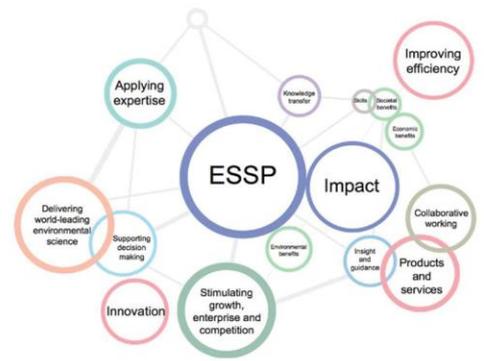


ESSP

Environmental Science to Services Partnership

NEWSLETTER

November 2016



ESSP is a partnership of six leading UK public sector environmental science organisations sharing a common goal of delivering services, benefit and economic growth from their capabilities.



British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL



Centre for Ecology & Hydrology
NATURAL ENVIRONMENT RESEARCH COUNCIL



Environment Agency



Met Office



NERC
SCIENCE OF THE ENVIRONMENT



Ordnance Survey

DATA SPRING

DataSpring is an API Management System jointly developed by the ESSP. DataSpring provides a single sign on, one stop shop for direct access to trusted environmental data from the authoritative sources across ESSP and beyond

Let's find out about DataSpring

In this era of big data, DataSpring offers the potential to deliver a step-change in the way that environmental data are made available, integrated, analysed and used, becoming the 'go-to' single point of access for trusted environmental data and derived value-added information produced by ESSP organisation and wider government.

Our ambitions are to build and establish sustainable relationships with innovators and developers, accrediting and promoting their tools and applications based on their use of our authoritative sources of data.

For data providers, engagement with DataSpring increases the reach of their data, supports data-driven decision making, stimulates economic growth and demonstrates cross government working.

Over coming months DataSpring will be refreshed with a clearer lay out, more useable and useful content and user guides. We hope to launch DataSpring as a persistent test-bed in Spring 2017 with consistent developer licensing across open and restricted access data. This new approach to data access will help developers discover new ways of working with our data and allow us to test out new datasets with developers.

ESSP: <http://www.ESSPartnership.org>

DataSpring <https://www.thedataspring.org/store/>

We've been busy talking to users

In September we attended the [OneResilience Conference](#) in Manchester, a joint event hosted by ResilienceDirect and the NHP (Natural Hazards Partnership) for the emergency response community. We had a lot of interest in the prototype DataSpring service and continue to follow up on some of those leads.

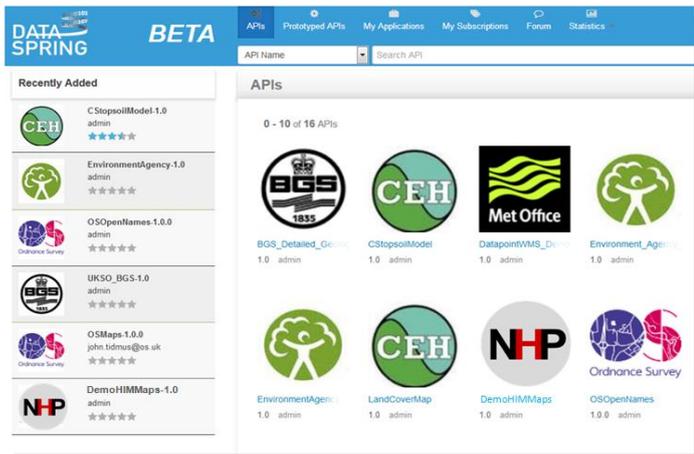


We're working together

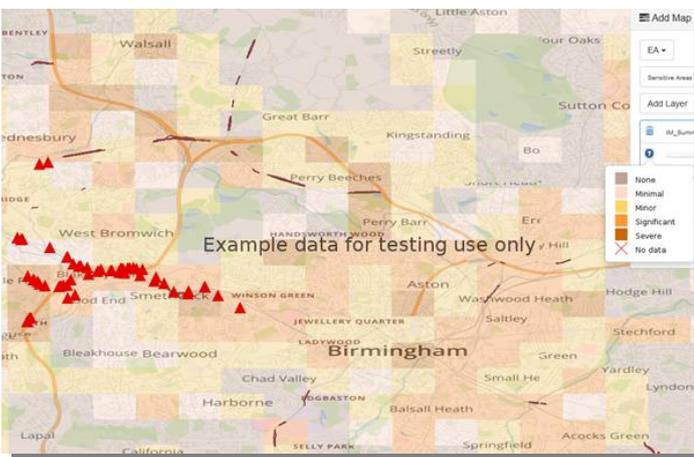
Following the Conference, and to demonstrate the potential for DataSpring to be the single access point to trusted environmental data and information beyond the six partners, we continued working with colleagues in the Natural Hazards Partnership <http://www.naturalhazardspartnership.org.uk/>

We have demonstrated how we can easily publish examples of their Hazard Impact Model outputs on DataSpring and showcase how these map layers could be easily used and displayed alongside existing datasets and map layers.

Whilst these Hazard Impact Maps are only example data for demonstration purposes they are helping us understand use cases and encourage custodians of other authoritative data sources to publish on DataSpring.



NHP API available on DataSpring



Surface Water Flooding model forecasts displayed with embankments and discharge points

API Market Research

The ESSP has commissioned a report to better understand what software developers and analysts want and need when looking for sources of third party data.

Recognising that the rapid growth of the API industry is accelerating, there was clear support for a service like DataSpring.

Some of the key findings from the research included the need for:-

- Consistency of data standards & service levels
- Transparency in terms of content & pricing
- Reliable, on-time delivery of data
- Simplified licensing arrangements
- Pro-active communication
- Improved integration to enable developers to combine data and create new solutions to drive decision making and economic growth
- Ease of use, particularly when assessing the feasibility of using data for a new development
- Ensure data is accessible (including sample or demo data sets), clearly documented and easily understood
- Data providers should consider how they can help reduce developers' risks and increase opportunities for them, e.g. by marketing or endorsing their end products and apps. Closer engagement with developer communities has mutual benefits.
- Trust is a key part of the choice of data sources. Data providers need deliver solid, reliable data as their core foundation before any subsequent services or initiatives add real value.
- If you have any thoughts on this please do get in touch (see details below).

If you want more information and want to learn more:

- Learn more about ESSP visit our website www.ESSPartnership.org where there are links to DataSpring and an Open Data Viewer.
- Email us at info@ESSPartnership.org
- Start exploring the DataSpring API store go to <https://www.thedataspring.org/store/>

