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Planning

GSCIP Data Visualisation Tools 2025-28

Department for Business and Trade

F01: Prior information notice
Prior information only
Notice identifier: 2025/S 000-032309
Procurement identifier (OCID): ocds-h6vhtk-054896
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Section I: Contracting authority

I.1) Name and addresses

Department for Business and Trade

London

Email

commercialbpo@businessandtrade.gov.uk

Country

United Kingdom

Region code

UK - United Kingdom

Internet address(es)

Main address

https://www.gov.uk/government/organisations/department-for-business-and-trade

I.2) Information about joint procurement

The contract is awarded by a central purchasing body

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.4) Type of the contracting authority

Ministry or any other national or federal authority

I.5) Main activity

General public services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

GSCIP Data Visualisation Tools 2025-28

II.1.2) Main CPV code

- 72300000 - Data services

II.1.3) Type of contract

Services

II.1.4) Short description

This Notice signals DBT's intention to go to market to replace the current contract for the Global Supply Chains Intelligence Programme (GSCIP) Interactive, High-Performance Network Visualisation Tool which expires in September 2025 and is for Market Engagement purposes only.

At the heart of this programme is a graph style database which is developed by adding both commercial and government data sets which we provide or procure, to probabilistically infer relationships between products, entities, and geolocations for global supply chain mapping.

This PIN is to engage with companies that can supply an Interactive, High-Performance Geospatial Network Visualisation Tool data analysis and visualisation tool(s) that can be used to analyse and display our knowledge graph data and relationships to improve our supply chain mapping capabilities.

II.1.5) Estimated total value

Value excluding VAT: £525,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 48900000 - Miscellaneous software package and computer systems

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

GSCIP is a project led by DBT and currently supported by approximately six other departments which has combined HMG, private sector and open-source data to build detailed global supply chain maps at commodity and company level using a knowledge graph, and graph data analysis and visualisation tools.

We are exploring options and developing requirements for a potential partner to help us deliver either a single, or multiple Tools that will enable GSCIP Analysts to carry out specific to Data Analysis and Visualisations.

We require a web-based tool(s) that can enhance the interpretability and visualisation of global supply chain data, and fulfil the essential criteria for all of the following capabilities:

1. Interactive high-performance network visualisation

2. Integration with relevant analyst notebooks

3. Code-free manipulation and interactivity of previously created visualisation products

4. Geospatial visualisation of networks

The current infrastructure comprises a secure digital environment for storing, linking, and analysing HMG, commercial and open-source data. The environment features graph database capabilities, specialist data visualisation software, and analysis tools, such as Spark SQL, Python and R, for supply chain mapping. The programme resides within the core DBT infrastructure.

We would like to hear from companies that already have graph database analysis and visualisation software which can be deployed to our infrastructure and be used to interrogate our knowledge graph by analysts without coding skills.

The visualisation part of the software needs to be able to visualize 2M+ edges without disabling features and must be able to do interactive real-time analytics on 100M+ edges. We would like it to have connectors for various graph databases, non-graph databases, and tabular+graph files, be compatible with modern data format support (Apache Arrow etc.), and work with dominant tools such as Jupyter notebooks and StreamLit/Dash/Databricks dashboards.

We require the ability to perform advanced geospatial visualisation analytics on multi-tier supply chain data and allow for analysts to flexibly produce visualisations of the following type: choropleth maps, points on maps, points connected by edges on maps.

Following a review of the responses to this Notice, DBT may arrange a formal engagement with all respondents to discuss the findings. We anticipate that this may take place in early May and we will confirm in due course.

It is anticipated that the tender will take place this summer with the contract being awarded at the beginning of July 2025 with the contract commencement in October 2025.

Should we proceed to market we will use the Crown Commercial Service Spark DPS to carry out the tender. Only suppliers who are registered on the Spark DPS will be able to participate, therefore if you are interested in this potential opportunity, we recommend registration on the DPS as soon as possible. Details can be found at www.crowncommercial.gov.uk/agreements/RM6094

II.2.14) Additional information

Any queries relating to registering on the Spark DPS should be directed to the Crown Commercial Service, as DBT does not have any control over their process or requirements.

II.3) Estimated date of publication of contract notice

9 July 2025

Section IV. Procedure

IV.1) Description

IV.1.8) Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: Yes