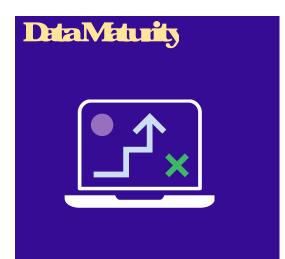


The purpose of this data strategy and action plan is to introduce and ackame the council snewn ission statement for data

"4 epuposontait



Argyll & Bute Gurril
Deta Maturity Assessment Results
(December 2022)

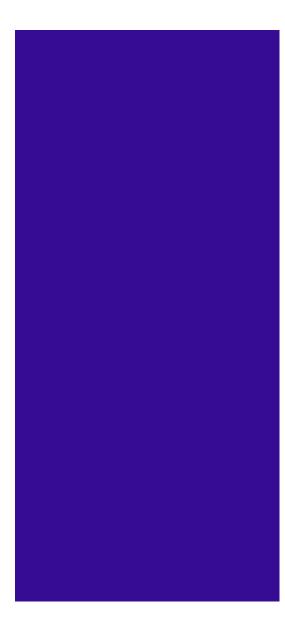
| Maturity Metric | Score* |
|------------------------|--------|
| Data Assets | 38 |
| DataCilture | 38 |
| DataUse | 37 |
| Data Sills | 35 |
| Dataleadaship | 34 |
| Data Aralysis | 33 |
| Data Tools | 33 |

^{*} Scresiated chascale from Oto 5

Our scores for these data maturity metrics were very similar to those of other counds. For example the high score for "Data Assets" shows that local authorities are commonly "data rich" with many and varied sets of administrative data collected in relation to the operation of cound services. Whereas for tools and analysis all counds commonly face the draftenge of having data split across multiples ilos, stored in systems which do not readily interact with each other; making a crecound approach to analysing and working with data a significant draftenge.

Whereveloscoevel is on 'Data Cilture'. This can be a difficult corrept to define but a dear indicator of data cilture is the quality and nature of the consessations that happen within the organisation about data, its importance, and corresponsibility for it. It is likely we so red comparatively well for this then edue to the positive influence of the Data Ackisory Group which at the time of the assessment had been functioning for six months and was already enounging coss service consessations about data

Within the Data Maturity France work cursores were rated as "Developing" naturity and curaimisto progress through to the "Mastering" stage with improved some shetween 4 and 5. This is where curch ta strategy and action plan will dive charge. To truly succedim curnission to improve cuttomes with data, by making decisions based on reliable and timely data, we need to harress data as a creaturiline source, unhinded by silos, and with a work force empowered with the skills they need to gain valuable insights from data. Therefore this strategy and action plan will focus on twelve strategic then es below...





Macsoft's commitment to Rover Eldrangs then there are other similar nor-Macsoft products on the malet which can be used instead, such as Tableau, SAP Analytics, and others

The Data Platform

Ineffect this will be the countil s first implementation of adata warehouse or datable. (In essence, the difference is a data warehouse is designed to apply a high degree of structure and against attention to data when it is stored, whereas a datable is designed to accumulate large volumes of data at a more rapid pace with less focus on a grising and structuring the data at the point of collection.) The Data Platform will be essential to allowing "demoratised" access to data for use in Power Hueport building by services themselves, working within or a long side the DIG subgroups. The Data Platform will also allow for access to datasets to be controlled and managed by and ust permissions fiant work, ensure consistent application of data quality, ethics and standards, and enable the FARP in riples of making data Findalle, Accessible, Interoperable and Reusable.

Incordusion the data programme will adestrate the efforts of the groups archiescures above so as to enure countil priorities are net. It will also ensure the data products green lit by the DAG are developed by the DAG are

The rest five years will likely see technological charge at an unimaginable pace. In Line 2018, the research organisation Open Alfrist introduced the correct of Generative Rectained Transformers (GPR). Five years later; in March 2023, they released GPT-4 which began to furthementally transform howevers humans interact with immense volumes of digitised data using natural language. List as five years ago fewer triopated where Gen Als GPT research might lead, so we expect our own data strategy and action plan will need to be aliving downer. As the front-line of data in rotation acknows we will keep this strategy and the following action plan under review, and updates will be made where necessitated by the pace of dange around us

| Wratsucesswill looklike Berycreintheogrisationwill have confident | Enpowering curval face with DAIAIIIE | MOYESTIS | |
|---|--|---|-------|
| Exercipate against a suit have confident | | | |
| Suggest newways in which data can be han Apply critical thir ling to data presented in re Every crewiil have access to skills development in how they use data | reintheirabilityto of the data they help to collect and rely on for the messed to improve service delivery and business o reports and analysis so as to validate condusions trescurces and learning opportunities to progress on will be informed by critical third ing applied to | utanes artheamentiosint athoughpathways designed to | sento |
| WHAT | WH | WHC | EN |
| The corporate training programme will be updated to A | Akydiverafsmessisersningar | DataProgramme, | |
| 8 11 | employees have the necessary dataskills and knowledge available to them | Harme, | " |
| Hictadoption of some or all of the dataskills da A | Ashandlandtalland enbedvicilitätig | na 'te i | |
| deselopment resources energing from the Scottish Government's public sector Data Transformati Framework programment | teneficm | | |
| | prourgapesona baseddataskills cuniculum which, having leaning path i y | | |

Reaple Embeddingastrong DAIA CULIURE What success will look like We will tale a one council approach to data with datasilos being less of a banier to how data is used We will work together to identify command allenges and recognise data as a keying edient to solutions Design making will improve as the organisations hifts to recognising the value of data informed intelligence led decisions Eary or will be empowered to speak up if they see an apportunity to improve data quality, service delivery, are distance to make the provided and the service delivery are distanced as the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery are delivery as the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery and the service delivery are delivery as the service delivery and the service delivery datadiffeently Employee engagement will increase as staff perspectives and at a recepe teledard their suggestions for using data to innovate recognised Employeesatisfaction and neteration will increase as those with responsibility for data in their teams will feel less isolated and more valued as anenberofabood supportive datacommunity within and beyond the organisation WH MHM BYWEN Data Addisory Group The Data Ackisory Group (DAG) will seek to Oresign of a strong data culture is the finitful All services encuage attendance and participation from more consisting that happen within the agarisation having at least service representatives and the extent to which those consessations goes **Data Roganne** cremninated service boundaies Asthecounils "dataforuni" representative 45 118 the DYC will seek and only to crourage such onthe DAG consistions but also translate energing themes Jlv2024 into actions for drange

Processes

Supporting SHAMCE TRANSFORMATION

What success will look like

The principles of the Scottish Approach to Service Designwill be enabled by, amongst other things, having access to relevant data couser needs and service demand both now and projected into the future

Collection and analysis of data about our service users and their needs will be enabled, both by easier access to survey response data, and through nelevant administrative data collected by the council and other public sector agencies.

Analysis of actual service usage data will allow us to recognise and achies common pressure points which present persistent drallenges for effective service delivery.

Data divenservice transformation will lead to greater consistency accoss the councils drange programme, where business intelligence provides for a coherent approach toward the dijectives of business process drange.

Wevill see expansion from the day to day operational uses of data, to the none complex analytical use of data for making exidence led

| Processes | Supporting WORHOW&PROUSS AUTOMATION |
|------------------------|-------------------------------------|
| Wetsucesswill looklike | |
| | |
| | |
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| | |
| | |

| Processes | | Maximising council PHRO | RMANE 8 | ARISOL | RCERTORIISATION | |
|--|--|--|---|---------------------------------------|--|-------------------|
| We will be able to bring performance data performance and service out State holders in side and outs | omancedatas ithStatutoryRe will beused to cones inkeya ideof thecoun | irisepst performme data toi ets together and en ble linkage eformance Information (SP) Dic identify demands and apportun eas divil dataing eatervalue from etinely or frequent performance | stobemad edionrequ ities tofoc rperforma | eacos icenents sccuri cerepo | arangeoffadorsaffedir i Irescucesondjedivesv | dichimpose |
| WHAI | | WH | | | WHC | BYWHEN |
| Aliging with the Performance Excellent (PHP), identify newways to provide p | eRoject 2 s | ligino | ance | Fi | Н | |

Technology

Delivering the DAIA PLATFORM & Related And itecture

Wratsurcessvill looklike

Services warting to solve drallengs with data will have access to a corporate resource in the data platform which makes it easier for them to combine their own data with datasets shared by other count is services and brought informative desternal bodies/partners. Services warting to use the order proteing and analysis features of Rower Blut having had limited experience using it will be able to rely consone of the none complex data dearing modelling and transformation tasks being done for the movid in the data platform, making their

Tedrology Enablingtheads

Frablingthe adoption of POWERE, Alandother data tools

What success will look like

Services will use reports built in PowerH to munitar operational data in near real-time, so as to be able to intervene in situations where service delivery metrics are outside of expected to decrease.

Services will use data analysed and presented in Power Hitobetter understand service demand and stress factors affecting service delivery. Reports traditionally produced morthly or quarted you'll be shifting to more frequent reporting as Power Hitchests, leveraging the data platformand associated data and itecture, will be able to update more frequently with little or morthlitional administrative effort. Services will use more acknowled features of Power Hi, such as trend analysis and AI (artificial intelligence) "copilot" for plain Figlish queries to askquestions of data which would previously have been impossible to answer using Morosoft Excel alone. The countil will maximise its use of Sharepoint Orline to make compliance with netertion and disposal policies more effective.

The countil will maximise its use of Sharepoint Orline to make compliance with netertion and disposal policies mare effective.

The countil will be able to more powerfully laby the Scottish Government and others by using PowerH to tell more effective stories with data using maps and other visualisations.

| W - AI | WH | WH | BYWEN |
|---|--|---------------------|---------|
| Services will be encouraged to bring to the Data | Bybringingdatadrallengestothe DAG forum | Data Advisory Group | Orgring |
| AdvisoryGroup(DAG) datadrallerge proposals where | there can be an informed discussion amongst | | |
| the service has identified appartunities for Power B, | the DAGs service and technology specialists of | All Services | |
| dataaralytics, crAltomakeapositive, impactful | possible solutions The DAG can help determine | | |
| difference to service delivery and outcomes | prioritisation and allocation of resource, | | |
| | indulingarysoftware licenses when required | | |
| The Data Programme will establish and maintain a | Commonthenesoftenenergefrom | | |
| reference archive accessible to all services of case | technologyprojects riskmitigation | | |
| studies where council services have successfully | cost/berefit projections, etc. Bysharing | | |
| implemented PowerB, Al crother tools | learing from past successes each rewdata | | |
| | podut development builds anthestiengths of | | |
| | thosewhich came before | | |

| Tedrology | Factoring DATA HATURES into line of busin | rsssystems | |
|--|--|---|---------------|
| Orsystens will allow for intercperability: Numbers, which make combining and shari Orsystens will allow for recognised local | gwerment andstatutorydatastandads tobe app rdata, i.e. whenwe dangesolution supplier for agiv | ntifies, such as Unique Prop ied consistently. | entyReference |
| VVI-KI | WH | WHC | BYWHN |

Wendstaproduts, eg rewreports, onthedsta programme product road repare bloded or have their Data Technical Group with building a specific functionality outsiled due to feature limitations of a line of business system this will trigger a delog rewith the supplier to try and resolve the constraint.

Wrenthe Data Advisory Group has tasked the

