



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

Borgo Grotta Gigante 42/c
34010 Sgonico (Trieste)
c. fisc./p.iva: 00055590327
tel. +39 040 21401
ogs@pec.it
www.ogs.it

Call 27/2022

Announcement of public selection based on qualifications and interview for no. 1 Professionalizing fellowship in the field of “Earth System Models”, by the research section “Oceanografia” – OCE of the National Institute of Oceanography and Applied Geophysics – OGS.

Description of the activities

The grant is funded by the High Performance Computing Training and Research for Earth Sciences (HPC-TRES) program and by other national and European projects awarded to researchers of the research group Dynamics of Ecosystems and Computational Oceanography (ECHO) of the Oceanography Section of OGS (<https://www.ogs.it/en/dynamics-ecosystems-and-computational-oceanography>).

The research activity consists in the use of Earth System models of different complexity, and is finalized to contribute to the following topics:

- “Simulations of behaviours, responses, and adaptive and evolutionary characteristics of marine ecosystems” (line A3 of the HPC-TRES scientific plan)
- “Development and optimisation of a Regional Earth System Model to estimate climate change impacts for the Euro-CORDEX and Med-CORDEX regions, including the development of a machine learning method for extreme events in the Mediterranean region” (line C6 of the HPC-TRES scientific plan)
- “Climate studies of natural drivers and anthropic pressures on Mediterranean Sea marine ecosystems” (line D1 of the HPC-TRES scientific plan)
- Interaction of physical-biogeochemical dynamics to model carbon cycle in the Mediterranean with particular reference to size spectra modeling
- High resolution modeling of physical and biogeochemical properties in coastal areas

Further details on the HPC-TRES scientific plan can be found at <https://www.ogs.it/en/high-performance-computing-laboratory-hpc-tres>.

Art. 1 – Vacancies and general part

A public selection based on qualifications and interview is open to award no. 1 Professionalizing fellowship, in the field of “*Quantitative approaches based on Earth System models and Data analysis methods to estimate climate change impacts on marine resources and ecosystems, marine spatial planning, and extreme events for the Mediterranean region*”, by the research section “Oceanografia” – OCE of the National Institute of Oceanography and Applied Geophysics – OGS.

SCIENTIFIC DISCIPLINARY SECTOR: - GEO/12 OCEANOGRAFIA E FISICA DELL’ATMOSFERA
 - FIS/06 FISICA PER IL SISTEMA TERRA E PER IL MEZZO CIRCUMTERRESTRE
 - BIO/07 ECOLOGIA

According to art. 22, paragraph 1 of the Law no. 240/2010, officials or permanent members of staff working for Italian Universities and Public Research Bodies (OGS included) are not eligible to take part in the selection and are therefore automatically excluded.

The research fellowship may not be combined with any other fellowships with the exception of those awarded by national or international institutions aimed at integrating the research activity of the grantees with stays abroad.

The research fellowship is compatible neither with the participation in degree courses, master’s degrees, fellowship PhD, in Italy or abroad, nor with fixed-term or permanent contracts, with the exception of unpaid leave from work.



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

OGS may not pay any additional payments to grantees.

This selection notice is available on the OGS institutional web page at <https://www.ogs.it/it/concorsi> together with all the information, news and notices referred to this Call.

Art. 2 – Duration and salary amount

The fellowship will have a duration of 12 months and may be renewed. On request by the scientific Tutor, the fellowship renewal may be proposed by the Director of the “Oceanografia” section to the OGS General Director. Even in the case of any possible renewals, the duration of the fellowship cannot exceed six years. The total duration of the fellowships also includes the fellowships implemented in other organizations or universities, with the exception of the time during which the fellowship overlapped a PhD course (not paid) to a maximum duration of the course itself.

The fellowship cannot be awarded to applicants who have already benefited from a fellowship, further renewals included, for a period of six years, with the exclusion of the above-mentioned paragraph.

In the case that the successful applicant has already benefited from fellowships for a period of less than six years, the annual research fellowship and/or its possible renewal shall be granted within the above-mentioned termination.

The gross annual salary of the research professionalizing fellowship, net for charges borne by OGS and including the social security contributions concerning the part borne by the grantee, is equal to € 21,000.00 and shall be paid in monthly instalments.

From the third year, the annual amount of the fellowship, net for charges borne by OGS and including the social security contributions concerning the part borne by the grantee, will be re-modulated for the total amount of € 23,000.00, when there is financial provision and subject to the positive evaluation of the research activities of the fellow by a Selection Board appointed by the Director of the Section/Department and consisting of the same Director of the Section/Department, the person in charge of the research project and an expert in the field.

The amount of the fellowship does not include any possible allowance for missions in Italy and abroad which may be deemed necessary for the implementation of the research activities connected to the fellowship. The mission allowance is determined in proportion to the allowance paid to the OGS staff belonging to the III professional level.

Fiscal and social security regulatory provisions in force are applied to all fellowships.

Art. 3 – Requirements

The requirements for the admission to the public selection are:

- Master’s Degree in Physics, Mathematics, Engineering, Computer Science, Biology, Environmental Sciences or related disciplines, obtained in accordance with the current Italian legislation prior to the Ministerial Decree no. 509/99 or master’s degree within Ministerial Decree no. 270/04 in all assimilated classes pursuant Interministerial Decree dated 9th July 2009 and according to the table annexed to the same Decree, obtained by Italian Universities or degrees issued by Universities abroad;
- Suitable scientific-professional curriculum vitae (post-graduate specialization courses, research activities at public or private institutions, fellowships, grants in Italy or abroad);
- Basic computer skills;
- Good knowledge of the English language.

Candidates who obtained a qualification abroad that has been declared equivalent by the Italian competent educational authorities or validated according to the rules in force (Art. 38 Legislative Decree 165/2001), are admitted to participate in the call.



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The candidate without such requisite at the date of the application shall submit a detailed documentation concerning his/her education in order to allow the Selection Board to evaluate the application limited to the present call for applicants.

The admission requirements must be fulfilled at the date of publication of this notice of recruitment.

Art. 4 – Application form: terms and conditions

The application for participation, drawn up according to the outline in Annex A), must be completed, signed and sent exclusively by personal Certified Electronic Mail (PEC), to the following PEC address: ogs@pec.it indicating in the subject line first name, last name, announcement no. xx/2022, profile...

Only and exclusively for foreign candidates and Italian citizens residing abroad, if not possible, the application to participate in the selection procedure may be sent by personal e-mail, to the following e-mail address: protocollo@ogs.it.

No other form of production or mode of sending the application is allowed, under penalty of exclusion.

The application must be received no later than **11:59 p.m.** on the closing date of this notice.

Communications pertaining to this procedure will be sent to the candidate's personal PEC address; non-delivery of communications is the direct responsibility of the candidate. OGS assumes no responsibility dependent on inaccurate information of contact details by the candidate(s) or failure or delay in communicating changes in the PEC and/or e-mail address.

The following documents, in .pdf format, must be attached to the application. If the established limit of 30 MB is exceeded for each individual PEC sent, repeated submissions must be made, taking care to also specify in the subject line the submission number (e.g. first name, last name - number/title announcement-submission no. X of Y).

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

In the application, the applicant must declare, under his/her own responsibility:

- surname and first name;
- place and date of birth;
- residence (street, house number, municipality, province, zip code);
- citizenship;
- that he/she has no criminal convictions, specifying, if not, which convictions he/she has had;
- that he/she holds the qualification required by this notice, specifying date, place of achievement, final grade;
- one's position regarding the holding of other research grants;
- to possess the additional requirements specified in art. 3 of this notice;
- the address elected for the purposes of the selection.

To the application the candidate should attach:

1. **the curriculum vitae et studiorum** (if possible in European format) **drafted in Italian or English, dated and signed, with a handwritten or digital signature by the candidate**; in the curriculum, the candidate shall indicate all the elements considered useful for the evaluation; at the bottom of the curriculum, **the following statements should be included**:
 - *"The information contained in this curriculum vitae is made under the personal responsibility of the undersigned in accordance with Articles 46 and 47 of Presidential Decree no. 445 of 28.12.2000, aware of the criminal responsibility provided for in Article*



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

76 of the same Presidential Decree no. 445 of 28.12.2000, for the hypotheses of falsity in deeds and false statements";

- *"I authorize the processing of my personal data in the curriculum vitae in accordance with Legislative Decree no. 196 of June 30, 2003 "Code on the protection of personal data" and Article 13 of the GDPR (EU Regulation 2016/679)".*

2. **titles and documents that he/she deems appropriate to submit** in his/her own interest for consideration by the Examining Board; titles and documents must be submitted by means of a declaration in lieu of certification or affidavit in accordance with Articles 46 and 47 of Presidential Decree No. 445 of December 28, 2000 (Attachment 2 or Attachment 3);
3. **photocopy of a valid identity document.**

Art. 5 – Exclusions

Candidates are admitted to the selection provisionally. The Human Resources Department has the faculty to exclude a candidate at any time in case of lack of the above-mentioned requirements by providing a valid justification.

Applicants will be notified of their exclusion from the selection procedure within 5 days from the exclusion provision.

Art. 6 – Selection Board

The Selection Board shall be appointed by the OGS General Director and shall be composed of three members, including the scientific Tutor.

The Selection Board may carry out the evaluation procedure with the aid of videoconference tools, ensuring in any case the complete communication security and traceability.

The session is open and closed by the President, who governs its execution and could suspend it in every moment, where necessary. The President has the duty of checking, before the start of the meeting, the participants' identity and assessing the presence of the required conditions of participation. These elements will be specified in the minutes, together with the indication of the technologies used by each member.

The Selection Board shall close the selection procedure within six months from the date of its first meeting. Should the Selection Board fail to respect this term, it shall collectively write a valid justification to the OGS General Director.

Art. 7 Evaluable qualifications, interview, and ranking list

The selection is based on qualifications and interview.

The Selection Board can assign up to 100 points, divided as follows:

- 30 points for the evaluation of the qualifications
- 70 points for the interview.

In order to pass the interview, the candidate should obtain a minimum score of 49/70.

QUALIFICATIONS (max 30 points out of 100)

The Selection Board preliminary adopts the criteria and the parameters to which it intends to apply, with specific reference to the characteristics of the research project.

The evaluating titles are:

- MSc degree
- PhD title
- PhD course or equivalent
- Post-graduate and specialization courses, both in Italy and abroad



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

- research activities in public or private organisations, including contracts, fellowships or assignments, both in Italy and abroad in the subject of the selected research open positions
- knowledge and use of the scientific programming languages
- publications on scientific journals and any other contributions to reports, documents and books in the subject of the selected research open position

In particular, a Ph.D. title, or an equivalent title obtained abroad, would be considered as an asset for the purpose of awarding the fellowship.

After the qualifications have been evaluated, the Selection Board makes a shortlist of applicants who will be invited to the interview.

The list of applicants admitted to the interview and details on date, time and place will be published at least 20 days prior on the website of OGS <https://www.ogs.it/it/concorsi>.

Such publication effectively constitutes an official notification.

INTERVIEW (max 70 points out of 100)

The interview may take place by means of videoconference call, ensuring anyway the adoption of technical solutions that guarantee the disclosure and transparency, the participant's identification, and the communication security.

The interview will focus on general themes related to the profile of the present Call, on the past experiences and the possible publications submitted. The interview could be held in English.

For the interview the candidates shall present a valid identification document.

The candidates who will not be present at the interview, or those who will not be connected in videoconference Call according to the indications given by OGS, should the interview take place this way, will be excluded from the competition.

In order to pass the interview, the candidate should obtain a minimum score of 49/70.

After completion of the interviews, the Selection Board prepares a ranking list, with all the final scores obtained by each candidate, in descending order.

Candidates ranking list is drawn up according to the overall votes each candidate received. In the case of candidates with the same score, the preference will be attributed to the younger candidate.

The ranking lists with the indication of the fellowship winner will be published by the President of the Selection Board on the OGS website at the following page: <https://www.ogs.it/it/concorsi>.

Such publication effectively constitutes an official notification.

Art. 8 – Ranking list approval and appointment of the fellowship winner

The OGS General Director, once verified the formal validity of the documents transmitted to the Selection Board, approves the ranking list and appoints the fellowship winner.

The ranking lists shall remain valid for 18 months after the date of approval.

In case of formal renunciation of the winner, or if the winner does not accept the fellowship within the prescribed period according to art. 9 of the present Call, the fellowship shall be awarded to the next eligible candidate in the ranking list.

The fellowships available following renunciation or resolution of the fellowship winner may be awarded to the candidates indicated in the ranking list within the limits of its duration.

Art. 9 – Awarding of the fellowship



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

The OGS General Director, in compliance with the current legislation on the matter, awards the research fellowship to the fellowship winner. The fellowship winner will be duly notified of the result and shall send an official declaration of acceptance of the fellowship within 15 days after acknowledgement of receipt of the notice. Once obtained the declaration of acceptance from the winner candidate, a contract between the OGS General Director and the fellowship winner is prepared and signed. This contract states the terms and conditions of the cooperation, together with the research activities to be carried out.

Concerning taxation all the regulatory provisions referred to art. 4 of the Law dated August 13 1984 no. 476 are applied to research fellowships and, in terms of social security, the applicable law is referred to art. 2, paragraphs 26 and following, Law no. 335 dated August 1995 and subsequent amendments; for maternity leave matters the applicable law refers to provisions as per Ministerial Decree dated July 12 2007, published on the Official Journal no. 247 dated October 23 2007 and for matters concerning sick leave, art. 1 paragraph 788 of Law no. 296 dated December 27 2006 and subsequent amendments. During the maternity leave, the allowance paid by the Italian Social Security Institute (INPS) with reference to art. 5 of the above-mentioned decree dated July 12, 2007, is integrated by OGS up to the total amount of the research fellowship.

Art. 10 – Implementation of the research activities

The activities of the fellowship holder are carried out in complete autonomy and with no scheduled working time, within the specific research programme and according to the guidance provided by the scientific tutor.

The scientific tutor must coordinate the activities of the fellowship holder together with those of other participants in the programme, by providing all the necessary indications for the implementation of the activity object of the collaboration.

The activity of the fellowship holder is never considered a status of employment.

Art. 11 – Fellowship obligations

The fellowship holder must carry out the commitments envisaged by the research programme prepared by the scientific tutor and under his/her supervision. At the end of the fellowship the holder must submit to OGS a final research report that includes the obtained results. The report must be approved by the tutor.

All technical, scientific, and administrative data and information gathered by the fellowship holder during the implementation of the activity shall be considered confidential, therefore, it is not allowed to use such information for purposes different than those for which the fellowship has been awarded.

Concerning the protection of the intellectual property of the results or products obtained on the performance of the activity of the fellowship please refer to OGS regulations on patents and protection of intellectual property.

Art. 12 – Personal data management

In accordance with Article 13 of the EU General Data Protection Regulation 2016/679 (GDPR), candidates are informed that their personal data, provided by applying to this selection or to this end collected by the National Institute of Oceanography and Applied Geophysics – OGS (from now on, “OGS” or “the Controller”) will be exclusively collected and treated by authorised individuals, Selection Board included, for purposes strictly connected to the selection procedure, with or without the aid of electronic tools, even in case of possible communication to third parties or diffusion (e.g. ranking list publication for transparency purposes). These treatments by OGS are legitimate as are necessary for the performance of contracts or of pre-contractual measures adopted upon request of the candidate, in compliance with a legal obligation to which OGS is subject, or for its own interest.

According to art. 15 et seq. of the above-mentioned Regulation 2016/679, the candidates have the right of access their personal data, the right of limitation and rectification, as well as the right of opposition and the right to delete their data, for legitimate reasons.

These rights may be exercised against the National Institute of Oceanography and Applied Geophysics – OGS (Data Controller) with head office in Borgo Grotta Gigante 42/c 34010 Sgonico (TS).



OGS

Istituto Nazionale
di Oceanografia
e di Geofisica
Sperimentale

In order to exercise the rights recognized by the Regulation 2016/679, or for any information related to the personal data treatment, it is possible to contact the Data Controller at the following e-mail address: privacy@ogs.it. The Data Protection Officer appointed by OGS can be contacted at the following e-mail address: dpo@ogs.it

Art. 13 – Responsible of the Proceedings

In accordance with art. 5 of the Law dated 7/08/1990 no. 241, the Responsible of the Proceedings is dr. Marzia Micottis - Human Resources Department: mmicottis@ogs.it

Art. 14 – Accessibility

This Call for individual fellowship will be posted on the OGS website, on the Call's website of MIUR and on the European Commission Internet portal Euraxess.

Art. 15 – Right of access

The right of access to the documents regarding this procedure may be exercised according to the indications of the Law dated 7/08/1990 no. 241 and subsequent amendments. For information on this matter, refer to the OGS Recruitment Office: concorsi@ogs.it

The requests of access will be published on the OGS website www.ogs.it, in the job's opportunities section dedicated to this selection. This publication fulfils the obligation of informing the persons concerned.

Art. 16 – Final Proceedings

Anything not envisaged by the articles of this Call shall be regulated by the OGS "*Assegni di Ricerca Rules and Regulations*" approved by the Board of Directors with Resolution n. 83 dated 15/06/2017.