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Tender

## **Distributed sensor interrogators: Acoustic, Strain and Temperature**

UNIVERSITY OF EAST ANGLIA

F02: Contract notice

Notice identifier: 2022/S 000-032586

Procurement identifier (OCID): ocds-h6vhtk-0385fa

Published 17 November 2022, 8:50am

### **Section I: Contracting authority**

#### **I.1) Name and addresses**

UNIVERSITY OF EAST ANGLIA

Norwich Research Park,Earlham Road

NORWICH

NR47TJ

#### **Contact**

Karen Gallant

#### **Email**

[karen.gallant@uea.ac.uk](mailto:karen.gallant@uea.ac.uk)

#### **Country**

United Kingdom

#### **Region code**

UKH15 - Norwich and East Norfolk

**Companies House**

RC000651

**Internet address(es)**

Main address

[www.uea.ac.uk](http://www.uea.ac.uk)

**I.3) Communication**

The procurement documents are available for unrestricted and full direct access, free of charge, at

<https://in-tendhost.co.uk/universityofeastanglia.aspx/Home>

Additional information can be obtained from the above-mentioned address

Tenders or requests to participate must be submitted electronically via

<https://in-tendhost.co.uk/universityofeastanglia.aspx/Home>

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Education

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Distributed sensor interrogators: Acoustic, Strain and Temperature

Reference number

PURCON 1059

#### **II.1.2) Main CPV code**

- 38000000 - Laboratory, optical and precision equipments (excl. glasses)

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

Traditional methods of subsurface monitoring are restricted in either time or space. Spot measurements record continuously but lack spatial resolution. Campaign measurements capture high spatial resolution data at a single point in time. Distributed Sensing (DS) is a brand-new technology for environmental research that does not rely upon individual sensors but utilises optical fibre. DS methods will become increasingly used to analyse systems on a new range of scales - the high spatial resolution allows for microscopic-scale studies; the length of cables enables large-scale investigations.

The University of East Anglia has acquired funding for a system that includes distributed acoustic sensor (DAS), distributed strain sensor (DSS) and distributed temperature sensor (DTS). DAS to record high-frequency ground motion associated with natural sources such as earthquakes and active sources for exploration, DSS to record slower ground deformation from sources such as tectonic slip, glacial rebound and erosional processes, and DTS to capture temperature profiles and variations in the subsurface. Thus, DiSTANS (Distributed Strain, Temperature and Acoustic seNsing Suite) will contribute to answering many challenging questions related to the subsurface, and their control on the surface environment. Hence, DiSTANS will be deployed in a range of potentially hazardous environments.

#### **II.1.5) Estimated total value**

Value excluding VAT: £377,728

### **II.1.6) Information about lots**

This contract is divided into lots: No

## **II.2) Description**

### **II.2.2) Additional CPV code(s)**

- 73100000 - Research and experimental development services

### **II.2.3) Place of performance**

NUTS codes

- UKH15 - Norwich and East Norfolk

Main site or place of performance

University of East Anglia

Norwich Research Park

Earlham Road

Norwich

Norfolk

NR4 7TJ

### **II.2.4) Description of the procurement**

Traditional methods of subsurface monitoring are restricted in either time or space. Spot measurements record continuously but lack spatial resolution. Campaign measurements capture high spatial resolution data at a single point in time. Distributed Sensing (DS) is a brand-new technology for environmental research that does not rely upon individual sensors but utilises optical fibre. DS methods will become increasingly used to analyse systems on a new range of scales - the high spatial resolution allows for microscopic-scale studies; the length of cables enables large-scale investigations.

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Thus, DiSTANS (Distributed Strain, Temperature and Acoustic seNsing Suite) will contribute to answering many challenging questions related to the subsurface, and their control on the surface environment. Hence, DiSTANS will be deployed in a range of potentially hazardous environments.

#### **II.2.5) Award criteria**

Price is not the only award criterion and all criteria are stated only in the procurement documents

#### **II.2.7) Duration of the contract, framework agreement or dynamic purchasing system**

Duration in months

24

This contract is subject to renewal

No

#### **II.2.10) Information about variants**

Variants will be accepted: No

#### **II.2.11) Information about options**

Options: No

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Open procedure

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

The procurement is covered by the Government Procurement Agreement: No

### **IV.2) Administrative information**

#### **IV.2.2) Time limit for receipt of tenders or requests to participate**

Date

21 December 2022

Local time

12:00pm

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

#### **IV.2.6) Minimum time frame during which the tenderer must maintain the tender**

Duration in months: 3 (from the date stated for receipt of tender)

#### **IV.2.7) Conditions for opening of tenders**

Date

21 December 2022

Local time

12:05pm

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## **Section VI. Complementary information**

### **VI.1) Information about recurrence**

This is a recurrent procurement: No

### **VI.2) Information about electronic workflows**

Electronic ordering will be used

Electronic invoicing will be accepted

Electronic payment will be used

### **VI.3) Additional information**

Please note this procurement will be conducted via InTend, our e-tendering portal. You will need to register with InTend free of charge if you wish to access the tender documents. To register, please go to <https://in-tendhost.co.uk/universityofeastanglia.aspx/Home> and follow the instructions on the system.

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

University of East Anglia

Earlham Road, Norwich Research Park

Norwich

NR4 7TJ

Country

United Kingdom

#### **VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures

The University will incorporate a minimum of 10 calendar days standstill period at the point the information on the award of contract is communicated to tenderers. If an appeal

regarding the award of contract has not been successfully resolved, then the Public Contracts Regulations 2015 provide for aggrieved parties who have been harmed or are at risk of harm by breach of the rules to take action in the High Court. Any such action must be brought promptly and within the limitation period described in the Public Contracts Regulations 2015.