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Award

Contract for Emissions of Green House Gas Data

Satellite Applications Catapult

F15: Voluntary ex ante transparency notice

Notice identifier: 2023/S 000-014429

Procurement identifier (OCID): ocids-h6vhtk-03ce19

Published 22 May 2023, 8:54am

Section I: Contracting authority/entity

I.1) Name and addresses

Satellite Applications Catapult

Electron Building, Fermi Avenue, Harwell

Didcot

OX11 0QR

Email

Procurement@sa.catapult.org.uk

Telephone

+44 1235567977

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

<https://sa.catapult.org.uk/>

Buyer's address

https://www.mytenders.co.uk/search/Search_AuthProfile.aspx?ID=AA42845

I.4) Type of the contracting authority

Other type

RTO

I.5) Main activity

Other activity

Space Sector

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Contract for Emissions of Green House Gas Data

Reference number

UKSA_SAC_GHG

II.1.2) Main CPV code

- 72319000 - Data supply services

II.1.3) Type of contract

Services

II.1.4) Short description

Contract is for the purchase of data generated by satellites on where, when and by how much methane emissions are made across the UK and internationally. This includes a substantial archive of data and an ongoing delivery of new data from satellites tasked by UK customers.

This contract allows multiple users to access the data via the vendors service platform.

Deliverables include:

- Abundance dataset: Access the abundance datasets for select locations (approximately 5,000 images); a multi-layered image containing methane concentration amounts and surface reflectance. Spatial resolution is less than 50m.
- Concentration map: Access to concentration maps of methane emissions. Spatial resolution is less than 50m.
- Archive data which is historical satellite data from at least the previous two years and for select countries (i.e. spatial extents).

The Satellite Applications Catapult is making this purchase on behalf of the UK Space Agency who have instructed it to use this supplier.

II.1.6) Information about lots

This contract is divided into lots: No

II.1.7) Total value of the procurement (excluding VAT)

Value excluding VAT: £5,500,000

II.2) Description

II.2.3) Place of performance

NUTS codes

- UKJ14 - Oxfordshire

Main site or place of performance

Didcot

II.2.4) Description of the procurement

Following publication of this notice, the Satellite Applications Catapult will allow a 10-day standstill period prior to entering into the contract, pursuant to regulation 99(3)(c) of the Public Contracts Regulations 2015.

The Satellite Applications Catapult intends to award the contract to GHGSat (UK) Ltd following the expiry of the VEAT notice.

The purchase is being made directly from the supplier as competition is absent for technical and operational reasons.

II.2.11) Information about options

Options: No

II.2.13) Information about European Union Funds

The procurement is related to a project and/or programme financed by European Union funds: No

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Award of a contract without prior publication of a call for competition in the cases listed below

- The procurement falls outside the scope of application of the regulations

Explanation:

Due to the absence of competition for technical and operational reasons, this supplier offers the most comprehensive capability for commercially available, taskable measurements of methane emissions at an individual asset scale with specialism in methane detection.

The supplier is the only known entity at this time with a constellation of satellites in-orbit that are specifically designed to detect Methane at very high spatial resolution (

The supplier's high-resolution imagery and analytics of point-source detections of methane, enabling spatial attribution of emissions to a high standard. Their constellation of satellites has a low detection threshold of 100 kg/hr and a high spatial resolution of less than 30 meters in a wide range of geographic (e.g. surface cover, topography) and weather (e.g. seasons, wind, lighting). Their methane-specific remote sensing capabilities provide estimates of small- and medium-sized leaks (>100 kg/hour) which is needed to supplement the superemitter events (5 tons/hour) that the public Sentinel satellites provide. The supplier's satellites feature the Innovative Wide-Angle Fabry-Perot (WAF-P) instrument which can be tuned to measure methane and carbon dioxide and perform measurements both onshore and offshore. Performance has been validated through controlled releases with commercial operators and in third-party, peer-reviewed blind trials (e.g. Stanford University Sherwin et al., Nature Sci Rep 13, 3836 (2023)).

The constellation of multiple satellites enables high availability (geographic coverage and specific site revisit) for measurements in any region of the world of interest to UK stakeholders.

The supplier is also to meet our legacy data requirements, of a minimum of 2 years previous, having the maximum historic availability of data, dating from 2021.

Value for Money has been confirmed by gaining commitment from the supplier on utilising UK suppliers and creating social and economic benefit in the UK.

Finally, the Satellite Applications Catapult is making this purchase on behalf of the UK Space Agency who have instructed it to use this supplier.

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

The procurement is covered by the Government Procurement Agreement: Yes

Section V. Award of contract/concession

Contract No

UKSA_SAC_GHGSat

A contract/lot is awarded: Yes

V.2) Award of contract/concession

V.2.1) Date of conclusion of the contract

19 May 2023

V.2.2) Information about tenders

The contract has been awarded to a group of economic operators: No

V.2.3) Name and address of the contractor/concessionaire

GHGSat (UK) Limited

Cannon Place, 78 Cannon Street,

London

EC4N 6AF

Country

United Kingdom

NUTS code

- UK - United Kingdom

The contractor/concessionaire is an SME

Yes

V.2.4) Information on value of contract/lot/concession (excluding VAT)

Total value of the contract/lot/concession: £5,500,000

Section VI. Complementary information

VI.3) Additional information

(MT Ref:229407)

(MT Ref:229447)

VI.4) Procedures for review

VI.4.1) Review body

Public Procurement Review Service

Cabinet Office

London

Email

publicprocurementreview@cabinetoffice.gov.uk

Telephone

+44 3450103503

Country

United Kingdom

Internet address

<https://www.gov.uk/government/publications/public-procurement-review-service-scope-and-remit>