



Research fellowship on *Development and application of a CGE model with segmented labour market and sub national description of the EU to study the macroeconomic impact of frictions in the inter sectoral re-allocation-skilling of the labour force* – Project PRIN: PRICE - PRoductivity and equity Implications of Climate change in Europe (Project code n. 2022XLX3FF), Responsabile Prof.ssa Enrica De Cian, CUP H53D23005070006 - Università Ca' Foscari Venezia (Italian law 30 December 2010, n.240, art. 22)

The present document in English is to be considered as a mere summary of the main provisions of the notice of competition which is available in Italian at the following link: <http://www.unive.it/data/12137/> The text in Italian is the official text of the notice of competition for all legal intents and purposes and, in the event of non-conformity with the present document, it shall prevail.

Description

The Department of *Economics* at Università Ca' Foscari Venezia invites applications for a fellowship in:

- **Title:**
Development and application of a CGE model with segmented labour market and sub national description of the EU to study the macroeconomic impact of frictions in the inter sectoral re-allocation-skilling of the labour force
- **Academic Discipline or disciplines specifically identified by the call:** SECS-P/06
- **Scientific coordinator and tutor:** Prof.ssa Enrica De Cian, Prof. Francesco Bosello
- **duration:** 12 months

Abstract:

The recruited candidate will work on developing and applying a Computable General Equilibrium (CGE) model featuring a segmented (high and low skilled workers) and regionalized (sub national possibly NUTS-2 level) labour market for the EU economy. Non-EU areas can be represented at a coarser resolution. The starting point for the work will be the multi-sector, multi-country, recursive-dynamic Intertemporal Computable Equilibrium System (ICES) model developed at the Euro-Mediterranean Center on Climate Change “at” Ca’ Foscari (CMCC@Ca’Foscari) institute. After setting up the model, which will also imply some activity of data search for tailoring the ICES database to the research purpose, the researcher will use the augmented model to assess the macroeconomic impacts of climate-change “shocks” and policies affecting labour productivity at the sectoral and regional level. The “shocks”, input information to the CGE analysis, will be provided by other research units collaborating to the research.

Who can apply

Prospective candidates are expected to hold a master’s degree in the subjects of the research, or related disciplines.



Ca' Foscari encourages applications from researchers with positive evaluation in all the criteria in individual proposals such as Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar.

Researchers having successfully completed Marie Skłodowska Curie Actions - Individual Fellowships/ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) or similar funded projects are warmly encouraged to apply.

Favoured headlines

- PhD related to the research activities described in the abstract;
- the completion of attendance at a doctoral course while awaiting conferment of the degree and with the subject of the Announcement.
 - Ph.D. and completion of attendance at a doctoral program, while awaiting conferral of the title, in *economics* are preferred over other doctoral degrees
- PhD in economics, proven past research activity in the academia or research institutes, post-doc scholarship e.g. Marie Curie or ERC grants
- A minimum of 2 years' experience in the application of CGE modeling and soft-linking methodologies used in integrated approach exercises for the economic assessment of climate change impacts
- knowledge of GEMPACK and/or GAMS software

Duration of contract: 12 months (approximately starting on November 2023).

Stipend: The research fellowship amounts to **Euro 21.888,34**=per year, gross to the recipient, net of the expenses to be sustained by the Provider. The amount may be subject to adjustment in the event of variations in the law.

Deadline for submission of applications: by and no later than 2023.10.12, h. 12:00 noon – local time.

If the deadline is on Saturday or on holidays, the deadline is extended to the first working day thereafter.

How to apply:

Candidates should submit:

1. The application form;
2. A motivation letter (max 1 page) along with their CV in European format, duly dated and signed, both to enclosed as a one single.pdf file. (<http://www.unive.it/pag/28830>)
3. A copy of a valid identity document (either Identity Card or Passport);
4. If available, Evaluation Summary Reports of Marie Skłodowska Curie Actions - Individual Fellowships/ ERC Starting Grants/FIRB (Italian Fund for basic research investments)/SIR (Scientific Young Independence Research) individual proposals having passed all the evaluation thresholds;
5. Master's Degree or Old Master's Degree or equivalent foreign qualification;
6. If available, Doctoral degree;
7. Declaration on availability to held the interview in remote (<https://www.unive.it/pag/28830>) to



be send via email at the following address: simar@unive.it:

8. (If available) Details of Marie Skłodowska Curie Actions - Individual Fellowships, ERC Starting Grants, FIRB (Italian Fund for basic research investments)/ SIR Scientific Young Independence Research funded projects;
9. All documents, qualifications and publications relevant for the selection procedure (please, see the notice <http://www.unive.it/data/28825/>).

All the schemes of the quoted documentation are available on the website <http://www.unive.it/pag/28830>.

How to submit your application

Applications should be submitted by the online procedure, available on the notice webpage <http://www.unive.it/data/28825/>

Or submit here:

<https://apps.unive.it/domandeconcorso-en/accesso/dec-decianprin22-27092023>

The candidate, after the uploading, will receive a submission number and an e-mail acknowledging receipt of his/her application.

The candidate if necessary could access the procedures for updating any data and materials by the link provided by the e-mail, in any case any updates must be made no later than the deadline **2023.10.12, h. 12:00 noon – local time.**

If the deadline is on Saturday or on holidays, the deadline is extended to the first working day thereafter.

Please note that the University can be contacted for any support needs by the candidate until 24 hours prior to the deadline.

Please note that in case of an high number of applications and / or weight of the materials loaded by the candidates the system might become slower, Therefore it is suggested not to start the process close to the deadline.

NB: the University does not take on responsibility for wrong or late communication of addresses, nor for any communication problem not depending on the University.

Evaluation

Up to 100 points, specifically:

For qualifications, publications and possible tests, from 0 to 60;

For interview, from 0 to 40.

Selection procedure

The interview will be on **2023.10.18, at 09.00 AM.**



The short-list of the candidates admitted to the interview, or any postponement, will be published on the University's webpage on **2023.10.16** (<http://www.unive.it/data/28899/>).

The interview will be held in remote only. Further details on how to connect online will be published alongside the convocation notice.

The **interview** will take place in English and it will focus on the following topics:

- Knowledge, development and application of CGE modelling,
- expertise in the use of software packages and programming languages dedicated to the development of CGE modelling like GEMPACK or GAMS, application of CGE modelling to the economic assessment of climate change impacts and policies, modelling of labour market with rigidities.

Modalities for monitoring and evaluating the activity carried out by check holders

At the end of the period of duration of the grant and in any case at the end of each year, in the case of multi-year grants, the researcher is required to submit to the structure a written report on the research activity carried out.

At the end of the research activity, the researcher must provide the department with the following scientific products that define a "minimum standard of result":

- Final product of the research activity (technical report) describing
 - a) the methodological, modelling developments leading to the implementation in a CGE model of a segmented labour market (featuring high and low skilled workers) and frictions in the intersectoral mobility of the labour force;
 - b) the outcomes stemming from the application of this enhanced model to the assessment of climate change impacts on labour productivity with and without mitigation and adaptation policies.

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following webpage <http://www.unive.it/data/28825/>

For further information please contact: Segreteria Amministrativa del Dipartimento di Economia, phone number: 041-2349173; e-mail: simar@unive.it