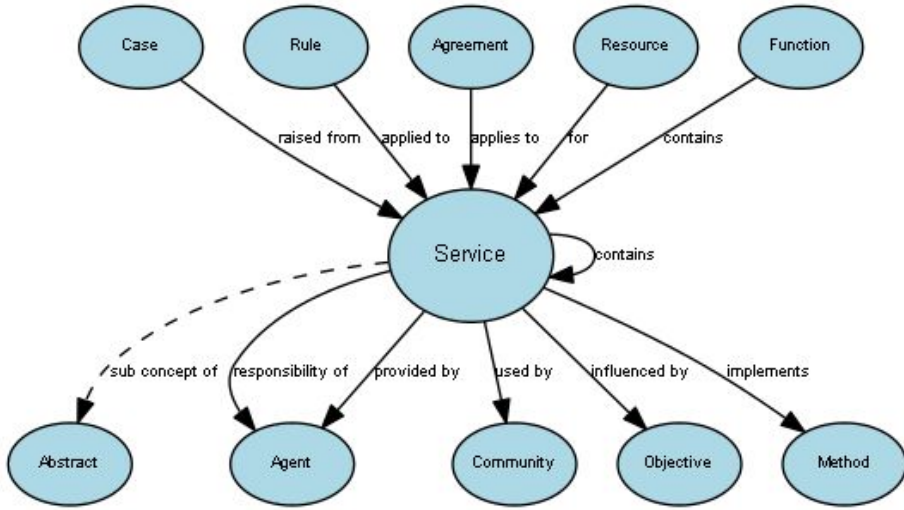


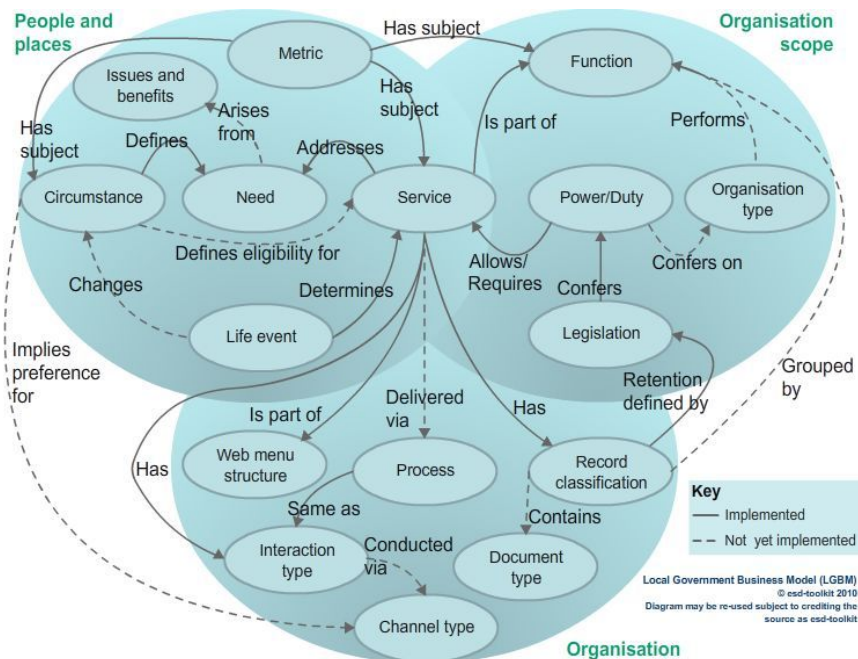
Standard Landscape.

Title	Local Services Schema
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Change Control

Date	Version	Owner	Note
25th July 2016	1	Paul Davidson, iStandUK	

Data Concepts	<p>The concept of a 'SERVICE' is defined in the Smart City Concept Model at http://www.legsb.gov.uk/smartcityconceptmodel/index.php?Action=ShowConcept&Id=169</p> <p>The Standard should also include, or be linkable to ...</p>  <pre> graph TD Case((Case)) -- raised from --> Service((Service)) Rule((Rule)) -- applied to --> Service Agreement((Agreement)) -- applies to --> Service Resource((Resource)) -- for --> Service Function((Function)) -- contains --> Service Service -- contains --> Service Service -.-> sub concept of Abstract((Abstract)) Service -- responsibility of --> Agent((Agent)) Service -- provided by --> Community((Community)) Service -- used by --> Objective((Objective)) Service -- influenced by --> Method((Method)) </pre> <ul style="list-style-type: none"> • AGENT - the organisations who deliver a SERVICE and/or are responsible for a SERVICE; • COMMUNITY - the audience group to whom a SERVICE is targeted, which can include the geographic reach as 'PLACE'; • RULE - eligibility criteria etc • FUNCTION - a collection of SERVICES; • OBJECTIVE - an outcome that an AGENT is working to achieve via a SERVICE; • CASE - cases that have been raised within a SERVICE;
Existing Standards	<p>There are a number of existing standards which include a data definition of SERVICES. These include</p> <ul style="list-style-type: none"> ● schema.org - http://schema.org/ ● open311 - http://www.open311.org/ ● openReferral - https://openreferral.org/ ● Local Links - http://www.localdigitalcoalition.uk/links-support/ ● European Community 'SERVICE' core vocabulary - https://joinup.ec.europa.eu/asset/core_public_service/asset_release/core-public-service-vocabulary-0
Vocabularies	<p>LG Inform provides the Local Government Business Model (LGBM) at http://standards.esd.org.uk/LGBM</p>



The LGBM provided a set of terms for as ‘type lists’ for

- SERVICE - <http://id.esd.org.uk/list/services>
- FUNCTION - <http://id.esd.org.uk/list/functions>

The type lists can be used to discover

- SERVICES of the same type from many AGENTS
- SERVICES which are relevant to a type of 'NEED' or 'CIRCUMSTANCE'
- The legal basis for a SERVICE in terms of
 - Power or Duty
 - Legislation

Service Category Lists used by other types of organisation

Reference Data	<p>AGENT</p> <ul style="list-style-type: none"> Local Authorities in England can be referenced by <ul style="list-style-type: none"> URIs from OpenDataCommunities LAs other than England? Other local public organisations? <p>PLACE</p> <ul style="list-style-type: none"> Places can be referenced by <ul style="list-style-type: none"> Administrative Geographies from Ordnance Survey Statistical Geographies from Office of National Statistics Places can be looked up by <ul style="list-style-type: none"> Post Code <ul style="list-style-type: none"> How? 		
Formats	<table border="1"> <tr> <td> CSV </td> <td> The LGA provide guidance on how to write CSV schemas at http://opendata.esd.org.uk/ESDSchemaGuidance.pdf </td> </tr> </table>	CSV	The LGA provide guidance on how to write CSV schemas at http://opendata.esd.org.uk/ESDSchemaGuidance.pdf
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	<table> <tr> <td></td><td> <p>The standard should be defined as a 'csv schema definition', via a JSON object, conforming to either</p> <ul style="list-style-type: none"> ● CsvLint (http://csvlint.io/about) , promoted by the ODI (http://theodi.org/blog/introducing-csvlint) , uses the the JSON Table Schema, with a few modifications (http://specs.frictionlessdata.io/json-table-schema/) <ul style="list-style-type: none"> ○ This is the format in use by the Local Government Association ○ This has a validator ● The more recent 'CSV on the Web' (http://w3c.github.io/csvw/primer/ and http://www.w3.org/TR/tabular-data-model/) , defines a csv schema language (http://w3c.github.io/csvw/metadata/#schemas) </td></tr> <tr> <td>XML</td><td>The standard should be defined as an XSD schema.</td></tr> <tr> <td>JSON-LD</td><td>The standard should be described as a schema as defined at http://json-schema.org/</td></tr> <tr> <td>Ontology</td><td>New classes and properties should be defined using rdfs.</td></tr> </table>		<p>The standard should be defined as a 'csv schema definition', via a JSON object, conforming to either</p> <ul style="list-style-type: none"> ● CsvLint (http://csvlint.io/about) , promoted by the ODI (http://theodi.org/blog/introducing-csvlint) , uses the the JSON Table Schema, with a few modifications (http://specs.frictionlessdata.io/json-table-schema/) <ul style="list-style-type: none"> ○ This is the format in use by the Local Government Association ○ This has a validator ● The more recent 'CSV on the Web' (http://w3c.github.io/csvw/primer/ and http://www.w3.org/TR/tabular-data-model/) , defines a csv schema language (http://w3c.github.io/csvw/metadata/#schemas) 	XML	The standard should be defined as an XSD schema.	JSON-LD	The standard should be described as a schema as defined at http://json-schema.org/	Ontology	New classes and properties should be defined using rdfs.
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