

Italy-Ispra: Framework service contract for Copernicus emergency management service rapid mapping

OJ S 135/2014 17/07/2014

Contract notice

Services

Directive 2004/18/EC

Section I: Contracting authority

I.1. Name and addresses

Official name: European Commission, DG Joint Research Centre JRC, Institute for the Protection and Security of the Citizen

Postal address: via Enrico Fermi 2749, TP 581

Town: Ispra VA

Postal code: 21027

Country: Italy

Contact person: Mr Aivaras Bagdonas

For the attention of: B.5 Finance and Procurement Unit

E-mail: jrc-ipsc-procurement@ec.europa.eu

Fax: +39 0332789434

Internet address(es):

General address of the contracting authority: <http://web.jrc.ec.europa.eu>

Electronic access to information: <http://web.jrc.ec.europa.eu/callsfortender>

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

European institution/agency or international organisation

I.3. Main activity

General public services

Other: 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

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

Framework service contract for Copernicus emergency management service rapid mapping.

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

Services

Service category No 11: Management consulting services [6] and related services

Main site or place of performance: The services will be executed on the premises of the contractor.

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 a single operator

Duration of the framework agreement

Duration in months: 48

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

The Copernicus emergency management service, in continuation of the GMES initial operations phase, is intended as an operational service offered to the authorised users active in the field of crisis management in the EU Member States, the European civil protection mechanism, the Commission's Directorates-General (DGs) and the participating executive agencies and international humanitarian aid.

The core character of the EMS lies in the provision upon activation by the authorised user of timely and accurate information derived from satellite or airborne imaging sensor data in all phases of the emergency management cycle. The information generated by the service can be used as supplied by the contractor (e.g. as digital or printed map outputs) or further combined with other data sources (e.g. as digital feature sets in a geographic information system (GIS)) to support analysis and decision-making processes of emergency managers.

The implementation of the Copernicus EMS has 4 different modules:

1. The EMS rapid mapping:

on-demand and fast provision of geospatial information in support to emergency management activities immediately following an emergency event.

2. The EMS risk and recovery mapping:

on-demand provision of geospatial information in support to emergency management activities during the phases of the emergency management cycle not related to the immediate response, i.e. not requiring rush mode delivery. In particular, information provision relates to the prevention, preparedness and reconstruction phases.

3. The EMS validation:

verification of a sample of service outputs produced by Copernicus emergency management service rapid mapping or Copernicus emergency management service risk and recovery mapping services, and includes external quality control, validation of thematic information content and comparison to alternative information sources related to the emergency context.

4. The EMS early warning:

its first building block is the European flood awareness system (EFAS) delivering added value information to the national hydrological services and provides a unique overview on the current and forecast flood situation.

The contract refers to the Copernicus emergency management service rapid mapping.

II.1.6. CPV code(s)

71354100 Digital mapping services, 22114300 Maps, 32534000 Satellite platforms, 34712200 Satellites, 35631200 Observation satellites, 71354000 Map-making services, 71354200 Aerial mapping services, 72310000 Data-processing services, 72316000 Data analysis services, 72319000 Data supply 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: 12 800 000 EUR (including 30 % added for contingencies).

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

Duration in months: 48 (from the award of the contract)

Section III: Legal, economic, financial and technical information

III.1. Conditions related to the contract

III.1.1. Deposits and guarantees required

Please refer to tender documents.

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

Please refer to tender documents.

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

Tenders can be submitted by consortia of 2 or more economic operators ('joint tender'). Each legal entity will be required to become a party to the contract in the case of award, and shall assume joint and several liability towards the contracting authority for the fulfilment of the terms and conditions of the contract.

The consortium shall nominate 1 legal entity ('the leader') who will have full authority to bind the consortium and each of its members when presenting an offer and signing the contract (proof must be submitted with the offer), and will be responsible for the administrative management of the contract (invoicing, receiving payments, etc.) on behalf of all other entities. It is mandatory that joint offers or offers from groupings include a letter of intent from each member of the grouping including subcontractors confirming their participation as described in the submitted bid in the case of award of the contract.

Subcontracting is allowed but the contractor shall retain full liability towards the contracting authority for implementation of the contract.

An economic operator may, where appropriate and for a particular contract, rely on the capacities of other entities, regardless of the legal nature of the links which it has with them. It must in that case prove to the contracting authority that it will have at its disposal the resources necessary for performance of the contract, for example by producing an undertaking on the part of those entities to place those resources at its disposal.

III.1.4. Contract performance conditions

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

Description of particular conditions: Exclusion of conflicts of interest:

In order to avoid conflicts of interest the current contractor providing the GMES initial operations: emergency mapping validation service — validation (under framework service contract 257870), cannot be considered for award of the calls for tender 'Copernicus emergency management service rapid mapping' and 'Copernicus emergency management risk and recovery mapping' for as long as they remain contracted. Since these activities are considered incompatible with the object of the current call for tender, this restriction shall remain in place for any recurrent call for tender concerning these 2 activities (and their respective contractors) unless it is explicitly renounced.

This restriction extends to companies that are part of the same industrial and/or commercial group or organisation. For the sake of clarity 2 companies are considered to be part of the same industrial and/or commercial group or organisation if 1 of the 2 controls the other, e.g. owns more than 50 % of the shares of the other, or if more than 50 % of their shares belong to a common direct or indirect shareholder.

Replacement of staff:

it is expected that the persons responsible for the execution of the contracts will remain so for a reasonable period. A situation where turnover of these persons could jeopardise the timely and due execution of the contracts should be avoided. In any case the replacement of a person during contract execution shall only be made with the prior approval of the Commission. The proposed person in case of replacement will have to satisfy the same minimum requirements as those mentioned in the contract notice point III.2.3.

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: Tenderers will not be eligible to take part in this contract award procedure if they are in any of the exclusion situations listed in Articles 106 and 107 of Council Regulation (EU, Euratom) No 966/2012 of 25.10.2012 (OJ L 298 of 26.10.2012).

Should a contract be awarded, the contractor will need to produce the supporting documents required in Article 143(2) in conjunction with Article 143(3) of the Regulation (EU) No 1268 /2012.

In the case of groupings of contractors, the information required must be supplied by all members of the grouping including subcontractors with an estimated individual budget share of more than 20 %.

III.2.2. Economic and financial ability

List and brief description of conditions: (a) A statement of overall turnover and turnover concerning the services covered by the contract for the last 3 financial years.

(b) Balance sheets, or summaries thereof, and profit and loss accounts for the past 3 financial years (where these exist) for which accounts have been closed, where publication of balance sheets is prescribed under company law in the country in which the economic operator is resident.

If, for a valid reason, the tenderer is unable to provide them, he/she must enclose a statement as to annual pre-tax profits for the past 2 financial years.

If, for some exceptional reason which the contracting authority considers to be justified, the economic operator is unable to produce the references required under (a) and (b) above, he /she is permitted to provide evidence of his economic and financial capacity by any other means which the contracting authority deems suitable.

For groupings of economic operators, all documents and information requested in points III.2.2 (a) and III.2.2(b) shall be provided for each member of the grouping and for III.2.2(a) as a total for the grouping as a whole, including subcontractors to whom more than 20 % of the total estimated value of the contract will be subcontracted.

Minimum level(s) of standards possibly required: For III.2.2(a) annual turnover for the last financial year (or an average of the turnover over the last 3 financial years) related to the subject of this procurement must be equal to or greater than 3 200 000 EUR.

The minimum requirements in criteria III.2.2(a) apply to the grouping as a whole including subcontractors to whom more than 20 % of the total estimated value of the contract will be subcontracted.

III.2.3. Technical and professional ability

List and brief description of conditions:

(a) A description of the professional qualifications (<https://europass.cedefop.europa.eu/en/home> or equivalent — relevant studies, education and experience, knowledge and skills) of the members of the team the service provider will allocate to the contract. The qualifications shall demonstrate the capabilities of the assigned team in the area of the contract. In order to harmonise the evaluation of staff qualifications in the tendering procedure, tenderers are requested to group CVs in predefined profiles. Each proposed CV can appear only under 1 profile.

1. Project manager:

- good knowledge of project management standards and methodologies,
- proven knowledge of geo-information use in emergency management contexts, or equivalent,
- in-depth proven knowledge of relevant remote sensing and GIS technology,
- working knowledge of English language.

2. On-duty operator:

- good knowledge of geo-information use in emergency management contexts, or equivalent,
- good knowledge of relevant remote sensing and GIS technology,
- working knowledge of the English language.

3. Specialist in processing of satellite and aerial sensor data:

- in-depth knowledge of principles of satellite remote sensing,
- in-depth knowledge of relevant sensors used in satellite remote sensing for the emergency management service,
- in-depth knowledge of remote sensing data processing tools and software, including SAR processing,
- in-depth knowledge of relevant scripting and programming language for batch processing of remote sensing data,
- in-depth knowledge of quality issues and accuracies required for post-processing of remote sensing data,
- ability to work across operating systems,
- ability to work with GIS tools,
- working knowledge of the English language.

4. Specialist in thematic image processing and interpretation:

- in-depth knowledge of remote sensing and GIS used for thematic image interpretation,
- in-depth knowledge of relevant sensors used in satellite remote sensing, including SAR, for the emergency management service, or equivalent,
- in-depth knowledge and practical experience with both visual and automatic image interpretation techniques,
- ability to program or script in relevant languages to customise and automatise existing

image classification algorithm and map production,

— working knowledge of the English language.

5. Specialist in digital cartography and GIS:

— in-depth knowledge of remote sensing and GIS software for digital and hard copy map production,

— ability to script or program in a relevant programming language to customise and automatise the map production chain,

— in-depth knowledge of cartographic and map production standards,

— working knowledge of the English language.

6. Domain expert in emergency and security:

— in depth knowledge of all phases of the emergency management (preparedness, response, recovery and mitigation),

— good knowledge of effects of natural, man-made disasters and conflicts on various types of assets (urban, agriculture, forestry),

— good knowledge of the technical capabilities of remote sensing sensors for use in emergency management and security,

— good knowledge of GIS software use in damage assessment, modelling of impact, exposure, etc.,

— very good analytical skills to assess added value of EMS rapid mapping service for emergency management actors,

— working knowledge of the English language.

7. Specialist in IT support:

— in-depth knowledge of operating systems (Windows, Linux, Unix, Mac),

— in-depth knowledge of software and hardware requirements necessary for running remote sensing and GIS software,

— in-depth knowledge of networks and internet services,

— in-depth knowledge of data back-up solutions,

— in-depth knowledge of programming languages used mainly for software customisation and hardware optimisation including CPU parallelisation,

— good knowledge of relational database systems,

— working knowledge of the English language.

(b) A list of the relevant services delivered in the past 3 years, with a brief description, sums, dates and recipients, public or private, showing experience in the subject of the tender, in particular in the provision of geospatial feature layers suitable for post-processing in geographic information systems (GISs) as well as the provision of maps in standard digital formats and suitable for hard copy printing.

(c) A description of the technical equipment (hardware and software) employed by the service provider for performing the services.

(d) A detailed description of the Internet connection performance parameters relevant for high data volume download (e.g. for satellite imaging sensor data from ESA, CDS and CCM sites) and upload of the deliverables to the JRC SFTP.

(e) An indication, including an explanation, of the proportion and the type of work of the contract which the service provider may intend to subcontract.

Minimum level(s) of standards possibly required:

For III.2.3(a) each profile corresponds to a minimum level of qualification made up of:

— the total number of relevant years after the completion of a secondary school (e.g. total number of successful years of relevant studies and years of relevant experience),

— the number of years of total professional experience (outside these studies),

— the number of years of professional experience specific to the profile (outside these studies).

PhD studies are considered as professional experience.

The minimum level of qualifications has to be fulfilled by each person proposed and related CV for a given profile.

1. Project manager:

minimum of 12 years of relevant studies and experience after secondary school,
minimum of 7 years of professional experience in the field of satellite remote sensing, data processing, GIS and digital cartography,
minimum of 2 years in the management of projects related to rapid supply of digital map products derived from satellite remote sensing and GIS,
minimum European level of English language skills: listening, reading, speaking and writing — C2 or equivalent,
at least 2 CVs have to be presented.

2. On-duty operator:

minimum of 8 years of relevant studies and experience after secondary school,
minimum of 3 years of professional experience in the field of satellite remote sensing and GIS,
minimum of 2 years of experience in communication with customers, service support, technical helpdesk or equivalent,
minimum European level of English language skills: listening, reading, speaking and writing — C2 or equivalent,
at least 4 CVs have to be presented.

3. Specialist in processing of satellite and aerial sensor data:

minimum of 8 years of relevant studies and experience after secondary school,
minimum of 3 years of professional experience in the field of remote sensing data processing,
minimum of 2 years of professional experience in projects requiring fast processing of satellite remote sensing for digital map production,
minimum European level of English language skills: listening, reading, writing — C2, speaking — C1 or equivalent,
at least 3 CVs have to be presented.

4. Specialist in thematic image processing and interpretation:

minimum of 10 years of relevant studies and experience after secondary school,
minimum of 5 years of professional experience in the field of digital map production and GIS,
minimum of 3 years of professional experience in projects related to thematic processing of satellite remote sensing for digital map production,
minimum European level of English language skills: listening, reading, writing — C2, speaking — C1 or equivalent,
at least 5 CVs have to be presented.

5. Specialist in digital cartography and GIS:

minimum of 8 years of relevant studies and experience after secondary school,
minimum of 3 years of professional experience in the field of digital map production and GIS,
minimum of 2 years of professional experience in projects related to digital map production using satellite remote sensing and GIS,
minimum European level of English language skills: listening, reading, writing — C2, speaking — C1 or equivalent,
at least 3 CVs have to be presented.

6. Domain expert in emergency and security:

minimum 10 years of relevant studies and experience after the secondary school,
minimum 5 years of professional experience working in the domain of natural and man-made disaster management and geo-intelligence gathering in security domain,
minimum 3 years of professional experience in the use of remote sensing and GIS in emergency mapping contexts or equivalent,
minimum European level of English language skills: listening, reading, speaking and writing —

C2 or equivalent,
at least 1 CV has to be presented.

7. Specialist in IT support:

minimum of 8 years of relevant studies and experience after secondary school,
minimum of 3 years of professional experience with handling of software and hardware for remote sensing GIS,
minimum of 2 years of professional experience with handling, network transfer and back-up of large volume datasets,
minimum European level of English language skills: listening, reading, writing — C2, speaking — C1 or equivalent,
at least 2 CVs have to be presented.

For III.2.3(d) guaranteed transfer speed of at least 100 Mbps in upload and download.

The minimum requirements in criteria III.2.3(a), III.2.3(d) apply to the grouping as a whole including subcontractors to whom more than 20 % of the total estimated value of the contract will be subcontracted.

III.2.4. Information about reserved contracts

III.3. Conditions specific to services contracts

III.3.1. Information about a particular profession

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

Section IV: Procedure

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

IV.3. Administrative information

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

JRC/IPR/2014/G.2/0013/OC.

IV.3.2. Previous publication concerning this procedure

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: 1.9.2014
Payable documents: no

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

1.9.2014

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

Any EU official language

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

Duration in months: 6 (from the date stated for receipt of tender)

IV.3.8. Conditions for opening of tenders

Date: 5.9.2014 - 14:00

Place:

Entrance Building, room 7, via E. Fermi 2749, 21027 Ispra VA, ITALY.

Persons authorised to be present at the opening of tenders: yes

Information about authorised persons and opening procedure: Max. 1 authorised representative per tenderer can attend the opening. The request must be sent to the contact point before 4.9.2014, together with a copy of the identity card/passport.

Section VI: Complementary information

VI.1. Information about recurrence

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

Documents and communications related to this procedure are available free of charge at the following website: <http://www.jrc.ec.europa.eu/callsfortender>

Any additional information and reply to request for clarifications will be published on this website. It is therefore the responsibility of the applicants to check this website on a regular basis.

Based on Article 134(1)(f) of Regulation (EC, Euratom) No 1268/2012 the Commission may enter into negotiated procedures with the winning tenderer of the present call for tender for services similar to those of the present notice.

VI.4. Procedures for review

VI.4.1. Review body

Official name: General Court

Postal address: rue du Fort Niedergrünewald

Town: Luxembourg

Postal code: 2925

Country: Luxembourg

E-mail: generalcourt.registry@curia.europa.eu

Telephone: +352 4303-1

Fax: +352 4303-2100

Internet address: <http://curia.europa.eu>

VI.4.2. Review procedure

Precise information on deadline(s) for review procedures: Within 2 months of the notification to the plaintiff, or, in absence thereof, of the day on which it came to the knowledge of the plaintiff. A complaint to the European Ombudsman does not have as an effect either to suspend this period or to open a new period for lodging appeals.

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

Official name: General Court

Postal address: rue du Fort Niedergrünwald

Town: Luxembourg

Postal code: 2925

Country: Luxembourg

E-mail: generalcourt.registry@curia.europa.eu

Telephone: +352 4303-1

Fax: +352 4303-2100

Internet address: <http://curia.europa.eu>

VI.5. Date of dispatch of this notice

3.7.2014