

Call for the selection for provision of research contract

Call nr 1/2019/BO

The Director

Having regard to the Legislative Decree 29/9/1999, n. 381;

Having regard to the Legislative Decree 31/12/2009, n. 213 on the “Riordino degli enti di ricerca in attuazione dell’art. 1 della legge 27 settembre 2007 n. 165”;

Having regard to D.P.R. 28/12/2000 n. 445 and following integrations and modifications “T.U. delle disposizioni legislative e regolamenti in materia di documentazione amministrativa”;

Having regard to Legislative Decree 30/06/2003, n. 196, on the “Codice in materia di protezione dei dati personali”;

Having regard to Minister Decree n. 102 del 09/03/2011, on the definition of the minimum salary for Research Grants;

Having regard to the directive of the Public Administration and Simplification Ministry n. 14/2011 for the application of the new rules on the equivalent certificates and declarations of art. 15 of the law 12/11/2011, n. 183;

Having regard to the INGV Rules for the provision of Research Grants issued with Resolution n. 17/2012 of 04/04/2012;

Given the request for the activation of a selection for the provision of research grant in the frame of “Newton - *NEw Windown inTO Earth's iNterior*” project by Andrea Morelli, approved by Ufficio Affari Amministrativi e del Personale dated 05/10/2018 prot. n. 0002094;

Given the funding available for such Project

DECREES

A public competition based on qualifications and interview for the provision of n.1 research grant (“*grant*” typology), duration of 36 months, to be carried out at the Istituto Nazionale di Geofisica e Vulcanologia – Sezione di Bologna under the supervision of Dr. Andrea Morelli.

Art. 1

Subject of the research

The research to be carried out is: “**Forward and inverse modelling of the full seismic wave field, coupling seismological and geodynamical modelling, near convergent margins**”.

The requested activities will be the followings:

- 1) numerical simulation of seismic wave propagation in 3D anisotropic media with realistic structure and elastic properties, provided by geodynamical simulations, around subduction zones
- 2) inversion of seismic observations to fully couple seismological and geodynamical modelling and better determine structure and dynamics of the upper mantle near convergent margins

The research activity will be carried on at the INGV offices in Bologna.

Art. 2

Start, duration and salary

The total annual gross salary is Euro 33.450 euro (thirty three thousand four hundred fifty). Allowance apply, in tax matters, the provision of the art. 4 of the Law 13/08/1984 n. 476 and successive modifications and integrations; in social security matters, the provision of art. 2 par. 26 and followings, of Law 8/08/1995 n. 335 and successive modifications; in maternity leave, the provisions of the Decree of Ministry of Labour and Social security 12/07/2007; in occupational disease matters, art. 1 par. 788 of the Law 27/12/2006 n. 296 and successive modifications. The contract has a duration of 36 months, subject to annual verification of the activity carried out.

Art. 3

Requirements for eligibility

Applicants for the position must meet the following criteria, or will be excluded from the selection process:

- a) hold a PhD degree **in Earth sciences, geophysics or physics, equivalent to the Italian title;**
- b) an advanced degree (M.Sc. or equivalent) **in Earth sciences, geophysics or physics, equivalent to the Italian title**
- c) have documented experience in seismic data processing and simulation of full seismic waveforms to be assessed during the interview;
- d) have good knowledge of English to be assessed during the interview;

Omission of only one of the above requirements implies exclusion from the selection. Candidates must hold their qualifications by the selection announcement deadline. Qualifications obtained abroad that are not previously and officially recognised in Italy will be considered by the Selection Board only for the aims of this selection. The INGV guarantees equal gender opportunities for the provision of grants, as well as the protection of confidentiality of personal data according to the current laws

Art. 4

Incompatibilities

The following qualifications involve exclusion from the selection procedures:

- have a permanent position at a public University, Institute or Research Centre; or permanent position at ENEA or at the Italian Space Agency; or a permanent position at one of the other institution referred at art. 22, par1, of the Law n. 240/2010; or permanent position at an institution providing diplomas that are regarded as being equivalent to a doctoral degree according to art. 74, par 4, of the D.P.R. n. 382 of 11/07/1980;
- be a research grant holder employed by a public administration different from those listed at the previous point or employed by a private company, in case such research grant is not interrupted or suspended through unpaid leave for the entire duration of the present contract;
- be an employee at INGV, either with or without permanent position;
- be enrolled in degree programs, Ph.D courses providing a grant; University masters, either in Italy or abroad;
- The present research grant cannot be combined with others grants provided by INGV or by other research institutes.

Art. 5

Application for Admission

The application form (Attachment A) should be signed by the applicant (unsigned application will be excluded from the selection) and sent to INGV Sezione di Bologna no later than **15th days** past the day of the publication of this call on the official website of INGV (www.ingv.it) and on the MIUR "Albo Ufficiale":

- 1) as a signed pdf file to the email address aoo.bologna@pec.ingv.it, using a PEC certified email account. The email must report the following subject: "**Selection for Research Grant n. 1/2019/BO**". Day and time of receipt of INGV PEC email will be used to certify the correct arrival date with respect to the deadline;
- 2) only extra UE resident citizens or resident in Italy but not allowed to use PEC certified email accounts, may send the application using a no-certified email address to aoo.bologna@pec.ingv.it.

The application form must (a penalty of exclusion) also contain the email address to which the candidate asks to receive all the documents and information related to the selection.

The INGV administration does not assume any liability for failure or delay in notifying change of address in the application, nor for any communication delays attributable to third parties, unforeseeable circumstances or force majeure. Changes in the communicated email address should be immediately notified to the INGV's Bologna Administration exclusively by email at following address: sonia.vivanelli@ingv.it.

Disable candidates should indicate the requested support in the application for admission.

In the application, the applicants must declare, under their own responsibility, and subject to exclusion from the selection in case of failure:

- 1) full name, date and place of birth, residence and citizenship;
- 2) Italian tax payer's code (for Italian citizens or foreigners provided)
- 3) educational qualifications, including evaluation, date and University at which they were obtained;
- 4) to have no criminal convictions and no pending criminal proceedings. Otherwise, indicate the ongoing proceedings and the sentences passed, the dates of judgments and judicial authority which issued;
- 5) to possess the requirements at point 3) of this document, from letter a) to d)
- 6) to possess political rights (only for citizens of the European Union)
- 7) not to be employed by a public institution or private company, and in any case, not to receive a grant in Italy or abroad; in the case a grant is instead received, to engage to produce documentation attesting to the suspension of the grant before the date of start of the research contract and for its entire duration.

The following documents must be attached to the applicant form:

- 1) *curriculum vitae et studiorum*, signed and dated in every page;
- 2) list of titles attached if any;
- 3) a clear, legible photocopy of the passport or other identity card which contains a photograph and which is recognised by the European Commission. This copy is essential for identity verification during the interview;
- 4) email address where the candidate can be contacted
- 5) Only for EU member citizens must fill the statement made under Art.s 46 and 47 of the D.P.R 28/12/2000 N. 445 (Attachment B).

Art. 6

Titles for evaluation

The Selection Board will evaluate the *Curriculum vitae et studiorum*, in Italian or English, that should specify any facts and qualities including level of knowledge of English. The CV must include the followings:

- Studies undertaken and qualifications obtained with the relative dates and evaluations;
- The duties, functions performed, the position held and their duration;
- Any other technical, scientific, didactic or professional activity and experience;
- List of scientific publications, technical reports, monographs, books, book chapters, patents, etc;
- Any other supporting documents that the applicant considers may be relevant for evaluation.

EU Member State citizens must declare that the information posted in their CV is true and accurate, by compiling the form in attachment B.

The titles declared in CV should be documented according to the following:

- Publication, technical reports, monographs, books, book chapter, patents, etc, should not be attached to the application form if they are available in the web or they are identified through a d.o.i. number; in such cases the exact web address or the d.o.i number should be provided. Publications, technical reports, monographs, books, book chapters, patents, etc including degrees thesis that are sufficiently described in the CV will be evaluated based on that description, even if prepared in language different from Italian or English, without need to be attached;
- For any other document:

for European citizens: documents and titles provided by public administration of a Member state of the European Union should not be attached, rather, they should be listed in declaration form provided as Attachment B. Copies of documents and titles provided by public administration of a non-Member state, as well as of document and titles provided by private companies, should be attached. Attached title must be listed in the declaration form provided as Attachment B. documents and title provided in a languages different from Italian or English should be supported by a translation I English;

for non-European citizens regularly residing in Italy: documents and titles provided by Italian public administration may no be attached, but listed in the declaration form provided as Attachment B. Copies of documents and titles provided by public administration of a non-Member State, as well as of documents and title provided by private companies, should be attached. Document and titles provided in a languages different from Italian or English should be supported by a translation in English;

for all other non- European citizens: copies of documents and titles should be attached (also in digital format). Document and titles provided in a languages different from Italian or English should be supported by a translation in English.

False declarations shall be punished under the Penal Code and corresponding special laws according to the art. 76, of D.P.R 445/2000. INGV, according to art. 71 and following arts. 75 and 76 of D.P.R 445/2000 and following integrations and modifications verifies the correctness of the declaration provided.

Art. 7

Exclusion from the selection

Candidates are admitted conditionally to the selection. The Director of the INGV Sezione di Bologna can exclude from the selection a candidate on the basis of rightful motivations at any time. The exclusion will be communicated to the candidate.

Art. 8 Selection Board

The Selection Board is appointed by the Director of the Sezione di Bologna, and is composed of three members chosen among researchers, technologists and experts from INGV or from outside it, one with the role of Selection Board President and one with the role of the Recording Secretary. The Recording Secretary may be selected among the members of the Selection Board.

Art. 9 Selection modalities

The Selection Board establishes in its first meeting the criteria and the procedures of evaluation of candidates, qualifications and interviews, the latter aimed at evaluating the candidates background and the knowledge of the research themes stated at art. 1 of the presents titles and knowledge in English.

Candidates must bring a valid identity document in order to be interviewed and will be excluded from the selection procedure in case they do not show up at the time previously communicated by the selection Board.

The interviews will take place at INGV Sezione di Bologna, via Donato Creti, 12 Bologna, Italy. Remote interview through videoconference (Skype e.g., with webcam) can be requested by candidates in the application form, where a valid SKYPE account must be indicated. The interview will be preceded by official identification of the candidate, who will need to display the same passport/ID provided with application.

In the same day of the interviews the Selection Board prepares a ranked list based on the results of the interview of each candidate, in decreasing order, starting with the candidate with highest results.

Art. 10 Ranking of candidates and awarding of the researcher contract

The selection Board prepares a merit ranking by summing the ranks from the titles and from the interview for each candidate; this is presented in decreasing order starting with the candidate with highest result.

The merit ranking is approved with a specific act of the Director of Sezione di Bologna published on the website of INGV.

Within 15 days from the publication of the final results, INGV General Director communicates to the successful candidate the assignment of the research grant. The successful candidate must deliver within 15 days from notice of grant assignment and under penalty of forfeiture, a declaration of acceptance in Italian or English, in plain paper, in which it is stated that none of the incompatibilities stated at art. 4 hold.

A successful candidate who fails to communicate acceptance of the job within the requested deadline, or who is not present on the day of start of the grant is revoked from office. Delays in the date of start of the job can only be accepted in case of duly certifies medical reasons, maternity leave duly certified.

The appointment is conferred with private contract, it does not represent an employment relationship and does not give rights regarding access to employment position at INGV.

Art. 11
Rights and responsibilities

The appointed researcher should comply to rules and regulations approved by INGV for this kind of research grants.

Research activities will be developed in the frame of the European Project NEWTON, approved by the European Research Council Agency.

To the aims and objectives of the foreseen activities, the appointed researcher has full access to the infrastructures, instruments and services at their appointment structure, according to the applicable rules and regulation approved by INGV.

In case of work trips in the frame of the planned research activities, and subject to written authorisation by scientific responsible and of the Section Director, the related cost will be reimbursed according to the criteria and model established by the current regulations.

The research activities can be partly carried out at a University or Research Organization abroad at obtaining specific certification, provided this is consistent with the programs and goals of the research assigned to the assignees; the period spent abroad must be previously and expressly authorized by the Section of Bologna on the motivated proposal of the Scientific Responsible.

Art. 12
Forfeiture and termination

Procedures for termination of contract can be started at any moment during the appointment in case the granted researcher fails to regularly and continuously prosecute their activities without justification, or if the granted researcher is responsible of serious and repeated failures or shortcomings. Those termination procedures require duly motivated requested by Scientific Responsible approved by the General Director.

Art. 13
Advertisement of the selection process and Final Rules

The present call is advertised on the INGV official board and by publication on the website of INGV and MIUR. For matters not covered in this announcement, reference is made to the applicable laws and regulations.

For what is not provided for in this announcement, reference is made to the current laws and regulations in force.

The data obtained for this selection process is necessary for the administration of this selection announcement in accordance with Law n. 196/20032 and following integrations and modifications..

Director of Sezione INGV Bologna
Dott.ssa Francesca Quareni

APPLICATION FORM

K.A. Director Sezione of Bologna
 Istituto Nazionale di Geofisica e Vulcanologia
 Via Donato Creti, 12
 40128 Bologna, Italy

- 1) Subject: Application to participate to a public selection for a research contract. Reference
 "Selection for Research Grant n 1/2019/BO Sezione di Bologna"

The undersigned (name, surname) _____

Born in (country/state) _____ nation _____

date (dd/mm/yy) _____ Italian tax payer's code (codice fiscale) _____

and resident in (*street/square, postal code*) _____

Country _____ Nation _____

E-mail address entitled for the purpose of this call: _____

ASK

To be admitted to participate to a selection for the assignation of a collaborative contract regarding
**Forward and inverse modelling of the full seismic wave field, coupling seismological and
 geodynamical modelling, near convergent margins** under the ERC project called "NEWTON" at
 the INGV Sezione of Bologna.

To that end he/she declares under his/her own responsibility, according to art. 46 and 47 of DPR
 28/12/2000 n. 445 and aware of criminal penalties in case of false declarations as from art. 76 of
 DPR 28/12/2000 n. 445, to:

- possess the following citizenship: _____
 (only for European citizens) to be in possession of political rights;
 possess the following degree: _____

obtained at _____

on (dd/mm/yy) _____ evaluation: _____

- possess the requirements stated at art 3 from lettere a) to d) of this call.

- Have no prior criminal conviction and no current criminal proceedings (otherwise, please state pending proceedings and/or sentences passed, their dates and Judicial authority who passed them)
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- not to be permanently or temporarily employed at INGV;
 no to be permanently employed by other institutions referred to in art. 22, par. 1, law n. 240/2010;
 not to be enrolled in graduate courses (either at Bachelor or Master level)
 not to be enrolled in a PhD;
or
 to be enrolled in the following PhD course _____
and to produce documentation attesting the suspension of the grant before the date of start of the research contract
 have a good understanding of English
 and commit to timely communication of any change in the above contact details

I request to undergo a remote interview through videoconference system based on protocol "SKYPE with WEBCAM": **YES / NO**

To this aim, the following SKYPE address is elected:

to which I commit myself to be contacted in the day and time established and communicated by the Evaluation Committee.

I attach the following separate documents:

- 1) *Curriculum vitae et studiorum*, duly signed;
 - 2) Other titles (other titles attached to the application that the candidate deems may be subject to evaluation)
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-
-

- 3) Readable copy of passport or of a Europe recognized IT with photo;
 - 4) List all attached documents according to art. 6 of this call
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-
-
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I hereby agree to allow processing of my personal data according to the Legislative Decree 30/06/2003 n. 196 for the scope of the present selection.

Date _____ Signature (readable) _____

Note: the mail must report the following subject: "Selection for Research Grant n 4/2018 Sezione di Bologna"

**STATEMENT MADE UNDER
ARTICLES 46 AND 47 OF THE D.P.R 28/12/2000 N. 445**

I the undersigned _____
(surname) (name)

Born at _____
(place) (country) (nation)

on ____ / ____ / ____
(date: dd/mm/yyyy)

resident at _____
(place) (country) (nation)

in _____
(address)

Aware of the penalties in case of false statement, or using forged documents, referred to in art. 76 of Presidential Decree n. 445 of December, 2000

DECLARE:

- a) *(only for citizens of a state member of the European Commission)* that all the information given in my application form and curriculum vitae are true and accurate;
- b) *(only if copies of documents are provided, and for cases indicated at art. 6 of the notice n. 50/2012)* that the copies of the following documents attached to the application form are faithful copies of the original documents
(list the document for which copies are provided)

I declare to be informed, in accordance with and for purposes of art. 18 of the Legislative Decree n. 196/2003, that personal data collected will be treated, even by computer, only in the proceeding for which this statement is made.

_____ (place and date) **Signature**