



OGS
Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Borgo 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 15/2026

Open competition based on qualifications to award **1 (one)** research post on the subject of “Numerical methods for mass conservation in ocean models” for the Oceanography 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 to **award 1 (one) research post** with the following characteristics:

Subject	Numerical methods for mass conservation in ocean models
Description	Research, development and code implementation of algorithms for the offline integration of current velocity data in the OGSTM-BFM model. The aim is the numerical improvement of the local mass conservation of water, reducing drifts and artifacts in the biogeochemical tracer distributions.
GDS code (Scientific Disciplinary Group) and SSD code (Scientific Disciplinary Sector)	PHYS-05/B GEOS-04/C
Principal investigator	Dott. Stefano Salon Dott. Gianpiero Cossarini
Tutor	Dott. Simone Spada
Location	Via Beirut, Trieste

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 12 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.

The research post holder shall be paid, for the entire duration of the contract, the remuneration defined by pay band 1, amounting to € 22.500,00 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) knowledge of OGSTM-BFM model;
- e) good programming skills in Fortran and Python;
- f) basic knowledge of parallel programming with MPI;
- g) 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;
- 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 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.

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 the submission number in the subject line (e.g. first name, surname – call for applications no. 15/2026 – 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) 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;
- 4) 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 – 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 before assessing qualifications, shall define the assessment criteria 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 relevance and significance of the candidate's academic background, previous research activities and any work experience;
- b) the relevance and quality of the publications produced in relation to the research programme and the activities covered by the post.

Selection is based on qualifications.

The Selection Panel has a total of 100 points, and the selection process is considered passed with a minimum score of 70 out of 100.

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.

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 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. 7 – 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.

Art. 8 – 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.

If a candidate is successful in more than one selection process, they must, within the same 15-day period following receipt decide on which post they wish to accept and inform OGS of their choice.

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

Art. 9 – 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. 10 – 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 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. 11 – 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

Art. 12 – 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. 13 – 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. 14 – 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.