DDG/19/1/4

How....

Why....

Vision	Primary Drivers	Secondary Drivers	Tertiary Drivers	Activities/Interventions
In order to...	*We need to ensure that we...*	*By...*	*Which requires...*	*Ideas to ensure this happens...*
Use Scotland's data to its full potential by driving innovation, improving public services and unlocking economic value - saving time, money and lives	Improve the *CAPACITY and CAPABILITY* of the data talent pool to sustain data quality, entrepreneurship and innovation over the longer term	Improving the capacity and capability of the *EXISTING TALENT POOL* for data science	↑ Increase the *PROFESSIONAL DEVELOPMENT* opportunities available to the existing workforce	Focused courses available to industry and public sector to educate on data driven innovation *Lead: Edinburgh City/Region Deal*
				Develop learning pathways of digital and data skills, capabilities and competencies across health and social care workforce *Lead: NHS NES, LG, Social Services Council*
			↑ Increase *SUPPORT available through specialist teams*	Support Health & Social Care Partnerships, GP clusters, some CPPs and 3rd sector through Local Intelligence Support Team *Lead: NHS NSS*
		Improving the capacity of the *FUTURE TALENT POOL* for data science	↑ Increase offering of *PROGRAMMES and CAREER PATHWAYS* in data science	MSc level module/course targeting students within the University *Lead: Edinburgh City/Region Deal*
				A MOOC targeting corporate employees, alumni and students situated in local colleges *Lead: Edinburgh City/Region Deal*
			↑ Increase *OUTREACH* at primary, secondary and post-secondary levels	Develop data science events to attract a minimum of 10,000 students over 10 years *Lead: Edinburgh City/Region Deal*
		Improving the awareness of data science skills and capability among *ALL SCOTTISH CITIZENS*	↑ Increase *OUTREACH* to targeted groups	Co-fund activities that support delivery of extra-curricular computing and digital activities to young people *Lead: Edinburgh City/Region Deal*
	Improve the *QUALITY of DATA* such that it can be exploited to its full potential	Improving the *DISCOVERABILITY* of public sector geospatial data	↑ Increase investment, promotion and utilisation of public sector *DATA PORTALS*	Allowance of generic web searches to view and discover geospatial resources from SpatialData.gov.scot *Lead: SG (?)*
				Extend scope of Statistics.gov.scot to include data beyond Official Statistics *Lead: SG*
				Investment in SpatialHub for LG data *Lead: Improvement Service*
			↑ Increase adherence to *OPEN STANDARDS* *(for metadata)*	Implementation of UK Gemini 2.3 for geospatial data by December 2019 *Lead: SG*
		Improving the *REUSABILITY of* our data	↑ Increase adherence to *OPEN STANDARDS* *(for data services)*	Harmonisation of high value geospatial datasets to INSPIRE standard (Oct 2020) *Lead: SG*
			↑ Increase the amount of datasets made available as *OPEN DATA*	Support LG to make more geospatial data open and invest in maintenance *Lead: SG, Improvement Service*
			↓ Decrease *INCONSISTENCIES* in key priority datasets	Mandate adoption of identifiers and publish as linked data *Lead: SG?*
				Develop workplan to apply common schemas for LG data (e.g. common location gazetteer) *Lead: Improvement Service*
		Improve how we *COLLECT, STORE and MANAGE* our data	↓ Decrease the amount of *DATA MANAGED LOCALLY* by the Public Sector	Develop core APIs for geospatial data available through OSMA (e.g. addressing) *Lead: SG*
			↑ Increase accessibility of resources via a contemporary *CLOUD/DIGITAL PLATFORMS*	Development of National Digital Platform to facilitate interoperability of health care technologies *Lead: NHS NES*
	Drive the *INNOVATION and ENTREPRENEURSHIP* of our data	Improving the *ENVIRONMENT* to encourage innovation	↑ Increase *INVESTMENT OPPORTUNITIES* for industry	Open Engage Invest Exploit (EIE) outwith Scotland and refine sectors that can apply (e.g. IoT, energy, digital health, robotics, etc.) *Lead: Edinburgh City/Region Deal*
		Improving the *COST BENEFIT* of collaborative procurements and projects	↑ Increase *SUSTAINABILITY of FUNDING* models	Develop and implement for Ordnance Survey public task by April 2020
			↑ Increase collaborative procurements and projects	Engage with public sector organisations and data suppliers to identify new collaborative opportunities (e.g. EO data) *Lead: SG*
	Foster the *PARTNERSHIPS, COLLABORATION and ENGAGEMENT* between industry, public sector and academia	Improving the collaboration between research and industry	↓ Decrease the *PHYSICAL BARRIERS* to collaboration and innovation	Bayes Centre: co-location broad range of academic units and industry partners with intersecting interests Lead: Edinburgh City/Region Deal
	Provide leadership with respect to the *GOVERNANCE, POLICY and LEGAL* challenges to data driven innovation	Support and shape the ethical and legal frameworks enabling greater *SHARING of DATA* in the public interest	↓ Decrease *LICENCING COMPLEXITY* of our data	Simplify licencing for use and publishing of OS derived geospatial datasets *Lead: SG*, OS
		Improve the *SAFETY, SECURITY and ACCESSIBILITY* of public services online		