

**Switzerland-Geneva: Research and development services and related consultancy services**

OJ S 137/2016 19/07/2016

Contract notice

Services

Directive 2004/18/EC

**Section I: Contracting authority**

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**I.1. Name and addresses**

Official name: European Organization for Nuclear Research (CERN)

Postal address: Genève 23

Town: Geneva

Postal code: 1211

Country: Switzerland

Contact person: CERN

For the attention of: Christophe Veys

E-mail: [HNSciCloud-Tender@cern.ch](mailto:HNSciCloud-Tender@cern.ch)**Internet address(es):**General address of the contracting authority: <http://www.cern.ch>Electronic access to information: <http://www.hnscicloud.eu/>**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**

Body governed by public law

**I.3. Main activity**

Other: European Organization for Nuclear Research (CERN)

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

The contracting authority is purchasing on behalf of other contracting authorities: yes

Official name: SURFsara

Postal address: PO Box 94613

Town: Amsterdam

Postal code: 1090 GP

Country: Netherlands

Official name: Institut de Fisica d'Altes Energies

Postal address: Campus UAB, Edifici Cn. Bellaterra, Cerdanyola Del Valles

Town: Barcelona

Postal code: 08193

Country: Spain

Official name: Science and Technology Facilities Council (STFC)

Postal address: Polaris House, North Star Avenue

Town: Swindon

Postal code: SN2 1SZ

Country: United Kingdom

Official name: Deutsches Elektronen-Synchrotron (DESY)

Postal address: Notkestraße 85

Town: Hamburg

Postal code: 22607

Country: Germany

Official name: Centre national de la recherche scientifique (CNRS)

Postal address: 3 rue Michel-Ange

Town: Paris Cedex 16

Postal code: 75794

Country: France

Official name: European Molecular Biology Laboratory (EMBL)

Postal address: Meyerhofstraße 1

Town: Heidelberg

Postal code: 69117

Country: Germany

Official name: Istituto Nazionale di Fisica Nucleare (INFN)

Postal address: Via Enrico Fermi 40, Frascati

Town: Rome

Postal code: 00044

Country: Italy

Official name: The European Synchrotron (ESRF)

Postal address: 71 avenue des Martyrs

Town: Grenoble

Postal code: 38000

Country: France

Official name: Karlsruher Institut für Technologie (KIT)

Postal address: P.O.Box 3640

Town: Karlsruhe

Postal code: 76021

Country: Germany

## 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

The Helix Nebula Science Cloud (HNSciCloud — Pre-commercial Procurement).

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

Services

Service category No 8: Research and development services

NUTS code

#### 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 several operators

Number Envisaged maximum number of participants to the framework agreement: 4

#### Duration of the framework agreement

Duration in months: 25

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

Estimated value excluding VAT: 5 300 000 EUR

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

Under this PCP, R&D services will be procured from companies to develop solutions for the set-up of the HNSciCloud Hybrid Cloud Platform, taking into account the performance, security and management aspects of a hybrid cloud infrastructure, including technical standards, interoperability, portability, as well as building trust and confidence in cloud computing services. The innovative IaaS-level services will need to be integrated with a range of resources operated by public organisations and publicly funded e-infrastructures to form a hybrid cloud solution. The overall challenge of building the Hybrid Cloud Platform is based on 3 sub-challenges, taking into account all use cases (see Tender Document 2: Functional Specification).

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

73000000 Research and development services and related consultancy services, 73300000 Design and execution of research and development, 72000000 IT services: consulting, software development, Internet and support, 72212211 Platform interconnectivity software development services, 72310000 Data-processing services, 72322000 Data management services

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

The procurement is covered by the Government Procurement Agreement: no

### **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**

This Pre-commercial procurement for the development of a hybrid cloud platform will be deployed in 3 phases:

- Phase 1: Solution design of the Hybrid Cloud Platform with a budget of 520 000;
- Phase 2: Prototype implementation of the Hybrid Cloud Platform with a budget of 1 325 000;
- Phase 3: Pilot deployment of the Hybrid Cloud Platform with a budget of 3 455 000.

Estimated value excluding VAT: 5 300 000 EUR

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

Options: no

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

This contract is subject to renewal: no

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

Start 7.10.2016. Completion 28.10.2018

## **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**

See Request for Tenders Section 1.5, table 4.  
See Framework Agreement section 10.

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

No particular legal form required.

**III.1.4. Contract performance conditions**

The performance of the contract is subject to particular conditions: yes  
Description of particular conditions: The PCP is carried out under the explicit exemption for R&D services set out in art.16(f) of Directive 2004/18/EC of the European Parliament and of the Council and art.14 of Directive 2014/24/EU of the European Parliament and of the Council.  
Tenderers are asked to observe that the main object of the tender has to cover R&D services and not products or supplies, or commercial development activities.

**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: See Request for Tenders section 3.3 selection criteria.

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

List and brief description of conditions: See Request for Tenders section 3.3 selection criteria.  
Minimum level(s) of standards possibly required: See Request for Tenders section 3.3 selection criteria.

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

List and brief description of conditions:  
See Request for Tenders section 3.3 selection criteria.  
Minimum level(s) of standards possibly required:  
See Request for Tenders section 3.3 selection criteria.

**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**

Open

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

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

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

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

The most economically advantageous tender in terms of Price is not the only award criterion and all criteria are stated only in the procurement documents

##### **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**

IT-4190/IT

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

###### **Prior information notice**

Notice number in the OJ S: [2016/S 013-019573](#) of 20.1.2016

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

Time limit for receipt of requests for documents or for accessing documents: 19.9.2016 - 12:00

Payable documents: no

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

19.9.2016 - 12:00

##### **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**

English.

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

Duration in days: 180 (from the date stated for receipt of tender)

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

Date: 22.9.2016

Persons authorised to be present at the opening of tenders: no

#### **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: yes

Identification of the project: Funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 687614.

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

An information session will be organised at CERN on the 7.9.2016 (additional information on

the website). Questions or requests for clarification concerning the Tender Documents must be asked in English before the 2.9.2016. All questions received will be dealt with and answered during the information session. After the information session, no additional questions will be answered for Phase 1.

**VI.4. Procedures for review**

**VI.4.1. Review body**

Official name: The Arbitration Tribunal of Geneva

Country: Switzerland

**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**

13.7.2016