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

Geneva Switzerland — European Organization for Nuclear Research (CERN)

Published July 19, 2016 — **Deadline September 19, 2016 (7 months ago)**

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**NOTICE TYPE**

Contract notice

**VALUE**

€5.30M

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).

Full tender details available only for Oppex users. Sign in

## FACT SHEET

Directive 2004/18/EC

### SECTION I CONTRACTING AUTHORITY

**name, address and contact point(s)**

European Organization for Nuclear Research (CERN)

Geneva 23

Contact point(s): CERN

For the attention of: Christophe Veyss

1211 Geneva

Switzerland

E-mail: [HNSciCloud-Tender@cern.ch](mailto:HNSciCloud-Tender@cern.ch) (<mailto:HNSciCloud-Tender@cern.ch>)  
subject=TED)

Internet address(es)

General address of the contracting authority: <http://www.cern.ch>

(<http://www.cern.ch>)

Electronic access to information: <http://www.hnscicloud.eu/>

(<http://www.hnscicloud.eu/>)

Further information can be obtained from: The above mentioned contact point(s)

Specifications and additional documents (including documents for competitive dialogue and a dynamic purchasing system) can be obtained from: The above mentioned contact point(s)

Tenders or requests to participate must be sent to: The above mentioned contact point(s)

**type of the contracting authority**

Body governed by public law

**other names**

Other: European Organization for Nuclear Research (CERN)

**contract award on behalf of other contracting authorities**

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

Subpara

PO Box 9403

1090 GP Amsterdam

Netherlands  
Institut de Física d'Altes Energies  
Campus UAB, Edifici Cn. Bellaterra, Cardenerola Del Valles  
08193 Barcelona

Spain  
Science and Technology Facilities Council (STFC)  
Polaris House, North Star Avenue  
PH2 1SZ Swindon

United Kingdom  
Deutsches Elektronen-Synchrotron (DESY)  
Notkestraße 85  
22607 Hamburg

Germany  
Centre national de la recherche scientifique (CNRS)  
3 rue Michel-Ange  
75794 Paris Cedex 16

France  
European Molecular Biology Laboratory (EMBL)  
Meyerhofstraße 1  
69117 Heidelberg

Germany  
Istituto Nazionale di Fisica Nucleare (INFN)  
via Enrico Fermi 40, Frascati  
00044 Rome

Italy  
The European Synchrotron (ESRF)  
71 avenue des Martyrs  
38000 Grenoble

France  
Karlsruher Institut für Technologie (KIT)  
PO Box 3440  
76021 Karlsruhe

Germany

**SECTION II: OBJECT OF THE CONTRACT**

**ANNEXES**

THIS ANNEXES TO THE CONTRACT OR THE CONTRACTUAL AGREEMENT:  
The Helix Nebula Science Cloud (HNSciCloud — Pre-commercial Procurement)

**TYPE OF CONTRACT AND LOCATION OF WORKS, PLACE OF DELIVERY OR OF PERFORMANCE**

Services

Service category No 8: Research and development services

NC/T3 code

**REFERENCE ABOUT A PUBLIC CONTRACT, A REFERENCED DOCUMENT OR A OTHER REFERENCED SOURCE (s)**

The notice involves the establishment of a framework agreement

**REFERENCE OR REFERENCES NUMBER**

Framework agreement with several operators

Number of participants to the framework agreement envisaged: 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

**OVER DESCRIPTION OF THE CONTRACT OR SERVICES(S)**

Under this PCF, 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 tool-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 Specifications).

**COMMON REFERENCED NUMBERS (s)**

T2000000, T2000000, T2000000, T2212211, T2310000, T2322000

**REFERENCE ABOUT GOVERNMENT PROCUREMENT AGREEMENT (s)**

The contract is covered by the Government Procurement Agreement (GPA): no

**LOTS**

This contract is divided into lots: no

**REFERENCE ABOUT VARIANTS**

Variants will be accepted: no

**QUANTITY OR SCOPE OF THE CONTRACT**

**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

**contractual award options**

Options: no

**contractual award extension**

This contract is subject to renewal: no

**duration of the contract or time limit for completion**

Starting: 7/10/2016. Completion: 28/10/2016

**SECTION III: LEGAL, ECONOMIC, FINANCIAL AND TECHNICAL INFORMATION****conditions related to the contract****reports and submissions required****other technical conditions and relevant administrative and/or technical information to the bidder****relevant documents: name**

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

**what rules will be used in the event of economic sanctions to which the contract is to be awarded**

No particular legal form required.

**other technical 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(7) 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.

**CONDITIONS FOR PARTICIPATION**

**TECHNICAL SPECIFICATIONS OR ECONOMIC CONDITIONS, INCLUDING REQUIREMENTS RELATED TO EVALUATION OR PERFORMANCE, OR THESE SPECIFICATIONS**

Information and formalities necessary for evaluating if the requirements are met: See Request for Tenders section 3.3 selection criteria

**ECONOMIC AND FINANCIAL ASPECTS**

Information and formalities necessary for evaluating if the requirements are met: 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

**TECHNICAL CAPACITY**

Information and formalities necessary for evaluating if the requirements are met: 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

**REGISTRATION ABOUT AWARDED CONTRACTS**

**CONDITIONS RELATED TO AWARDED CONTRACTS**

**REGISTRATION ABOUT A PARTICULAR PROFESSION**

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

**OVER RESPONSIBILITY FOR THE EXECUTION OF THE SERVICE**

Legal persons should indicate the names and professional qualifications of the staff responsible for the execution of the service: yes

**SECTION IV: PROCEDURE**

**TYPE OF PROCEDURE**

**TYPE OF PROCEDURE**

Open

RESTRICTIONS ON THE NUMBER OF OPERATORS WHO WILL BE INVITED TO TENDER OR TO PARTICIPATE

REDUCTION OF THE NUMBER OF OPERATORS DURING THE NEGOTIATION OR AVALANCE

AWARD CRITERIA

AWARD CRITERIA

The most economically advantageous tender in terms of the criteria stated in the specifications, in the invitation to tender or to negotiate or in the descriptive document

PROCEDURE ABOUT ELECTRONIC AUCTION

An electronic auction will be used: no

ADMINISTRATIVE INFORMATION

THE ECONOMIC NUMBER ATTRIBUTED BY THE CONTRACTING AUTHORITY

07-4792-17

REVISION PUBLICMENTS() CONCERNING THE WORK CONTRACT

Prior information notice

Notice number in the OJEU: 2016/S 013-019573 (<http://ted.europa.eu/ted/notice/019573-2016-TEXT/EN.html>) of 20/1/2016

UN-170 NOTICE 019573-2016 TEXT (EN.html) of 20/1/2016

CONDITIONS FOR RECEIVING 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

THE LAST THE RECEIPT OF TENDERS OR REQUESTS TO PARTICIPATE

19/9/2016 - 12:00

DATE OF RECEIPT OF DOCUMENTS TO TENDER OR TO PARTICIPATE TO SELECTED CANDIDATES

LANGUAGE() IN WHICH TENDERS OR REQUESTS TO PARTICIPATE MAY BE DRAWN UP

English

PERIOD OF TIME FROM WHICH THE TENDERS MUST ARRIVE THE TENDER

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

**COMMENTS FOR OPENERS OF TENDERS**

Date: 22.9.2016

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

**SECTION VI: COMPLEMENTARY INFORMATION****RECURRENT ACQUISITION**

This is a recurrent procurement: no

**RECURRENT ACQUISITION SUBSIDIZED UNDER FUNDS**

The contract is related to a project and/or programme financed by European Union funds: yes

Reference to project(s) and/or programme(s): Funded by the European Union's Horizon 2020 Research and Innovation Programme under grant agreement No 647614

**ADDITIONAL INFORMATION**

An information session will be organized at CERH on the 19.10.2016 (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.

**RESOLUTION FOR APPEAL****BODY RESPONSIBLE FOR APPEAL RESOLUTION**The Arbitration Tribunal of Geneva  
Switzerland**ADDRESS OF APPELLANT****ADDRESS FROM WHICH INFORMATION ABOUT THE ADDRESS OF APPELLANT MAY BE OBTAINED****DATE OF ISSUANCE OF THIS NOTICE**

13.7.2016





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