

Selection for the provision of two three-year long research grant positions at INGV, in the frame of the EU Project IMPROVE

Call n. 10/2021

THIS ENGLISH VERSION PRESENTS A SUMMARY OF EVERYTHING NEEDED TO NON ITALIAN-SPEAKING CANDIDATES TO APPLY FOR THE POSITIONS. THE OFFICIAL CALL IS PUBLISHED IN ITALIAN, WITH THE ITALIAN VERSION DOMINATING OVER THIS ONE IN CASE OF CONFLICT

Art. 1) Object of the research grant

A public selection based on evaluation of titles and interview is issued for the provision of n. 2 research grants (*GRANT* typology) for the duration of 36 months each, for research activities in the frame of the EU H2020-MSCA-ITN-2019 project IMPROVE: www.improve-etn.eu. The activities for the two positions will be developed at the Catania Section for Position A), and at the Roma1 Section for Position B).

Position A)

The title of the research is:

“At the origin of the Etna dynamics: insight on the volcano behaviour by integrating in-situ and satellite-based (deformation/geophysical/volcanological) measurements”

and it will be developed at the Section of Catania – Etnean Observatory under the supervision of Dott. Giuseppe Puglisi.

The research will involve the following:

1. Description of the structure and dynamics of the active magmatic system and of the volcanic edifice at Mt. Etna, aimed at the definition of a conceptual model of the volcano;
2. Analysis of high frequency geodetic data (GPS, tilt) in order to evaluate their integrated use with seismic data in the investigation of processes with periods from order minute to day.

Position B)

The title of the research is:

“Active degassing of mafic magmas from remote multispectral observations”

and it will be developed at the Section of Roma1 under the supervision of Dott. Jacopo Taddeucci.

The research will involve the following:

1. Identification of the main parameters controlling the modes of active degassing and their transitions at Mt. Etna and in basaltic volcanoes in general;
2. Evaluation of the degassing dynamics in relation to acoustic and ground deformation data, and in comparison to the results from numerical simulations;
3. Contribution to the definition of a global reference model for the volcanic dynamics at Mt. Etna.

For the entire duration of the persistent Covid-19 emergency the research activities will be developed by respecting the corresponding regulations established by the Authorities and by INGV.

Art. 2) Length, renewal and salary

The annual gross salary corresponds to 48,166.56 euros including charges to the employer, paid through monthly disbursements. That amount is composed by a "Living Allowance" making up the corresponding base gross salary equal to 40,966.56 euros, plus a "Mobility Allowance" as established by the European Commission in the frame of MSCA-ITN projects, corresponding to 7,200.00 euros.

The grant lasts 36 months. Eventual extensions of the grant cannot sum up with the 36 months of this grant to a total exceeding 6 years, excluding the time during which the grant is benefited in coincidence with a doctorate course, limited to the length of the doctorate course established by law.

The grant is ruled by art. 4 of the law n. 476 of 13/08/1984 and subsequent additions and modifications for what concerns taxation; by art. 2, par. 26 and followings, of the law n. 335 of 08/08/1995 for what concerns social security; by the regulations of the Decree of the Minister of Labor and Social Security of 12/07/2007 for what concerns compulsory abstention for maternity; by art. 1 par. 788 of the Law n. 296 of 27/12/2006 and subsequent additions and modifications for what concerns sick leave.

In addition, a "Family Allowance" amounting to 500.00 euros per month is due to a researcher who has family at the time of contract start. Family corresponds to a) the researcher being married, b) the researcher having established a relationship equivalent to marriage status as recognized by the laws of the country where such a relationship has been officially registered; c) a researcher having dependent children.

Art. 3) Requirements for eligibility

Applicants for the position must satisfy the following requirements:

1. Possess a degree (or equivalent diploma entitling access to a doctorate course) in one among Geology/Earth Sciences, Physics, Mathematics, Engineering.

In case the degree (or equivalent diploma) is obtained outside Italy, and the applicant has already obtained the equipollence certificate according to the current regulations, the applicant must provide either the act of an Italian University attesting of the equipollence, or the act by the Italian Ministry for University and Research (MUR) attesting the validity of the degree for the participation to public calls in Italy.

In case the degree (or equivalent diploma) is obtained outside Italy, and the applicant has not yet obtained the equipollence certificate, that equipollence will be evaluated by the Selection Board only for the admission of the applicant to the selection procedure. If winning the selection, the applicant will then have to produce the equipollence certificate before starting the contract, under penalty of exclusion from the selection ranking.

2. Be able to speak English.

Requirements 1 and 2 above must be possessed at the time of deadline for call application.

3. Have received the degree or equivalent diploma at point 1 above less than 4 years before the date of start of contract. The computation of time from the degree involves only the time spent in post-degree research activities (full-time equivalent research experience), whereas the time spent in any other activity is not computed.

4. Not to possess a PhD at the date of start of contract.
5. Not to have developed the principal activity (study or work) in Italy for more than 12 months during the last three years before the date of start of contract.

Requirements 3, 4 and 5 above must be possessed at the time of start of contract, foreseen on March 1, 2022.

INGV guarantees equal opportunities in terms of gender or any other discriminating factor different from qualifications and competence, as well as protection of privacy in relation to personal data according to the current regulations.

Art. 4) Incompatibilities

The following qualifications involve exclusion from the selection procedure:

- Be a permanent employee at a University or public research institution or center, or at the ENEA, or at the Italian Space Agency, or at any institution providing diplomas that are regarded as being equivalent to a doctoral degree according to art. 74 par. 4 of the DPR n. 382 of 11/07/1980.
- Be an employee at a public administration different from those listed above, or at a private organization, unless put on unpaid leave (including part-time employees) for the entire length of the grant.
- Be enrolled in a bachelor or master (or other specialized) degree course, in a doctorate (PhD) course paying a grant, in a University master, either in Italy or abroad. Being enrolled in a PhD course is possible if that is not accompanied by a grant or salary, or if the winning applicant renounces to the grant or salary paid by the doctorate course.
- Be an INGV employee assumed with either a permanent or temporary contract, or be a permanent employee at one of the institutes and organizations at art. 22 par. 1 of the Law n. 240/2010.

The present grant cannot be cumulated with other grants from INGV or from any other research institution or center. The appointed fellow cannot develop any other assignment at INGV, different from those related to the present call.

Art. 5) Application

The application for admission to either Position A or B must be compiled according to the form in Attachment 1 and signed by the applicant, under penalty of exclusion from the selection, and addressed to: INGV, Sezione di Catania, Piazza Roma n. 2 - 95125 - Catania. The application must be received within 30 days from the day of publication of this call in the INGV website, and sent electronically as a pdf file to the email address aoo.catania@pec.ingv.it. The object of the email must be the following: ***“Selezione per n. 2 assegni di ricerca grant. Bando n. 10/2021 - INGV Sezione di Catania – Posizione ____”*** (specify if the application is for Position A or Position B. An application can be for one position only; if the applicant wants to apply for both positions, send two separate applications in two separate e-mails which do not refer to each other).

For Italian applicants, and for foreign applicant residing in Italy and legitimate to the use of PEC: the email must be sent exclusively from the certified e-mail (PEC) of the applicant. The validity of the transmission is certified by the “Ricevuta di avvenuta consegna” that must reach the PEC e-mail of the applicant by no later

than 23.59.59 hour of the last useful day indicated above. It is a duty of the applicant to check the above, as a proof that the application has been sent in due time.

For foreign applicants residing abroad, or residing in Italy but not legitimate to the use of PEC: the application can be sent from a non-certified (regular) e-mail address.

If the last useful day for receipt of the application is a non-working day in Italy, the deadline is moved forward to the first working day.

The application must provide the e-mail address identified by the applicant for any communication related to this call, including possible invitation for the interview. That excludes any other obligation related to communications by the Selection Board. The INGV Administration does not hold any responsibility or liability regarding loss of information due to wrong or unclear communication of personal data or address, or due to missing or late communication of change of address reported in the application, or for malfunctioning of the telematics network or anyhow due to third parties, to fortuitous event, or to force majeure.

The application and the CV must be signed in hard copy, or as electronic signature, or with other signature modalities identified in art. 65 of the d.lgs. n. 82 of 07/03/2005.

The application must report, under penalty of exclusion from the selection procedure:

1. name and surname, date and place of birth, residence and citizenship;
2. e-mail address identified for any communication related to the call;
3. diploma allowing participation to this call, including the University providing it, the date of provision, and the grades received;
4. that the applicant does not have any employee relationship with public or private institutions/organizations and does not receive any other research grant;
5. that the applicant possesses the requisites at art. 3 of this call;
6. that the applicant has no criminal convictions and no pending criminal proceedings (otherwise, indicate the ongoing proceedings and the sentences passed, the dates of judgements and judicial authority which issued them);
7. that the applicant possesses political rights (only for citizens of the European Union).

Furthermore, the application must be accompanied by:

- the signed applicant's CV, in Italian or English;
- a short letter (ideally half a page or less) presenting the qualifications and the motivation of the applicant with relation to the research activities foreseen;
- only for European citizens and non-European citizens living in Italy: a declaration according to the DPR n. 445/2000, in relation to the total length of relationships as from art. 22 par. 9 of the Italian Law n. 240/2010 (see the provided form at Attachment #2);
- copy of the diploma allowing participation to this call;
- readable copy of the applicant's legally valid ID or Passport with photo, under penalty of exclusion from the selection procedure.

Art. 6) Titles for evaluation

The Selection Board will first evaluate the applicant's CV, that should specify any facts and qualities and in particular:

- the studies undertaken and the qualifications obtained with relative dates;
- the services provided, the functions performed, the positions held and their duration;
- any other technical, scientific, didactic or professional activity and experience;
- the scientific and technical publications;
- any other information that the applicant may consider to be relevant for the evaluation.

The titles that the applicant intends to provide as elements of evaluation must be possessed at the last date useful for participating to this call, and can be attached to the application. Those titles should be provided according to the following:

- products of scientific, technical or professional activity (including degree and/or PhD thesis, published papers, technical reports, patents, databases, etc.):

if freely accessible through the web they may not be attached to the applications provided that their exact and complete web address is indicated, including their DOI (Digital Object Identifier) if available; if not freely accessible through the web they should be attached to the application if they are written in Italian or English; in all cases they can be thoroughly described in the CV and will be evaluated based on such descriptions even if not attached or if written in a language different from Italian or English;

- For any other title:

European Union citizens: documents and titles provided by public administrations of member states must not be attached but be listed in a declaration according to art. 46 and 47 of the DPR n. 445/2000 (see the provided form at Attachment #2). Documents and titles provided by non-member states or non-EU or private organizations must be provided as original or as a copy; titles produced as a copy must be listed in a declaration according to art. 19 and 47 of the DPR n. 445/2000 (see the provided form at Attachment #2). Titles not in Italian or English must be accompanied by their English translation;

Non-EU citizens regularly living in Italy: documents and titles provided by Italian public administrations can be not attached but be listed in a declaration according to art. 46 and 47 of the DPR n. 445/2000 (see the provided form at Attachment #2). Documents and titles provided by public administrations from non-EU countries, or by EU or non-EU private organizations, must be provided as original or as a copy. Titles not in Italian or English must be accompanied by their English translation;

All other non-EU citizens: documents and titles must be provided as original or as a copy. Titles not in Italian or English must be accompanied by their English translation.

False declarations shall be punished under the Penal Code and corresponding special laws. INGV will verify the correctness of the declarations provided.

Art. 7) Exclusion from the selection procedure

Applicants are admitted conditionally to the selection. Exclusion from the selection procedure is explicitly foreseen in case of:

- a) missing to sign the application form or the declaration at Attachment 2;
- b) missing to attach copy of a legally valid ID or passport with photo;
- c) missing to present the application within the indicated deadline.

Exclusion from the selection procedure due to missing requisites can be established at any time by the Director of the Section, and be promptly communicated to the applicant.

Art. 8) Selection Board

The Selection Board is appointed by the Director of the Section on a date following the deadline for presenting applications, and it is composed by three persons selected among Italian or foreign researchers and technologists internal or external to INGV, or among Italian or foreign University Professors, with one of such components acting as Board President, plus one Board Secretary. The composition of the Selection Board is published in the INGV website.

The Selection Board makes their evaluation through telematics, ensuring security and traceability of communications according to current laws.

Art.9) Selection modalities

The Selection Board disposes of 100 points in total for the evaluation of each candidate.

For the evaluation of the titles, the Board disposes of 50 points out of 100. For the evaluation of the interview, the Board disposes of the remaining 50 points. Candidates who have received a minimum of 30 points out of 50 in the evaluation of titles are admitted to the interview. The interview is passed if a candidate receives a minimum of 30 points out of the 50 available for the interview.

The overall candidates' evaluation is provided by the Board after evaluation of titles and interview.

The Board establishes in advance the criteria and parameters for the evaluation, with specific reference to the foreseen research activities and the requisites at art. 3 of this call. Those criteria and parameters are reported in the Board minutes and adopted in order to assign points to candidates. Then, the Board evaluates the titles according to the established criteria and parameters. Finally, the Board evaluates the candidates through an interview focused on the candidate's knowledge and experience, the foreseen research activities, the products of the scientific, technical or professional activity of the candidates, as well as on their knowledge of the English language.

The interview will be operated through telematics by means of the GoogleMEET digital platform. Accordingly, each applicant must report in their application form a personal gmail account for the interview, and ensure functionality of their video and audio systems and internet connection. At interview start, the candidate must present the same ID or passport attached to the application form.

The day, time and link for the interview will be communicated through the e-mail address indicated by the applicant in the application form. The link will be also published in the INGV website, section "bandi di concorso". Candidates who do not show up for the interview at the communicated day and time will be excluded from the selection procedure.

At the end of all interviews the Board produces a list with all interviewed candidates and their interview score.

Art. 10) Candidates' ranking

The candidates' ranking is made by summing up for each candidate the score received from the evaluation of titles and for the interview, and listing each candidate according to decreasing rank. The candidates' ranking is then approved by the Director of the Section of Catania and published in the INGV website, with the first ranked candidate declared as selection winner. Within 15 days from publication, the INGV appoints the winner.

The grant is provided through a private rights contract which does not identify an employee status and does not provide any rights for subsequent employment at INGV.

Within 15 days from communication, the winner will communicate to INGV, under penalty of decay unless properly justified as due to health issues or maternity leave, written acceptance where it is stated that none of the impeding conditions under art. 4 of this call holds.

Art. 11) Rights and duties

The appointed fellow must adhere to the INGV obligations for research grant fellows:

<http://istituto.ingv.it/it/2-non-categorizzato/90-altri-regolamenti.html>.

The fellow will develop research activities in the frame of the project IMPROVE according to the activities at art. 1, in the respect of rules and regulations established by INGV, and accessing the infrastructures of INGV and the services provided to the researchers according to the current INGV regulations. In case of travels, in Italy or abroad, foreseen for the development of the research activities and duly authorized by the Scientific Responsible and by the Director of the Section, the corresponding costs will be reimbursed with the criteria and modalities established by the current regulations.

Art. 12) Decay and resolution

In case the appointed fellow does not apply regularly and continuously during the entire appointment period, a procedure is started to declare decay and contract resolution, under motivated request by the Scientific Responsible, subject to approval by the General Director of INGV.

Art. 13) Personal data

Personal data are managed by INGV, which guarantees the application of the current national and European regulations and laws with respect to data protection and privacy issues. Use of applicants' personal data is exclusively for the purpose and finality of the selection, and, for the appointed fellow, for managing the corresponding contract and regulating the corresponding activities.

Art. 14) Access to documents and responsible for the procedure

Candidates can exert their right to access the documents related to the selection procedure, according to current laws and regulations. When presenting the application form each applicant accepts that the INGV administrative offices will follow up with possible similar requests by other candidates, upon communication to any involved candidate. In order to allow the administration to obscure specific personal data in case of requests of access to documents, the applicants should provide their documents in a non-protected digital format.

The responsible of the procedure is the Director of the INGV Section of Catania, Dott. Stefano Felice Branca, direttore.oe@ingv.it, PEC: aoo.catania@pec.ingv.it.

Art. 15) Final provisions

This call is published in the websites of INGV, MUR, and European Union, and in the IMPROVE website. For matters not covered in this call, reference is made to the applicable laws and regulations.

The Director of the INGV Section of Catania
Dott. Stefano Branca

The Director of the INGV Section of Roma¹
Dott. Salvatore Barba