



CONSULTANCY

We offer a complete range of consultancy, data modelling, software design and development services to support organisations needing to explore, design and exploit linked data.

Our team has a wealth of experience in all aspects of Linked Data and semantic technologies.

We are recognised globally for building and contributing to the development of open data standards and open source technologies that are trusted and used in the public and private sector.

Our team have also been active in supporting the

development of Open Data Initiatives within the UK. We helped to develop the standards that underpin linked data. We co-developed Apache Jena, the most widely used semantic web development environment. We developed ELDA, our open source implementation of the Linked Data API, for which we also offer commercial support.

Good exemplars of our work are the services related to Bathing Water Quality available at environment.data.gov.uk.

DATA STRATEGY DEVELOPMENT

Our consultants have extensive experience in helping clients to identify new opportunities for using or integrating datasets, do user research, and design and manage projects. This could include helping you to scope out a project; identify suitable datasets for publication and produce a complete project plan. We bring our unique and extensive expertise to help you get the most out of your data.



Create a strategy for publishing your data as 5-star data or with an ODI Open Data Certificate



Create a strategy for internal data integration to maximise the use of your data



Build a plan for growing your internal data capabilities



Enhance your data governance practices and build a data infrastructure

DATA MODELLING

Whether you are looking to build a linked data infrastructure better to connect data within your organisation, or looking to publish data for use by partners and others then good data modelling is critical. We can work with you to help you model your data – building a firm foundation for the services you need while taking care to create models that are flexible and adapt as your data needs grow and extend.

We can help you scope the data modelling requirements – identifying needs for core reference data, deciding when to reuse existing ontologies and when to develop new ones. Then we can help you to develop the models you need, to manage them and to exploit them to connect your data.



Create reusable ontologies for safe and effective data integration



Build a flexible modelling foundation that can adapt as data changes



Develop identifier schemes and core reference data to connect data



Training and ontology review services available

APPLICATION DEVELOPMENT

We have a wide range of experience in developing front-end applications targeted at either end-users or system maintainers and data-publishers. We can carry out user research with stakeholder groups to ensure that we can provide a user experience that meets people's needs. We have extensive experience in developing Linked Data Applications for the UK public sector.

We can develop end-user applications on top of your data, making your data available to the people who need it the form that is most appropriate for them. An example of our work is the Bathing Water Quality Explorer developed for the Environment Agency, which enables members of the public to explore bathing water quality data, and view any short term pollution alerts.



Make your data accessible to the people who need it



Visualisations that help you build insight and tell compelling stories with your data



Data explorers and embeddable web content (widgets) that support users to discover, explore and extract your data



Data API development to support the management and publication of your linked data