

**OGS**Istituto Nazionale
di Oceanografia
e di Geofisica
SperimentaleBorgo Grotta Gigante 42/c
34010 Sgonico (Trieste)
Tax code/VAT number:
00055590327
Tel. +39 040 21401
ogs@pec.it
www.ogs.it**Call for Applications 11/2026**

Open competition based on qualifications and interview to award 2 (two) research post on the subject of “Socio-economic vulnerability analysis and development of AI-driven landslide susceptibility models” for the Geophysics Section of the National Institute of Oceanography and Applied Geophysics – OGS.

Art. 1 – Subject of the selection and general provisions

The National Institute of Oceanography and Applied Geophysics – OGS, pursuant to Article 22-ter of Law No. 240 of 30 December 2010, is organising a public selection process based on qualifications and interview to **award 2 (two) research post** with the following characteristics:

Subject	Socio-economic vulnerability analysis and development of AI-driven landslide susceptibility models
Description	The two fellows will quantify and model dynamic interactions between natural hazards and anthropogenic drivers. Activities will include: analyzing socio-economic inequalities influencing landslide vulnerability through the mapping of informal settlements and demographic data; processing high-resolution satellite data; developing deep learning models; and integrating governance and economic indicators into spatial risk assessment models.
GDS code (Scientific Disciplinary Group) and SSD code (Scientific Disciplinary Sector)	04/GEOS-04 GEOPHYSICS GEOS-04/C - Oceanography, Meteorology and Climatology
Principal investigator	Dott. Sansar Raj Meena
Location	Borgo Grotta Gigante, Sgonico (TS)

Those who find themselves in any of the circumstances referred to in Article 4 below are not eligible for research posts.

Holding a research post does not confer any right to access permanent roles within the Organisation, nor may it be counted towards any permanent appointments as referred to in Article 20 of Legislative Decree No. 75 of 25 May 2017.

Art. 2 – Duration and remuneration, legal status, insurance, tax and social security

The research post lasts 24 months, subject to renewal. The total duration of research posts held by the same individual, even if awarded by different institutions, may not exceed three years, including any extensions, even if not consecutive.

In order to calculate the period referred to in the preceding paragraph, periods spent on maternity or paternity leave or on sick leave in accordance with current legislation shall not be considered.



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The research post holder shall be paid, for the entire duration of the contract, the remuneration defined by pay Band n. 3, amounting to € 22.500 gross. The gross annual remuneration is net of charges borne by the OGS and is paid to the research post holder in equal monthly instalments.

The tax and social security provisions set out in Article 22-ter, paragraph 6, of Law No 240 of 30 December 2010 apply to research posts.

The holder of a research post is covered by insurance against accidents at work, occupational diseases and civil liability.

The holder of a research post who is sent on a mission for reasons related to their research activities is entitled to the mission allowance provided for in the Organisation's Mission Regulations for staff classified as researchers and technologists.

Art. 3 – Admission requirements

To participate in the selection process, the following is required:

- a) a degree in scientific disciplines obtained in accordance with the legislation in force prior to Ministerial Decree No. 509 of 3 November 1999, or a Specialised Degree or a Master's Degree as referred to in Ministerial Decree No. 270 of 22 October 2004, No. 270 of 22 October 2004 in all classes deemed equivalent pursuant to the Interministerial Decree of 9 July 2009, in accordance with the table attached to that decree, from Italian or foreign universities; recognised as equivalent by the selection panel solely for the purpose of participating in the selection process;
- b) a relevant academic and professional curriculum suitable for assisting with the research activities covered by this selection process;
- c) enjoyment of civil and political rights;
- d) good knowledge of the English language.

If a qualification is obtained abroad, the candidate must submit, by the application deadline and on pain of exclusion from the selection procedure, detailed documentation of their educational background to enable the Examination Board to issue the declaration of equivalence referred to in point (a) above.

The assessment of the scientific and professional curriculum vitae deemed suitable for carrying out research activities, as referred to in point (b) above, is subject to the incontestable judgement of the Selection Panel.

All requirements for admission to the selection process must be met by the date of publication of this call for applications.

Art. 4 - Incompatibility

Research posts awarded by the OGS are incompatible with:

- a) enrolment in bachelor's, master's or doctoral degree programmes in Italy or abroad, without prejudice to the possibility of implementing specific European Union research funding programmes under the Marie Skłodowska-Curie Actions (MSCA);
- b) holding PhD scholarships or other grants, awarded for any reason by national or foreign institutions, except where these are intended to facilitate international mobility for research purposes;



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

- c) holding other research posts, research grants, post-doctoral positions, research contracts and fixed-term research contracts as referred to in Article 24 of Law No. 240/2010.

Research posts may not be awarded to candidates who have already served under employment contracts, with a total duration of at least one year, in the roles of researcher or technologist, at the OGS, at universities or at other Italian research bodies.

Research posts are also incompatible with any employment relationship, including part-time or fixed-term contracts, with public or private entities and, in the case of post-doctoral positions, entail the employee's placement on unpaid leave from their post within public administrations.

The holder of a research post may not, under any circumstances, carry out activities that may entail a conflict of interest, even a potential one, with the activities of the Organisation. Any occasional self-employed work may only be carried out with the prior authorisation of the Director General, following a reasoned opinion from the Director of the relevant scientific unit and the Scientific Director regarding the absence of any prejudice to the proper conduct of the research activities covered by the post.

Those who are related by blood or marriage up to and including the fourth degree, or who are in a same-sex civil partnership or de facto cohabitation with the Director of the relevant Unit or with the Research Manager to whom the research post may be assigned, may not participate in the selection process.

Art. 5 – Submission of applications: deadlines and procedures

The application form, drawn up in accordance with the template set out in Annex A, must be completed, signed and sent exclusively via the candidate's personal Certified Email (PEC) to the following PEC address: ogs@pec.it, stating the reference number of the call for applications in the subject line.

Solely and exclusively for foreign candidates and Italian citizens residing abroad, if this PEC email is not possible, the application to participate in the selection process may be sent via ordinary personal email to the following email address: protocollo@ogs.it.

The application must be signed in the following manner:

- by means of a digital signature issued in accordance with Legislative Decree 82/2005, as amended (Digital Administration Code – CAD), using a smart card, USB token or remote signature, which allow the holder to sign documents digitally;
- by means of a handwritten signature, i.e. a handwritten autograph, in the event that a digital signature cannot be used; the document must be signed by hand, then scanned and sent.

No other forms of submission or methods of sending the application for participation are permitted, nor are other methods of signing (graphical representations of handwritten signatures, e.g. in JPEG format), under penalty of exclusion.

The application must be received no later than **23:59** on the closing date of this call for applications, that would be within the 15° day after publication on OGS'S website.

All communications relating to this procedure will be sent to the candidate's personal certified email address (PEC); the candidate bears full responsibility for any failure to receive such communications. The OGS accepts no liability arising from incorrect contact details provided by candidates or from the failure to notify, or late notification of, any change to their certified email address (PEC) and/or email address.

The following documents must be attached to the application in .pdf format. If the established limit of 30 MB per individual certified email (PEC) sent is exceeded, multiple emails must be sent, taking care to specify



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

the submission number in the subject line (e.g. first name, surname – call for applications no. xxxx – submission no. X of Y).

Files sent in '.zip' folders will not be accepted.

The candidate must attach the following documents to the application in PDF format:

- 1) a scientific and professional CV (preferably in European format) written in Italian or English, dated and signed, either by hand or digitally in accordance with the procedures set out above; the CV must include all information deemed relevant for the purposes of assessment;
- 2) a list of qualifications which the candidate considers appropriate to submit for the examination by the Selection Panel;
- 3) a list of publications;
- 4) publications, projects or other research outputs, up to a maximum of 12;
- 5) detailed documentation of the candidate's educational background in the event that the academic qualification, as an entry requirement under Article 3, paragraphs 1 and 2, was obtained abroad;
- 6) a photocopy of a valid identity document.

The following additional documents may also be attached for the purposes of assessing qualifications:

- a) a PhD or equivalent qualification (provided this is not the sole requirement for admission to the selection process);
- b) copies of contracts, appointments or other documents attesting to the performance of duties with public or private entities;
- c) specialisation diplomas and certificates of attendance at postgraduate advanced courses, both in Italy and abroad.

Applicants may also indicate in their application the first name and surname, professional affiliation and email address of up to two referees, who will be able to send a letter of reference to protocollo@ogs.it by the application deadline. Letters of reference received by means other than those specified in the call for applications will not be considered.

Art. 6 – Exclusions

The following are excluded from the selection procedures for awarding research post contracts:

- a) permanent staff, employed on a permanent basis, of the institutions referred to in paragraph 1 of Article 22 of Law No. 240 of 30 December 2010;
- b) those who have benefited from contracts referred to in Article 24 of Law No. 240 of 30 December 2010, in the version in force following the entry into force of Decree-Law No. 36 of 30 April 2022, converted, with amendments, by Law No. 79 of 29 June 2022;
- c) those who fall within one of the categories referred to in Article 4.
- d) those who, holding a qualification obtained abroad, have not submitted, by the application deadline, detailed documentation of their educational background to enable the Examination Board to issue the declaration of equivalence referred to in Article 3(a) and (b).



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Any exclusion from the competition, for whatever reason, may be ordered at any stage of the selection process by decision of the Director-General, following the recommendation and proposal of the Head of the Selection Process and/or the Selection Board referred to in Article 6.

Exclusions shall be notified to the persons concerned within 5 days of the adoption of the relevant decision.

Art. 7 – Selection Panel

The Selection Panel is appointed by decision of the Director General of the OGS once the deadline for submitting applications has passed.

The Selection Panel consists of a Chair and at least two members, including the Scientific Director. The role of secretary is performed by one of the members of the Panel, appointed by the Director General. Substitute members may be appointed to stand in should the regular members be unable to attend.

Where the subject matter of the positions to be filled requires proven expertise in specific fields for the assessment of candidates, the Panel may be supplemented by an additional expert member. All members of the Panel must possess the language skills required by the call for applications for the purposes of assessment and selection.

The Selection Panel's meetings shall take place in the presence of all members, where necessary using remote teleconferencing tools, whilst ensuring the security and traceability of communications during the meetings. The procedures followed must be duly recorded in the minutes.

During its first meeting, the Panel shall declare that it has no conflicts of interest with the candidates, in accordance with current legislation, and shall define the assessment criteria and the date of the interview, ensuring maximum publicity by giving at least 15 days' notice of the scheduled date.

The results of the assessment of qualifications must be made known to the candidates prior to the interview by publication on the Organisation's website.

The Panel is required to assess the suitability of the scientific and professional curriculum vitae for the conduct of the research project, with reference to the criteria set out in Article 8 below.

The Selection Panel's decision is final.

The Panel must complete its work, drawing up the merit ranking, within 2 months of the date of appointment.

Upon completion of its work, the Panel shall draw up the final report containing the ranking of eligible candidates in descending order of the total score derived from the sum of the scores obtained by each candidate during the assessment of qualifications and the public interview.

Art. 8 – Qualifications to be assessed, oral examination and merit ranking

Selection is based on qualifications and an oral examination.

The Selection Panel has a total of 100 points, allocated as follows:

30 points for qualifications

70 points for the oral examination



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The minimum score required to pass the interview is set at 49 out of 70.

The selection process is considered passed with a minimum score of 70 out of 100.

ACADEMIC QUALIFICATIONS (maximum 30 points out of 100)

Before assessing qualifications, the Selection Panel defines the criteria and corresponding marks to be awarded to candidates, based on the following parameters and in relation to the characteristics of the Scientific-Disciplinary Sector and the research programme covered by the selection process and the activities envisaged for the post, namely with reference to:

- a) the academic background, including specialisation diplomas and certificates of attendance at postgraduate advanced courses, both in Italy and abroad;
- b) a PhD or equivalent qualification (provided that this is not the sole requirement for admission to the selection process);
- c) previous research activities, as well as any work experience, with particular expertise in:
 - socio-economic data analysis, spatial statistics;
 - demographic datasets (e.g. WorldPop, OpenStreetMap, census data), high-resolution satellite imagery and Digital Elevation Models (DEM);
- d) the relevance and quality of publications produced in relation to the research programme and the activities covered by the post

Particular emphasis will be placed on the Master's thesis on topics relating to social vulnerability, human geography, hydrogeological risk or the application of Artificial Intelligence to the geosciences.

The results of the assessment of qualifications must be communicated to candidates, via publication on the OGS website in the section dedicated to this procedure, prior to the oral examination.

The date, time and venue of the examination will be announced at least 15 days in advance via a notice published on the OGS website in the 'Competitions' section dedicated to this procedure.

This publication shall constitute notification for all purposes.

ORAL EXAMINATION (maximum 30 points out of 100)

The oral examination may be conducted via videoconference, using IT and digital tools, whilst ensuring that technical solutions are in place to guarantee the transparency of the process, the identification of participants, and the security of communications. The Selection Panel reserves the right to publish any detailed instructions regarding the conduct of the interview on the institutional website in good time.

The oral examination will focus on knowledge relating to the activities outlined in the call for applications, relevant experience, any publications submitted, and further topics relevant to the research themes described in the call.

The oral examination is designed to assess the candidate's skills and aptitude for conducting the activities covered by the research post, as well as to evaluate their knowledge of English and/or other languages specified in the call for applications.

It may also be conducted in English.

To sit the oral examination, candidates must present a valid form of identification.



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Candidates who fail to attend the interview, or, should it take place online, are not connected in accordance with the procedures indicated by the OGS, will forfeit all rights to participate and will be deemed to have withdrawn from the selection process.

Candidates who achieve an overall score of at least 49/70 will pass the interview.

At the end of the proceedings, the Panel shall draw up the final report containing the ranking of eligible candidates in descending order of the overall score derived from the sum of the scores obtained by each candidate during the assessment of qualifications and the public interview.

In the event of a tie in the overall score, it being understood that in selections for the awarding of research posts, a PhD, where not required for admission, constitutes a preferential qualification for the purposes of drawing up the final ranking, priority in the ranking shall be given, in the following order, to the candidate who, in the event of equal merit and equal qualifications, is declared the winner on the basis of the preferential criteria set out in Article 5, paragraph 4 of Presidential Decree No. 487/1994, as amended and supplemented.

The merit ranking list indicating the successful candidate will be published in the same manner as the call for applications, on the OGS website at <https://www.ogs.it/it/concorsi>.

The publication shall constitute notification for all purposes.

Art. 9 – Approval of the merit ranking and appointment of the successful candidate

The Director General of the OGS, having verified the formal validity of the documents submitted by the Selection Panel, shall approve the merit ranking and appoint the successful candidate.

The rankings remain valid for 24 months following the date of their approval.

Should the successful candidate expressly decline the post or fail to accept it within the time limit set out in Article 10 of this call for applications, the list of successful candidates shall be reviewed in order of ranking within the period of validity of the list.

Article 10 – Awarding the research post

The Director General of the OGS, in accordance with the provisions in force, shall award the research post to the successful candidate.

The successful candidate will be sent the offer of the research post by email, which must be accepted by email within 15 days of receipt.

If the candidate does not respond to confirm acceptance or withdrawal within 15 days, they will be deemed to have withdrawn. The start of the research post is normally within 60 days of the date of acceptance; any postponements may be agreed with the Director of the relevant scientific unit provided they are compatible with the project activities.

The contract will be signed by the successful candidate at the start of the position. Failure to sign the contract within the specified timeframe will be considered a withdrawal from the position, and the candidate will be removed from the ranking list.

The signing of the contract constitutes the conferral of the post.



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Art. 11 – Obligations of the research post holder

The research post holder is obliged to:

- a) to commence work on the date specified at the scientific unit indicated in the contract;
- b) to perform their duties regularly and without interruption for the entire duration of the contract;
- c) to comply with all OGS internal regulations and to adhere to health and safety regulations, and to follow the instructions of the Scientific Project Manager or Activity Manager and, likewise, of the Research Supervisor for research assignments;
- d) to comply with the obligations set out in the Organisation's Code of Conduct and Code of Ethics;
- e) to comply, in particular, with the Organisation's internal regulations issued in implementation of the obligations regarding publicity, transparency and the dissemination of information by public administrations, as provided for by Legislative Decree No. 33 of 14 March 2013, as amended and supplemented.

The holder of a research post is subject to the health checks provided for by Legislative Decree No. 81/2008, at the Organisation's expense, and to the regulations on health and safety at work.

The work of the research fellow is carried out under the supervision and guidance of a tutor, who is appointed for the entire duration of the project but may be replaced in the event of incapacity or research requirements, subject to authorisation by the Director of the Research Unit and approval by the Scientific Coordinator of the project to which the research post is assigned.

Should the research fellow, without just cause, fail to continue their work regularly and without interruption for the entire duration of the contract after commencing it, or be found guilty of serious and repeated breaches of duty, or, finally, demonstrate that they lack the necessary aptitude for the work provided for in the contract and carried out under the supervision and guidance of the Scientific Director of the project/activity, the Institute may, as appropriate, initiate the relevant disciplinary procedures or terminate the contract by means of a reasoned decision by the Director General.

The measures referred to in the preceding paragraph shall be adopted on the proposal of the Director of the scientific unit where the research post holder carries out their work, after hearing the person concerned.

A research fellow who intends to terminate the contract early must give notice of their intention at least 30 days in advance to the Director of the relevant scientific unit, the Director General and the Human Resources Management Department.

Art. 12 – Data processing

Pursuant to Article 13 of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (General Data Protection Regulation – GDPR), the personal data provided by candidates as part of the selection procedure, or collected ex officio for the same purposes, will be processed by the OGS exclusively for purposes related to the conduct of the procedure itself. The processing will be conducted by specifically authorised staff and, where applicable, by the Selection Panel, including by electronic means, in accordance with the principles of lawfulness, fairness and relevance, within the limits strictly necessary for the pursuit of the purposes indicated above.

Pursuant to Articles 15 et seq. of the GDPR, data subjects are entitled to the rights of access, rectification, erasure, restriction of processing and objection on legitimate grounds. These rights may be exercised by



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

contacting the Data Controller, the National Institute of Oceanography and Applied Geophysics – OGS, with registered office at Borgo Grotta Gigante 42/c, 34010 Sgonico (TS), email: privacy@ogs.it. The Data Controller has appointed a Data Protection Officer (DPO), who can be contacted at the following email address: dpo@ogs.it.

In accordance with the provisions on data protection in OGS recruitment procedures, the minimisation of candidates' personal data is guaranteed, as is the adoption of technical and organisational measures designed to ensure that such personal data is not attributed to an identified or identifiable natural person.

Art. 13 – Person responsible for the procedure

Pursuant to and for the purposes of Article 5 of Law No. 241 of 7 August 1990, the person responsible for the procedure referred to in this notice is the Head of Human Resources, Carlo Martone, Lawyer, cmartone@ogs.it

Article 14 – Publication

This call for applications will be published in full on the OGS institutional website www.ogs.it, as well as on the MUR Calls for Applications website and on the European mobility portal *Euraxess*.

Art. 15 – Access to documents

The right of access to the selection documents must be exercised in accordance with the procedures set out in Law No. 241 of 7 August 1990, as amended and supplemented. For further information, please write to the Recruitment and External Staff Office – concorsi@ogs.it

Notification regarding requests for access to the relevant documents will be published on the website <https://www.ogs.it/it/concorsi>, in the section dedicated to this selection process.

This publication fulfils all obligations to inform the interested parties.

Art. 16 – Final provisions

For matters not covered by this call for applications, please refer to the “Regulations for the awarding of research posts, pursuant to Articles 22-bis and 22-ter of Law No. 240 of 30 December 2010” of the OGS, approved by Resolution of the Board of Directors No. 16 dated 06.03.2026 and to the relevant legislation.

DIRECTOR GENERAL

(Dr Paola Del Negro)

Digitally signed

pursuant to Legislative Decree 82/2005, as amended, and related regulations



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Annex A)

At the National Institute of Oceanography

and Applied Geophysics - OGS

ogs@pec.it

APPLICATION FORM TO PARTICIPATE IN THE SELECTION PROCESS

FOR THE AWARDING OF A RESEARCH POST

SELF-DECLARATION IN LIEU OF CERTIFICATES

(Art. 46 of Presidential Decree No. 445 of 28 December 2000)

The undersigned (first name and surname)

Tax Code (mandatory for residents in Italy)

born in (in the province of)

on (day/month/year)

and resident in (town and province)

Street (street, number and postcode)

certified email address: (mandatory for residents in Italy)

email address: (email address)



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Aware of the criminal liability that may be incurred in the event of forgery or making false statements, pursuant to Article 76 of Presidential Decree No. 445 of 28 December 2000, I hereby apply to be admitted to the public selection process, based on qualifications and interview, for the following call for applications:

Call for Applications 11/2026

Open competition based on qualifications and interview to award 2 (two) research post on the subject of “Socio-economic vulnerability analysis and development of AI-driven landslide susceptibility models” for the Geophysics Section of the National Institute of Oceanography and Applied Geophysics –

Date

Signature

DECLARATION IN LIEU OF CERTIFICATION

(Articles 46–47 of Presidential Decree No. 445 of 28 December 2000)

The undersigned, for the purposes of admission to this selection procedure, declares, pursuant to Art. 46 of Presidential Decree No. 445 of 28 December 2000, under his/her own responsibility:

1. that I am a citizen of (state nationality)
2. that I have no criminal convictions
(if this is not the case, please specify the nature of the convictions)
.....
3. that I enjoy civil and political rights
4. that I have a good knowledge of the English language
5. that I hold (tick the relevant)

a degree awarded under the regulations prior to Ministerial Decree 509/99

a specialist degree in accordance with Ministerial Decree 509/99

a master’s degree in accordance with Ministerial Decree 270/04

degree from a foreign university

in (degree programme)

awarded on (day/month/year)

at the University of (name of university)

with the following grade (grade/percentage)



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The undersigned declares,

- pursuant to Article 22-ter, paragraph 9, of Law No. 240 of 30 December 2010, that I have entered into the following professional relationships referred to in Articles 22, 22-bis and 22-ter and contracts referred to in Article 24 of the aforementioned legislation, for a period not exceeding 11 years, as listed below:

Type:

from (day/month/year) to (day/month/year)

at (Institution).....

Type:

from (day/month/year) to (day/month/year)

at (Institute)

- that I **have**/ **have not** worked under an employment contract as a researcher or technologist at the OGS or at the following Research Body or University

ALSO ENCLOSES the following documentation and declares, pursuant to Article 47 of Presidential Decree No. 445 of 28 December 2000, under his/her own responsibility:

some examples:

- *that the curriculum vitae, including information on academic output, comprising of (number of pages/sheets) sheets is true and accurate*
- *that the identity document (ID card/passport number) is a true copy of the original*

Additional attached documents (to be completed for each attached document)

- *that the copy of the following qualification/document/publication (qualification, document, or publication) comprising n. (number of pages/sheets) sheets is a true copy of the original.*
- ...
- ...



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

In the context of the proceedings for which this declaration is made, the undersigned authorises, pursuant to Legislative Decree No. 196 of 30 June 2003, "Personal Data Protection Code" and the GDPR (EU Regulation 2016/679), the processing and collection, including by electronic means, of personal data relating to the application for participation and related attachments.

Date

Signature

The application form must be completed in full and accompanied by all the required attachments (a photocopy of a valid identity document and the scientific and professional CV bearing a handwritten or digital signature).