businesses and entrepreneurs to grow and create more opportunities for our residents.

### Where are we now?

The West of England is a world leading technology cluster and internationally recognised as a technology hub. We're home to a highly collaborative ecosystem, uniting people from diverse backgrounds and drawing on different areas of expertise, with R&D, academia, industry and the public sector working together. The region is home to a number of R&D centres

including Oracle's Cloud Development, HP Labs, and the University of Bristol Smart Lab team which in 2018 staged the world's first public trial of 5G.

The region's four universities play a central role in strengthening the region's digital and tech sector, from establishing SETsquared (Global #1 University Incubator) to the new Temple Quarter Enterprise Campus. Our universities collaborate closely with businesses in life sciences, cyber security, quantum and robotics including several autonomous vehicle projects. The universities also produce a constant stream of highly-skilled graduates with one of the highest graduate retention rates in the country. The sector is often highlighted nationally as a hub for 'Tech4Good' based on the prominence of organisations aiming to have a positive societal impact – we have a vibrant Tech for Good cluster across Bristol and Bath which is already delivering positive impact. Their work is supported by thriving networks such as Tech4Good South West and the unique Bristol Digital Futures Institute, which is transforming the way we create new digital technology for inclusive, prosperous and sustainable societies.

The region already benefits from a range of smart capabilities and assets that would support digital efforts to tackle key challenges including:

- the DETI programme Digital Engineering Technology and Innovation
- the Bristol Network (B-NET), the Bristol Operations Centre and the Open Data Platform
- the UMBRELLA project an award-winning Industrial Internet of Things (IoT) research and development testbed in South Gloucestershire. The testbed allows pioneers in digital technology to innovate and test new applications, processes, products, services and business models to ascertain their usefulness and viability before taking them to market.

Given our status as a world leading technology cluster and technology hub, we must further cement and amplify our region's position as the UK's engine for digital innovation.

#### What do we want to achieve?

#### We want to:

 Put the West of England on the map as THE place for cutting edge digital research, innovation and investment that finds solutions to key regional challenges such as net zero, transport, housing, productivity, health and well-being.

#### What will this mean for our residents?

#### This will mean:

✓ A better, greener future for all our residents

### **Case Study: Future Transport Zone**

The Future Transport Zone is built upon an approach of trialling new interventions in the West of England, incorporating the best solutions into the region's wider transport plans when future funding becomes available. This includes key digital innovations such as:

- Transport Data Hub The first comprehensive regional transport database in the West of England. The Hub will make it possible for the transport community to find, share and add data with ease – fostering collaboration and giving greater confidence in data-driven plans, policies and decisions
- Net Generation App A new mobile app will integrate journey planning tools with payment and ticketing, enabling travellers to plan, pay for and undertake end to end journeys within a single platform. This one-stop-shop will include all types of transport, significantly increasing the convenience of journeys that use more than one mode of transport.

# Case Study: University of Bath – Using Big Data to visualise the last mile of electricity networks

The journey from the substation to the power socket in our home – is called the "last mile". It's often the trickiest and most expensive section of the network for Network Operators to monitor and control.

To accommodate new low-carbon technologies like electric vehicles, heat pumps and photovoltaics without hugely expensive network investment, Network Operators need to forecast electricity usage and network behaviour. At the moment, many Network Operators make these forecasts using historical demand information. This is often inflexible, inefficient and incompatible with modern low-carbon needs and usage patterns.

To enable Network Operators to monitor and control this part of the network in real time, without having to monitor each individual substation, they need to be able to really see the patterns of use in the 'last mile' using big-data analytics.

The University of Bath, working with Western Power Distribution (now National Grid) through Ofgem's Low Carbon Network Fund developed a method to predict energy use profiles and peak demand by monitoring approx. 0.01% of the substations in an electricity distribution network.

This means Network Operators can effectively plan the last mile and maximise the integration of low-carbon technologies (such as electric vehicles) within the existing low voltage network. This technique is expected to save approximately 575,000 tons of CO2 emissions every year.



## Tech for Good – Harnessing our digital innovation ecosystem to address key regional and global challenges

# Strategic objectives

Put the West of England on the map as THE place for cutting edge digital research, innovation and investment that finds solutions to key regional challenges such as:

- net zero and climate change
- transport
- housing
- health and well-being
- enhancing productivity
- Nature recovery

# Focus areas – what will we focus on to achieve this

**Innovation ecosystem** – Cultivating our region wide digital innovation ecosystem through:

- Research and Development Supporting targeted R&D in relation to the use and deployment of digital technologies to address key regional challenges
- Harnessing data Opening up non personal data in a safe and secure way, where it is of value to our residents
- **Testing and Trialling** utilising test-beds and living labs to solve problems
- Community involvement empowering our communities to get involved and develop pioneering community based initiatives
- Supply chains ensuring our supply chains are digitally capable and able to help us deliver our objectives
- Horizon scanning identifying future opportunities and challenges for placebased digital transformation

#### **Our actions**

#### Now

 Track, evaluate, prioritise and share insights about emerging opportunities, challenges and technology developments related to regional priorities

#### Next

- Building on the work of the proposed West of England data sharing taskforce and existing open data platforms, create a regional open data portal (including mapped data) covering key challenge/opportunity areas (e.g. transport, health, environment and wildlife). This should include:
  - Reviewing open data publication and decision making processes
  - o A plan to measure the impact of published data
- Pilot a Future Digital Innovation Challenge Fund linked to key regional challenges
- Develop programme of community engagement events to empower residents, including hackathons and data jams to bring together the collective know-how of innovators to develop solutions
- Work with partners in sectors such as transport, energy, housing and health to develop sector specific proposals to develop digital solutions to key regional challenges

# Implementation

# How we will work together

Whilst the Combined Authority has led the development of this plan, implementation will require the collective effort of everyone in the region. Our role is to use our convening powers to bring together and empower partners to tackle the priorities set out in this plan and we will do this by bringing together our Digital Transformation Board. We will also take the strategic view and look for opportunities to coordinate and fill gaps in delivery.

Our focus will be on adding value to, rather than duplicating the work of others. Equally, as a strategic organisation, we must also challenge and hold our partners to account to ensure that collectively we deliver for the region.

Alongside other Mayoral Combined Authorities, we have the ear of Government and will use this to make the case for investment and if necessary wider reforms where they will help us to deliver our priorities.

As we move forward, towards implementation, we will adopt the following values:

- Be ambitious in our approach;
- Utilise an evidence based/intelligence led approach;
- Build on good practice and learn from each other;
- Work in an open way with our partners with a commitment to genuine partnership working; and
- Champion equality, diversity and inclusion to ensure everyone can benefit from our digital transformation.

# Implementation Plan

This plan sets out our strategic objectives and a set of high level actions that we will take to achieve them. To support the practical delivery, a

detailed implementation plan will follow setting out actions, responsibilities and resources required to deliver. This will be the primary tool for managing the delivery of this plan.

Our implementation plan will be reviewed regularly in line with the pace of digital change and regional priorities.

### **Case Study: Bristol Digital Futures Institute**

Founded in 2019, Bristol Digital Futures Institute (BDFI) is the newest of the University of Bristol's five research institutes.

Digital technologies have changed our world. Global connectivity, smart technology and automated systems are already part of our daily lives. This brings opportunities and challenges. We need to better understand how technologies and people are shaping the future together – or "sociotechnical futures". Rather than waiting for the future to happen, we need to get ahead of it.

This demands a new way of working. So, the institute is bringing together academics from across disciplines with partners from all sectors, from telecoms to charity, finance to film, charity to government to:

- Create knowledge: across academic disciplines and in partnerships with industry and communities
- Make it real: create and implement new technology using experimental research platforms

The Institute is developing a £29m+ globally unique research facility in two former 200 year old industrial buildings. When fully complete in 2023, up to 250 people will work in specialist spaces, collaboration areas, training and meeting rooms. Specialist facilities will include a neutral lab, a reality emulator, a data centre, an instrumented auditorium and myWorld Creative Continuum

# Monitoring and Evaluation

We will put in place a clear reporting process in line with the Combined Authority's Monitoring and Evaluation Framework. This will include using readily-available data, as well as new data collection and analysis. As actions are developed, we will refine our measures of progress. The reporting process will be reviewed annually and will include project evaluations for specific schemes that are implemented as part of this Digital Plan.

Priority area		Objective	Indicator of progress
	Digital Infrastructure – The region is digitally connected, with access to	Meet 85% gigabit connectivity by 2025 across all areas in the West of England	% of premises Gigabit capable in the West of England and by Unitary Authority
1170	world-class digital infrastructure that is fast, secure and reliable	Maximise number of premises which have at least superfast coverage by 2026	% of premises with Superfast 30 coverage in the West of England and by Unitary Authority
		Maximise 4G and 5G coverage and capacity	4G coverage (and capacity when data is available) in the West of England and by Unitary Authority
			5G availability in Bristol (and West of England when data becomes available)
		Boost community-based connectivity	Public accessibility of wifi in locations where purchase not required in the West of England
and businesses can good digital services and of the skills required for	Digital inclusion and skills – Our people and businesses can get online and use digital services and our economy has	Reduce digital exclusion	Digital Exclusion indicators to be developed, potentially including access to devices, access to internet, uptake of social broadband tariffs, and affordability of training
	the skills required for digital transformation at all levels	Improve digital skills at all levels	Digital skills indicator to be developed, potentially including proportion of adults with digital skills and school provision
third sector	Digital Growth– Our businesses and third sector organisations are digitally	Increase the breadth and depth of tech adoption across our businesses and third sector organisations	Sample indicators include digital occupations as a share of all jobs and annual investment in ICT equipment
	capable and can maximise digital opportunities	Increase the utilisation of emerging technologies amongst our businesses so they can secure competitive advantages	Indicator to be developed
deliv	Digital public services – The region delivers best in class digital public services to provide a better experience for residents	Improve the experience of using digital public services	Indicator to be developed: likely to include proportion of services delivered digitally and to a high standard (based on user feedback)
		Unlock the power of data across the public sector to deliver better outcomes for our residents	Indicator to be developed, potentially including proportion of local authority services making data publicly available (where possible), and proportion of staff at local authorities who have received digital training
*	Tech for good – Harness our digital innovation ecosystem to address key regional and global challenges	Put the West of England on the map as THE place for cutting edge digital research, innovation and investment that finds solutions to key regional challenges	Indicator to be developed.

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