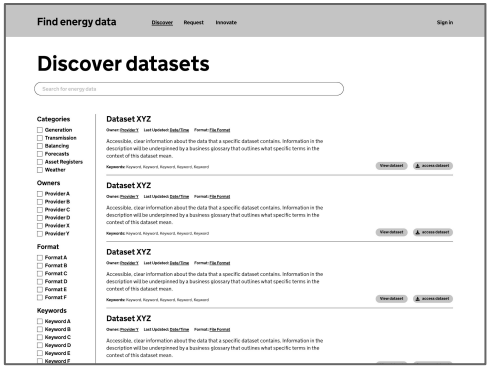
Riskiest service assumptions and prototypes

hippodigital

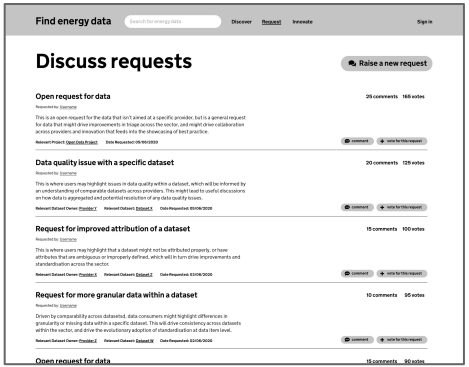
High level service overview

The service seeks to enable users to:



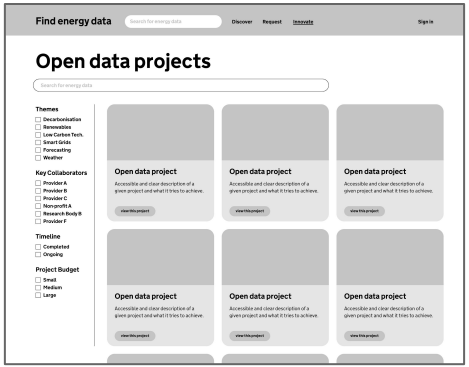
Discover

Users can discover, search for, and understand datasets from across the sector



Request

Users can publicly request more data, or highlight specific issues in datasets, and have discussions around the same

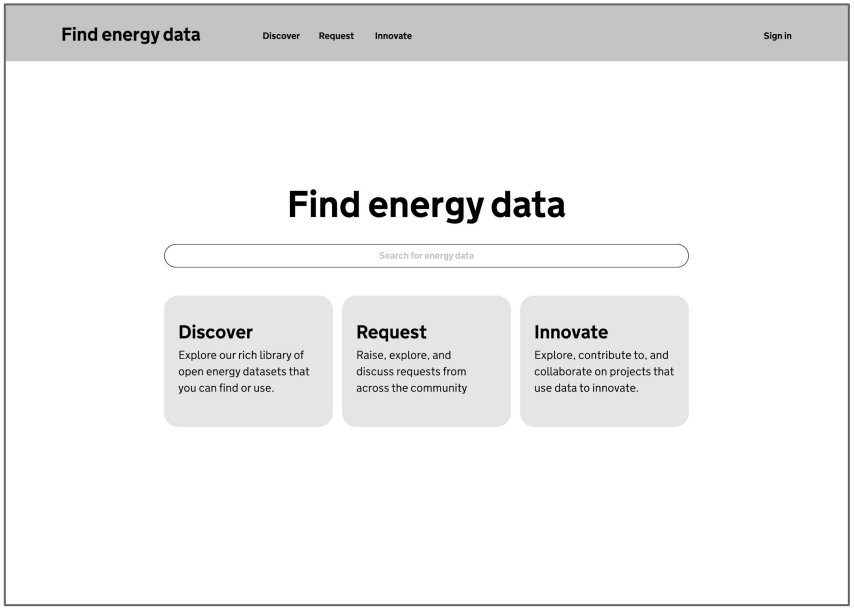


Innovate

Service highlights projects that make innovative use of energy sector data, enabling providers and consumers to collaborate on the same

Centralising visibility

hippodigital



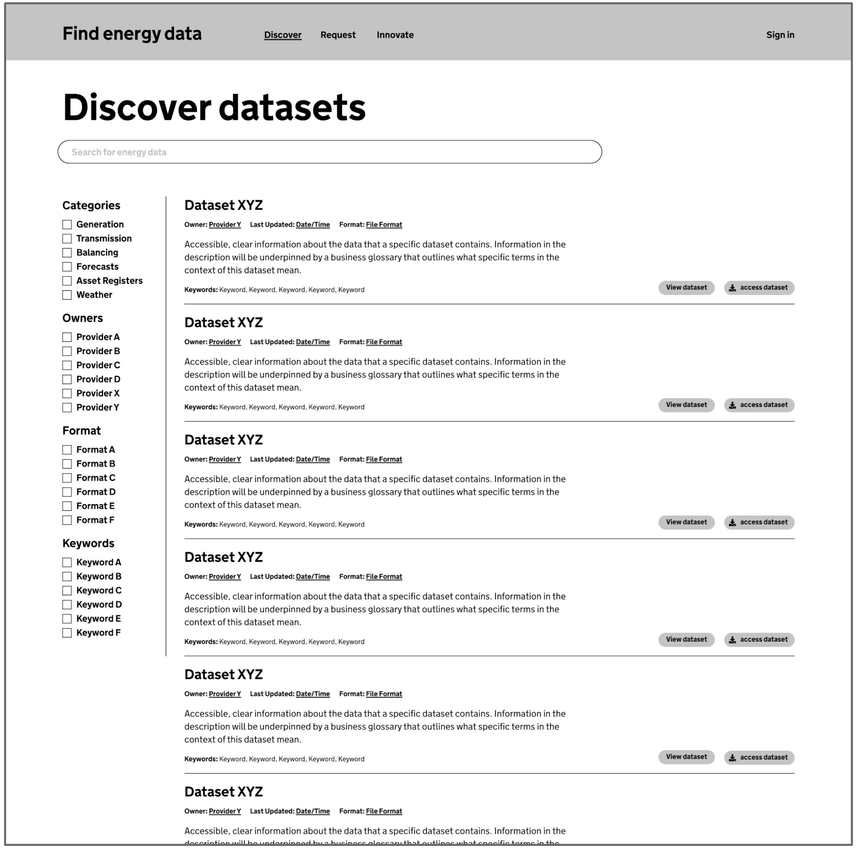
Service Landing Page

A wireframe outlining what the service's landing page might look like

Assumption	Risk
At a user experience level, there is a need for available data sources from across the sector to be centrally visible "in one place," so that users don't have the disjointed experience of moving across various platforms to find out what data sources are available. Therefore, we believe that there is value in bringing datasets together in a central location. It is important here to not conflate the centralisation of visibility, which is an experiential concern, with a centralised approach to architecture, which is an infrastructural concern that will be considered within Alpha.	High Importance / High Certainty

Making data discoverable, searchable, and understandable

hippodigital



Search Capability

The following wireframe highlights what the service's categorical search capability might look like in the first instance. Over time, the richness of the categories and the power of the search capability will evolve in line with the evolutionary approach to standards recommended as part of this service - and as more data is created, shared, and made visible.

Assumption	Risk
We will be able to find a set of attributes that aids energy sectors datasets' discoverability, searchability, and understandability for data consumers while still being acceptable and cost-effective for providers. An initial set of assumed attributes has been outlined in the report, and presented 'in context' in the prototypes alongside.	High Importance / Low Certainty
Providing users with the information needed to help the discoverability, searchability, and understandability of the datasets - as outlined above - and informing users of how datasets relate to each other, will help flatten the learning curve for data consumers who are unfamiliar with energy sector data.	High Importance / Low Certainty

Search Capability

The following wireframe highlights what a user would see if they chose to explore a dataset in more detail. The wireframe highlights how the various assumed attributes come together to help improve users' understanding of existing datasets, and how relationships between these attributes power rich capabilities such as recommendations to related datasets. Given that users don't view visibility and access as separate concerns, the service enables both visibility of and access to data.

Assumption	Risk
Building on the assumptions on slide 7, a better understanding of the existing data landscape will provide consumers with the information needed to make clear, well-defined requests for data that is missing - driving further visibility.	High Importance / Low Certainty
Since users don't view visibility and access as separate concerns, the service should enable both visibility of and access to data.	High Importance / High Certainty

Security Considerations

As the attributes surrounding risks, aggregation method, and confidence level highlight, our assumed attributes also take into consideration the security concerns that emerge from misinterpretation of datasets. Similarly, we envision the service needing some form of access mechanism to enable providers to understand how their service is being used.

Assumption	Risk
Given that users don't view visibility and access as separate concerns, the service will need to have appropriate considerations around security and governance to enable providers to share data. Our current assumptions to this end are as follows: • Highlighting security considerations surrounding a dataset within its attributes will help mitigate some of these concerns • Providing a means within the service for providers to see how their data is being used, and by whom, will be a relevant prerequisite for providers to share data	High Importance / Low Certainty

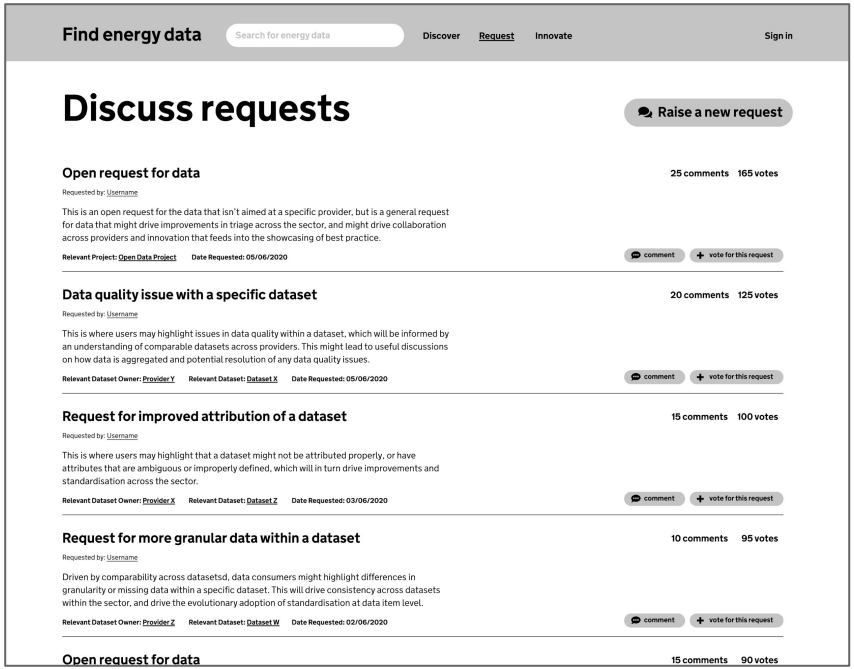
Driving collaboration

hippodigital

Collaboration and Requests

As the following wireframe highlights, datasets will also have owners and contact details assigned to them so that consumers can easily converse and collaborate with data providers. Similarly, a mechanism is provided for consumers to be able to make public requests for data / dataset improvements, which feeds into the forum feature outlined below.

Assumption	Risk
Enabling collaboration between providers and consumers within the end service will be central to enabling the market pull to make more data visible; in line with the assumption above. Our current assumptions around what these enabling features may look like are as follows: • Appropriate ownership and contact details to be provided as part of a dataset's standardised attributes to ensure that consumers can raise concerns and queries with data providers. This will also allow for comparability across providers to be achieved as part of driving the market pull envisioned as being a function of the service • A mechanism of some sort wherein consumers can publicly request data or dataset improvements from providers, which ties in to the need for datasets to have clear ownership and contact details assigned to them	High Importance / Medium Certainty

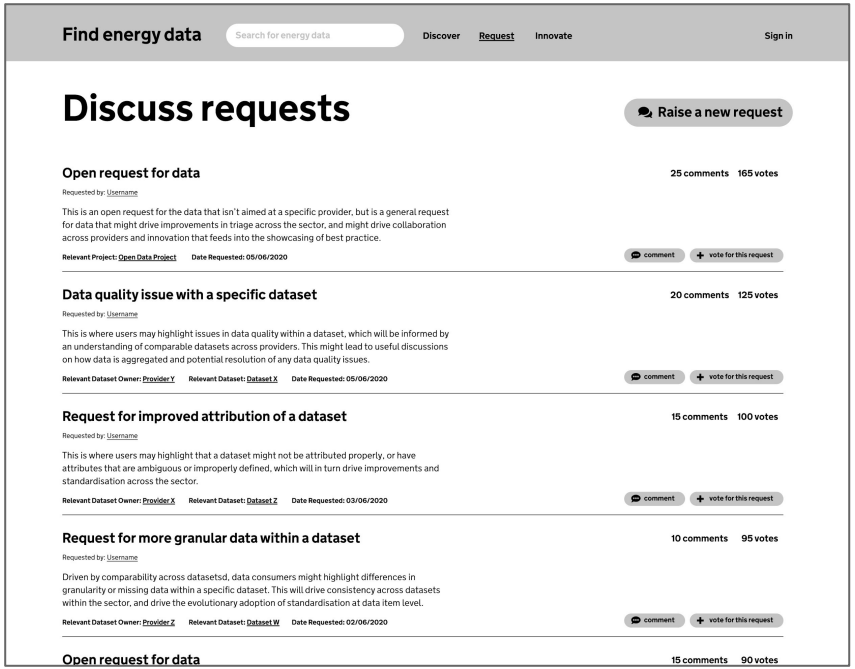


Request Discussion Forum

The following wireframe outlines what a forum for discussing data requests might look like.

Assumption	Risk

Another feature that may enable collaboration between providers and consumers is:
 	
• A forum to:
  ○ Make, discuss, and support public requests for data, enabled via interactions such as voting and comments
  ○ highlight data quality issues across a wide range of datasets
  ○ discuss use cases and projects as part of making requests for data, which naturally feeds into the service's aim of highlighting and driving innovation across the sector
	High Importance / Medium Certainty



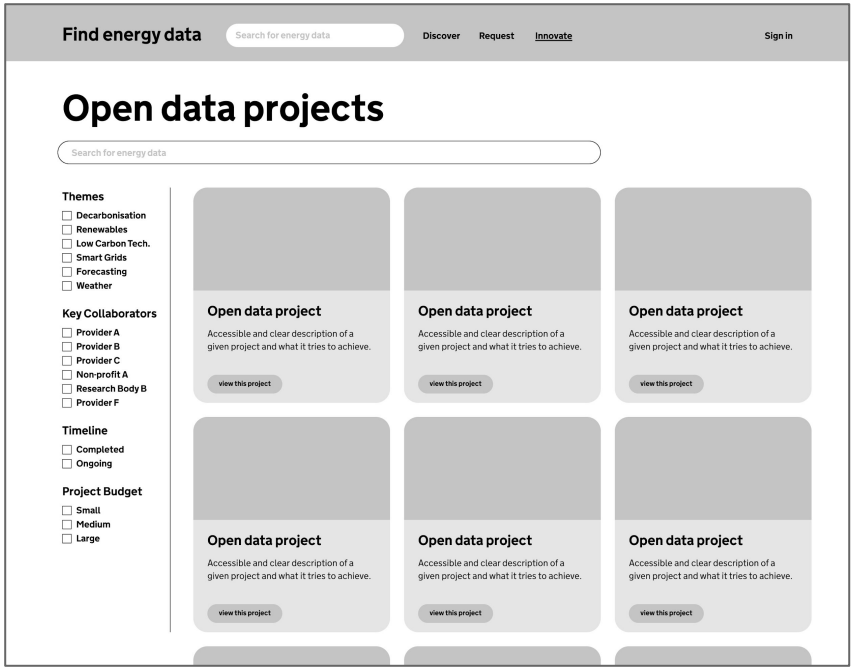
Request Discussion Forum

The following wireframe outlines what a forum for discussing data requests might look like.

Assumption	Risk
We believe that the visibility of requests within the service will be able to feed into developing a standardised "presumed open" data triage process across organisations, helping move the industry to a state where data is comparable across a wide range of providers. We believe that the work being done by the Energy Networks Association towards developing a standard triage process across network organisations can be leveraged to this end, and that this approach could be expanded to include other trade organisations such as the ADE. This is expanded upon in Recommendation 5 within the report.	High Importance / Medium Certainty

Highlighting innovation

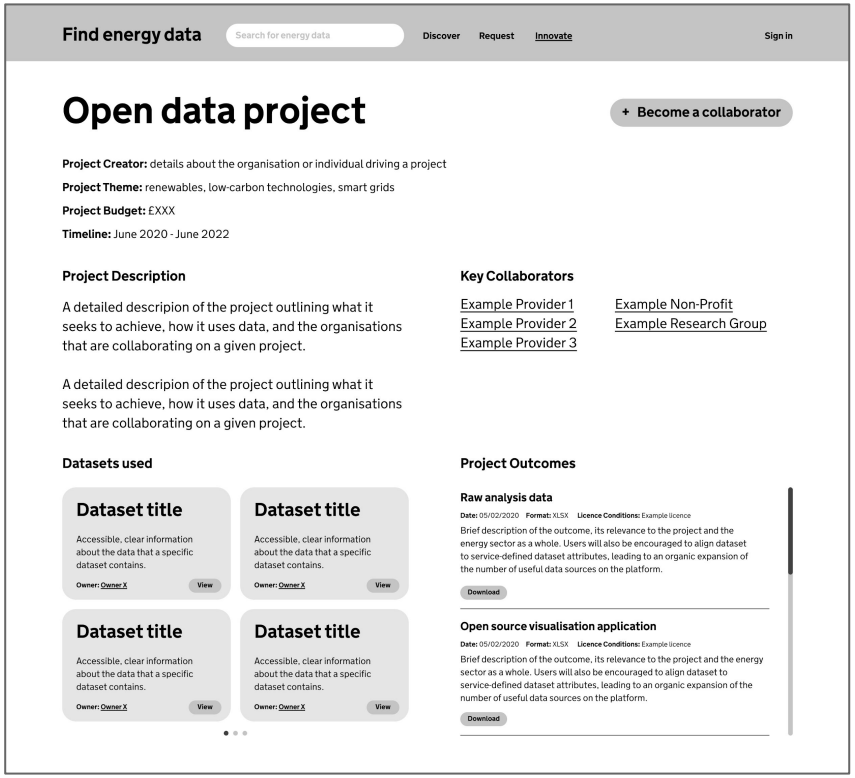
hippodigital



Showcasing Innovation

The following wireframe shows how different innovation projects can be showcased.

Assumption	Risk
Using the service to highlight examples of innovation from across the sector, and illustrate how data sharing by data providers drives positive collaboration and innovation will: • help connect innovators to data providers and other collaborators, creating a positive feedback loop of innovation • encourage more data sharing, drive additional investment in improving data quality, and lead to the creation of rich new data sources	High Importance / Low Certainty



Showcasing Innovation

The following wireframe shows what a page for a specific innovation project might look like. It highlights how the project uses datasets from across the service, the outcomes that a project generates, and key organisations collaborating on a given project. Users also have the option to become collaborators via the service.

Assumption	Risk
Using the service to highlight examples of innovation from across the sector, and illustrate how data sharing by data providers drives positive collaboration and innovation will: • help connect innovators to data providers and other collaborators, creating a positive feedback loop of innovation • encourage more data sharing, drive additional investment in improving data quality, and lead to the creation of rich new data sources	High Importance / Low Certainty