

Agrimetrics

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About us

A UK public and commercially funded organisation, founded to accelerate new innovations from agri-food and environmental data

We are the UK food and farming sector's Data Marketplace











The required data aren't available









Trapped in data silos

Low data interoperability

Data skills shortage

Products & Services



Our out of the box data exchange avoids businesses spending years of effort and millions of pounds creating their own from scratch



Open or Private Data Exchanges white-labelled, tailored and branded for each organisation and business



Marketplace for data cataloguing, consumption and data sales



Foundational Datasets including field boundaries, weather, water, soils, habitats

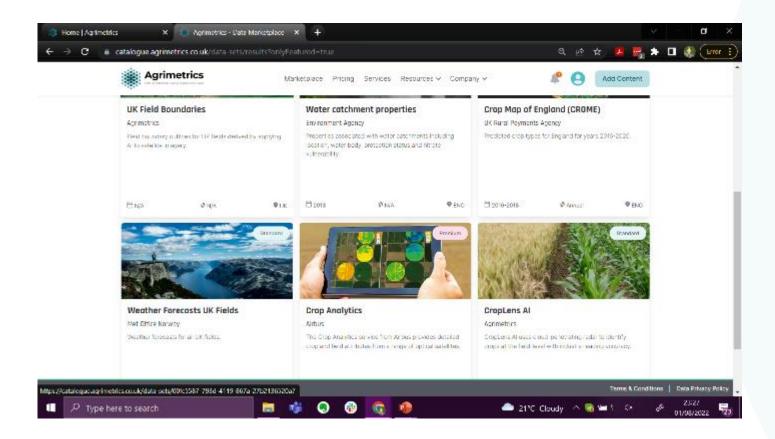


Analytics tools and Apps such as regenagri, wHen2gO and ForestMind



Professional services for implementing data exchanges, data cataloguing, data governance

Data Catalogue and Data Marketplace



Simple-to-use data catalogue Filter by dataset properties Add and share new datasets



Core data

- Field Explorer
- Soils
- Water
- Weather
- Field Boundaries

Open data

- Microsoft Fields of the World
- A selection of environmental data

Premium data

- Airbus Crop Analytics
- A range of Airbus data
- CEH pesticide and fertiliser data
- CHAP Crop Disease Models
- Monetise your data

Defra Data Services Platform



From end June 2023 Agrimetrics will host Defra Group's Environmental Data

- 4,500 + datasets
- 30 applications
- 1.8 billion API calls
- 13,000 users

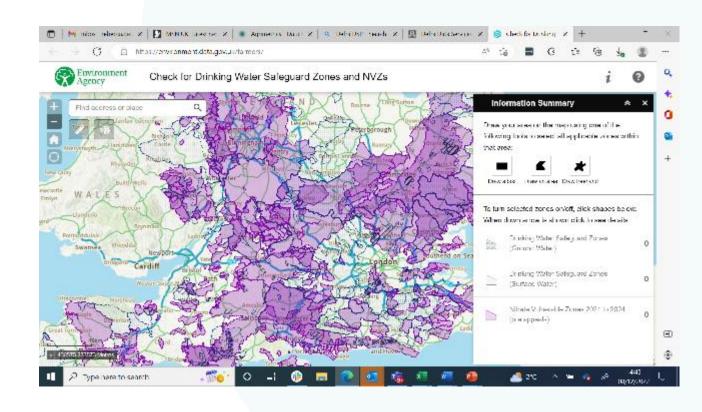
Nationally critical datasets

- Flooding, rainfall data, drinking water,

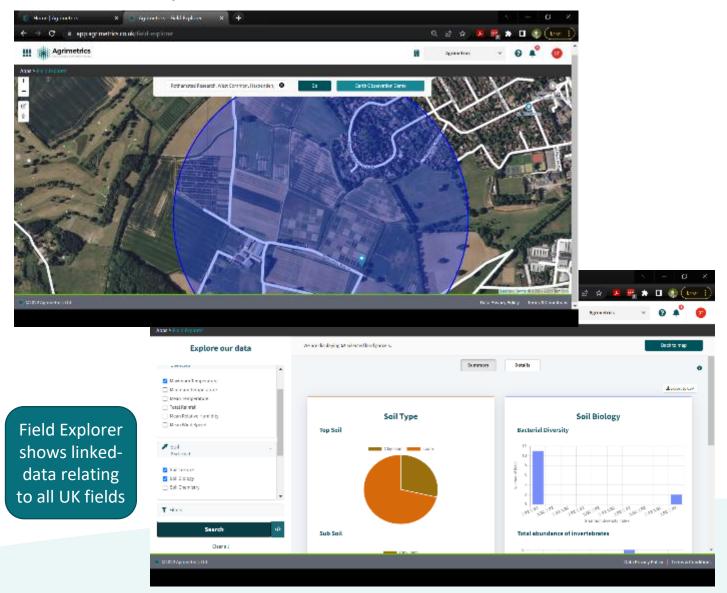
bathing water plus many more







Field Explorer





Field Explorer

- Geospatial data, attributed to each UK field
- Core data subscriptions

API



```
Application programmer interface.

REST (representational state transfer protocol) based on HTTP.

(Simple) Request comprises:

Endpoint:

https://api.agrimetrics.co.uk/field-forecasts/v1/

Path:

5S_oM05pMGHliApKJXnYsA

Query:

We'll come back to that
```

APIS



Basic:

Supply field ID and get a range of info for those fields

5S_oM05pMGHliApKJXnYsA

Field facts

Field forecasts

Field trends.

Field search

Search for fields and return information

Documentation.

GraphQL

Alternative approach to searching.

Field Search



Allows user to find fields according to a range of criteria

Documentation

Try it

Filter:

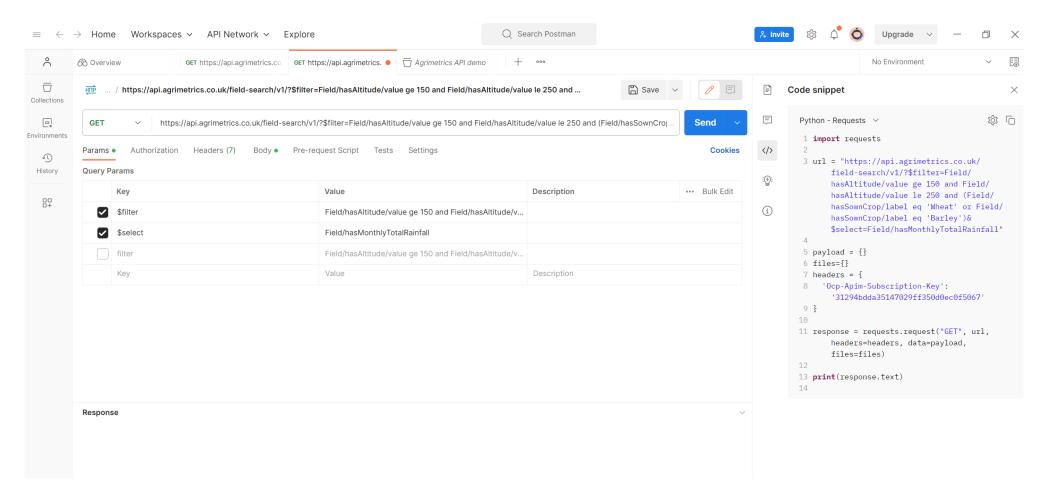
```
geo.distance(Field/centroid, geography'SRID=4326;Point(-0.354829 51.809346)') lt 1500
Field/hasAltitude/value ge 150 and Field/hasAltitude/value le 250 and (Field/hasSownCrop/label eq 'Wheat' or Field/hasSownCrop/label eq 'Barley')
```

Select:

Field/hasMonthlyTotalRainfall

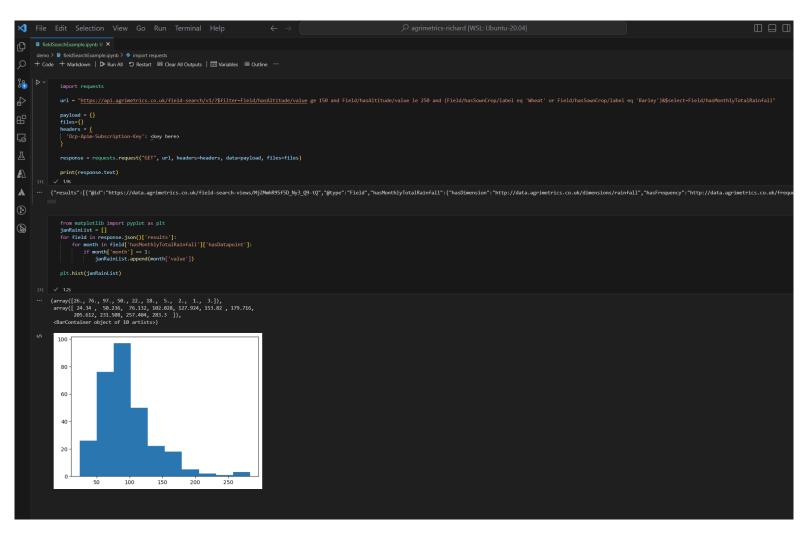
Postman (The tool for exploring APIs)





Python

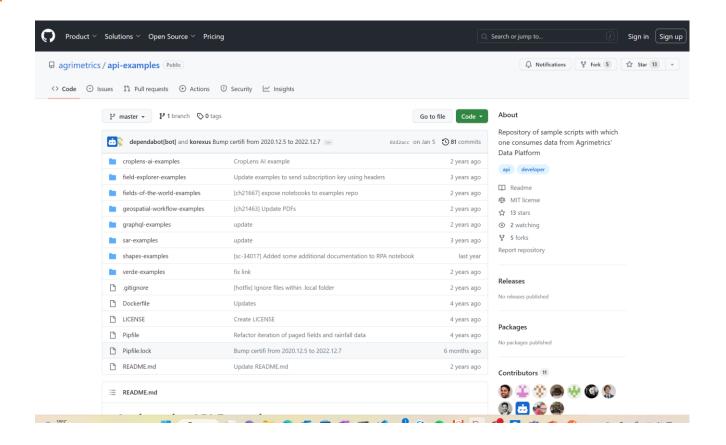




Code samples



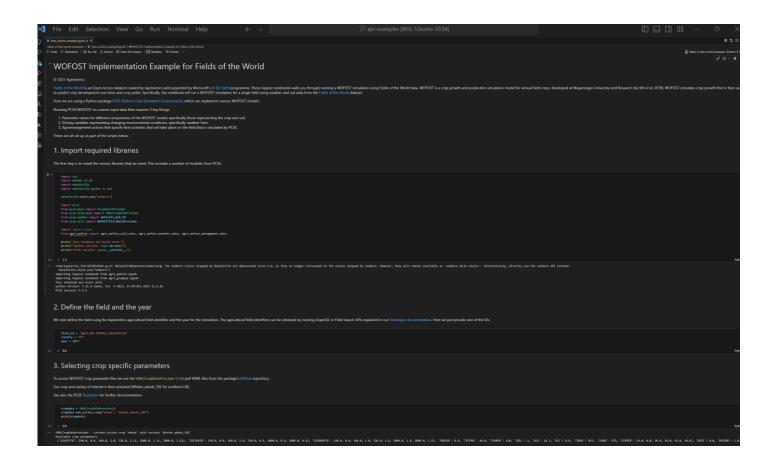
GitHub Repository



Crop Modelling



Code sample



Developer Documentation



Developer portal

Getting started

API documentation

Code samples