

**Norway-Trondheim: Industry specific software development services**

OJ S 52/2016 15/03/2016

Contract notice

Services

Directive 2004/18/EC

**Section I: Contracting authority**

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**I.1. Name and addresses**

Official name: Geological Survey of Norway (NGU)

National registration number: 970 188 290

Postal address: Postboks 6315 Sluppen

Town: Trondheim

Postal code: 7491

Country: Norway

Contact person: Geohazards and Earth observation

For the attention of: John Dehls

E-mail: [ngu@ngu.no](mailto:ngu@ngu.no)

Telephone: +47 73904000

**Internet address(es):**General address of the contracting authority: <http://www.ngu.no>Address of the buyer profile: <https://kgv.doffin.no/ctm/Supplier/CompanyInformation/Index/1709>Electronic access to information: <https://kgv.doffin.no/ctm/Supplier/Documents/Folder/141664>**Additional information can be obtained from:**

the abovementioned address

**Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from:**

the abovementioned address

**Tenders or requests to participate must be submitted:** the abovementioned address**I.2. Type of the contracting authority**

National or federal agency/office

**I.3. Main activity**

Education

Other: geological — and environmental research

**I.4. Contract award on behalf of other contracting authorities**

The contracting authority is purchasing on behalf of other contracting authorities: no

**Section II: Object of the contract**

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**II.1. Description****II.1.1. Title attributed to the contract by the contracting authority**

Framework agreement for software and methods development within InSAR.

**II.1.2. Type of contract and place of performance or delivery**

Services

Service category No 8: Research and development services

Main site or place of performance: Trondheim.  
NUTS code NO061 Sør-Trøndelag

### **II.1.3. Information about a framework agreement or a dynamic purchasing system**

The procurement involves the establishment of a framework agreement

### **II.1.4. Information about framework agreement**

Framework agreement with a single operator

#### **Duration of the framework agreement**

Duration in years: 1

#### **Estimated total value of purchases for the entire duration of the framework agreement**

Estimated value excluding VAT:

Range: between 1 500 000 and 4 000 000 NOK

### **II.1.5. Short description of the contract or purchase(s)**

Geological Survey of Norway (NGU) and the Norwegian Space Centre will establish a knowledge center that shall be responsible for prioritizing admission, systematic processing, refining methods and the establishment and operation of national ground segment for InSAR production line, and hereby invites offers for a framework agreement for software and methods development within InSAR.

The following objectives have been formulated for the system.

#### 1. Automated nationwide background processing

a. Nationwide deformation map in low resolution (circa 8x2 multilook), based on analysis of distributed scatterers (eg SBAS), updated 1-2 times per year

b. Deformation map of all urban areas in full resolution (5m x 20m), based on persistent scatterer analysis (PSI), updated 1-2 times per month

#### 2. On demand processing for advanced users.

a. Specialized processing with configurable parameters for special needs.

The assignment comprises of:

— Design of the interface with the core ground segment for search and download of data (backend)

— Design of the interface with the processing system (frontend)

— Elaboration and implementation of local archive system for InSAR processing

— Handling of archival data from other sensors

— Handling static supplementary and metadata

— Handling dynamic supplementary and metadata

— Handling of finished processed data

— Develop a flexible and well-documented API that allows heterogeneous, modular processing.

Requirements for bidders

a. Demonstrated capability of InSAR time-series analysis based on Sentinel-1 TOPS SLC products. Ability to process from Sentinel-1 IW RAW is an advantage.

b. Proven experience in InSAR for mapping geohazards.

c. Conditions for open licenses on proposed software and documentation

The Geological Survey of Norway will evaluate and compare only the Price quoted of those Bids found to be substantially responsive. Detailed evaluation shall be conducted on the basis of:

— Quality and experience within InSAR

— Quoted hourly rates

— Assignment execution plan and references

The bid shall be submitted in the following format:

- Original Bid on paper, dated and signed, in a sealed envelope and clearly marked ‘ Framework agreement for software and methods development within InSAR‘
- One copy in PDF format on CD or memory stick
- One censored copy in PDF format on CD or memory stick

Bidder shall prepare an original offer and send it in a sealed envelope. The envelope should then be placed in neutral envelope and sealed. The neutral sealed envelope shall be marked: ‘Bid: Framework agreement for software and methods development within InSAR’ and delivered within the 15.4.2016 to:

Geological Survey of Norway (NGU)(at the reception)  
Eirikssons vei 39, Lade  
7040 Trondheim, Norway

Bids can optionally be sent by regular mail to:

Geological Survey of Norway (NGU)  
PO Box 6315 Sluppen,  
7491 Trondheim  
Norway.

The Bidder holds the risk if the tender does not arrive in time at NGU in Leiv Eirikssvei 39. Valid tax certificate and HSE declaration shall accompany the tender.

NGU reserves the right to reject the entire, parts of the bid or to enter into negotiation with a selection of the most relevant suppliers. NGU reserves the right to go ahead with new request for bids depending on the size of received quotations, quantity and available budget.

Electronic Invoice:

NGU requires that the suppliers of goods and services have the capacity to send their invoices and credit notes electronically in accordance with the standard ‘Electronic Trade Format’ (Elektronisk handelsformat-EHF).

NGU uses the regulation ”General purchasing terms for government purchases of merchandise (AIS 89).

Any question regarding this bidding process should be addresses to Project Leader John Dehls, Phone+47 73 90 4454, E-Mail: [john.dehls@ngu.no](mailto:john.dehls@ngu.no) with a copy to [ngu@ngu.no](mailto:ngu@ngu.no)

Bidders are encouraged to submit a censored version of the bid that may be forwarded to other bidders (on request) without damaging any sensitive business information.

Bidding document is in Norwegian language. Interested parties are expected to be able to read instruction and specifications. Insufficient or erroneous bid is the bidder’s own responsibility and it will be rejected.

#### **II.1.6. CPV code(s)**

72212100 Industry specific software development services

#### **II.1.7. Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: yes

#### **II.1.8. Lots**

This contract is divided into lots: no

#### **II.1.9. Information about variants**

Variants will be accepted: no

### **II.2. Scope of the procurement**

#### **II.2.1. Total quantity or scope**

Estimated value excluding VAT:

Range: between 1 000 000 and 4 000 000 NOK

## **II.2.2. Information about options**

Options: no

## **II.2.3. Information about renewals**

This contract is subject to renewal: yes

Number of possible renewals: 3

## **II.3. Duration of the contract or time limit for completion**

Start 12.5.2016. Completion 11.5.2017

## **Section III: Legal, economic, financial and technical information**

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### **III.1. Conditions related to the contract**

#### **III.1.1. Deposits and guarantees required**

#### **III.1.2. Main financing conditions and payment arrangements and/or reference to the relevant provisions governing them**

— Tax and VAT certificate according to form RF-1244 (Norwegian providers). The certificate shall not be older than 6 months from the deadline expiration.

— Annual accounts for 2014 and 2015 confirmed by an auditor.

#### **III.1.3. Legal form to be taken by the group of economic operators to whom the contract is to be awarded**

#### **III.1.4. Contract performance conditions**

The performance of the contract is subject to particular conditions: yes

Description of particular conditions: A. Demonstrated capability of InSAR time-series analysis based on Sentinel-1 TOPS SLC products. Ability to process from Sentinel-1 IW RAW is an advantage.

b. Proven experience in InSAR for mapping geohazards.

c. Conditions for open licenses on proposed software and documentation.

### **III.2. Conditions for participation**

#### **III.2.1. Suitability to pursue the professional activity, including requirements relating to enrolment on professional or trade registers**

List and brief description of conditions: 1) Company registration certificate

(2) Tax certificate for VAT (National requirements)

(3) Tax certificate for taxes (National requirement)

(4) HES statement in accordance with the regulations (National requirement).

#### **III.2.2. Economic and financial ability**

List and brief description of conditions: 1) The company's most recent annual report including new information of relevance to the company's accounting figures

(2) Statement of the company's turnover from recent years with relevance to this contract.

#### **III.2.3. Technical and professional ability**

List and brief description of conditions:

(1) Overview of the company's total manpower

(2) of the principal deliveries effected in the past 3 years, with the values, dates and recipients

(3) A statement of the health, safety and environment policy

- (4) A statement of the quality assurance / quality control
- (5) A certificate issued by an accredited certification body or equivalent documentation.

#### **III.2.4. Information about reserved contracts**

#### **III.3. Conditions specific to services contracts**

##### **III.3.1. Information about a particular profession**

Execution of the service is reserved to a particular profession: no

##### **III.3.2. Information about staff responsible for the performance of the contract**

Obligation to indicate the names and professional qualifications of the staff assigned to performing the contract: yes

### **Section IV: Procedure**

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#### **IV.1. Type of procedure**

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

Negotiated

Some candidates have already been selected (if appropriate under certain types of negotiated procedures) no

##### **IV.1.2. Information about the limits on the number of candidates to be invited**

Envisaged number of candidates: 3

Objective criteria for choosing the limited number of candidates: 1. Demonstrated capability of InSAR time-series analysis based on Sentinel-1 TOPS SLC products. Ability to process from Sentinel-1 IW RAW is an advantage.

2. Proven experience in InSAR for mapping geohazards.

3. Conditions for open licenses on proposed software and documentation

4. Quoted hourly rates.

##### **IV.1.3. Information about reduction of the number of solutions or tenders during negotiation or dialogue**

Recourse to staged procedure to gradually reduce the number of solutions to be discussed or tenders to be negotiated no

#### **IV.2. Award criteria**

##### **IV.2.1. Award criteria**

The most economically advantageous tender in terms of Criteria below

1. Quality/Kvalitet / experience within InSAR

2. Quoted hourly rates

3. — Assignment execution plan and references

##### **IV.2.2. Information about electronic auction**

An electronic auction will be used: no

#### **IV.3. Administrative information**

##### **IV.3.1. File reference number attributed by the contracting authority**

16/00123

##### **IV.3.2. Previous publication concerning this procedure**

no

**IV.3.3. Conditions for obtaining specifications and additional documents or descriptive document**

Payable documents: no

**IV.3.4. Time limit for receipt of tenders or requests to participate**

15.4.2016 - 15:00

**IV.3.5. Estimated date of dispatch of invitations to tender or to participate to selected candidates**

**IV.3.6. Languages in which tenders or requests to participate may be submitted**

Danish. English. Swedish.

Other: Norwegian.

**IV.3.7. Minimum time frame during which the tenderer must maintain the tender**

**IV.3.8. Conditions for opening of tenders**

**Section VI: Complementary information**

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**VI.1. Information about recurrence**

This is a recurrent procurement: no

**VI.2. Information about European Union funds**

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

**VI.3. Additional information**

Tender document available in Norwegian language only.

**VI.4. Procedures for review**

**VI.4.1. Review body**

**VI.4.2. Review procedure**

**VI.4.3. Service from which information about the review procedure may be obtained**

**VI.5. Date of dispatch of this notice**

11.3.2016