Università Ca'Foscari Venezia

Call for a Research fellowship on *Network models of biodiversity-related financial risk* - Università Ca' Foscari Venezia (Italian law 30 December 2010, n.240, art. 22 and subsequent amendments and additions), Project: Nature-3B: Including Naturein decision making of central Banks, investment Benchmarks & Bond issuers Call: HORIZON-CL6-2024-BIODIV-01 Grant Agreement n. 101182455 CUP: H73C24001610006. Call issued by Ca' Foscari University of Venice

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.

The Department of *Economics* at Università Ca' Foscari Venezia invites applications for one fellowship

Title*: *Network models of biodiversity-related financial risk;

- **funding** – Nature-3B: Including Naturein decision making of central Banks, investment Benchmarks & Bond issuers Call: HORIZON-CL6-2024-BIODIV-01 Grant Agreement n. 101182455 CUP: H73C24001610006, Responsible Prof. Stefano Battiston;
- **SSD**: ECON-02/A
- **GSD:** 13/ECON-02
- **Duration***:* 24 months - approximately starting: February 2025.
- **Stipend**: The research fellowship amounts to **Euro 36.480,57.=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
- **scientific coordinators and tutor**: Prof. Stefano Battiston

Abstract:

The position consists in responsabilities in conducting research and timely management of selected tasks within the EU project Nature 3B under the supervision of Prof. Battiston. The specific field of research is biodiversity-related financial risks. The researcher is expected to develop an extensive database of corporate risks related to ecosystems worldwide, using state-of-art techniques for data collection and management of relational and graph databases. Further, the researcher is expected to develop innovative methodologies for biodiversity stress-testing of financial portfolios, utilising financial network models of contagion and building on previous work of Prof. Battiston on network models of climate-related financial risk. The stress test work will estimate individual and systemic financial risks stemming from biodiversity-related risks, based on scenarios generated by partners of the Nature3B consortium. Finally the work includes the preparation and timely submission of reports to the project coordinator and the interaction with the partners of the consortium

Deadline for submission of applications: by and no later than <u>2025-01-13, h. 12:00 noon – local time</u>.

WARNING: Please note that the University is closed for the Christmas period from 2024.12.24 to 2025.01.06. We strongly recommend that you DO NOT send applications for participation that must be received during the closing period indicated.

Who can apply

Prospective candidates are expected to hold a master's degree in *quantitative subjects including Economics, Statistics, Physics, Engineering, Environmental Sciences*.

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.

Favourite headlines

- holding a PhD in *quantitative subjects including Economics, Statistics, Physics, Engineering, Environmental Sciences*;
- having completed the attendance of a PhD programme in *quantitative subjects including Economics, Statistics, Physics, Engineering, Environmental Sciences*, although not having yet obtained the PhD title
- proven experience in database management (relational and non-relational);
- publications on financial network models
- proven expertise in the field of risks related to ecosystem degradation;
- specialization diplomas and certificates of attendance at postgraduate specialization courses, obtained both in Italy and abroad, the performance of documented research activities at public and private entities with contracts, scholarships or assignments both in Italy and abroad;
- other titles

Interview Topics

- Publications and experience of the candidate relevant to the project.

- Publications to be provided by the committee shortly after the call for papers as a basis for discussion

English knowledge will be evaluated during the interview

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. If available, Doctoral degree in *quantitative subjects including Economics, Statistics, Physics, Engineering, Environmental Sciences*;
6. 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:
7. 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;
8. 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.

Incomplete applications will be rejected

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-battiston3b-13122024

by inserting their Italian Tax Code. Foreign citizens not yet in possesion of the Italian Tax Code can use the following link https://apps.unive.it/utils/cf to obtain a temporary one and be able to proceed with the request

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 **2025-01-13, 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:

- The candidate can contact the University for any support until 24 hours prior to the deadline.
- 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;
- 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 held in remote only. Further details on how to connect online will published on the web page alongside the convocation notice.

The interview will take place telematically on **2025-01-20, from 10.00 AM.**

The short-list of the candidates admitted to the interview and the exact date of the interview, or any postponement, will be published on the University's webpage on **2025-01-17** (http://www.unive.it/data/28899/).

Scientific products

The research fellow, at the end of his/her activity must also provide the department with the following scientific products:

-Report on the work carried out, in particular the collection of contributions to the periodic reports of the European project;

- Publications obtained;

- Structured documentation of the databases developed during the project and an operational manual for their use.

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.i