Università Ca'Foscari Venezia
Dipartimento di Scienze Ambientali, Informatica e Statistica

Dipartimento di Scienze Ambientali, Informatica e Statistica
Università Ca' Foscari Venezia
Campus Scientifico – Via Torino 155, 30170 Mestre (VE)
P.IVA 00816350276 - CF 80007720271
www.unive.it/dais

Research fellowship on Methodological approaches for multi-risk appraisal of climate related impacts on the Venice Lagoon - 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) 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 Environmental Sciences, Informatics and Statistics at Università Ca' Foscari Venezia invites applications for a fellowship in:

Title: Methodological approaches for multi-risk appraisal of climate related impacts on the Venice Lagoon

SSD: Environmental Chemistry and Chemistry for Cultural Heritage CHIM12

Tutor: Prof. Andrea Critto
Duration: 12 months
Abstract: The research activity aims at developing a multidisciplinary approach for the integrated analysis of climate change related impacts in the Venice lagoon. The approach will integrate different types of data (e.g. climate projections, chemical-physical, biogeochemical, geomorphological data) available by previous research projects and as a result of the experimental and modelling activities carried out by the project partners of Venezia2021. The resulting output will represent useful information for the development and implementation of the climate change adaptation plan of the Venice Lagoon.

The research may be carried out in English.
The fellowship is intended to provide the successful candidate with the opportunity to pursue his/her own research while benefiting from the range of expertise at Università Ca' Foscari Venezia.

Who can apply

Prospective candidates are expected to hold a master's **degree in Environmental Engineering**.
It is also required:

- Experience in data compilation and handling;
- Proficiency in the use of GIS software (e.g. ArcGis, QGis) and R or/ and Python for spatio-temporal data compilation and handling;
- Experience in applying Machine learning-based Bayesian Belief Networks for multi-scenarios' analysis would be an asset;
- Excellent communication and writing skills in English;
- Proven track record in publishing scientific results;
- Work experience in interdisciplinary research teams.

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.

Duration of contract: 12 months approximately starting: **November/December 2020.**

Stipend: The research fellowship amounts to **23.367,00** Euros per year, including taxes and social charges.

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Deadline for submission of applications: 16/11/2020 h 12.00 Central European Summer Time.

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. (link)
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) 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;

6. Declaration on availability to held the interview in remote (Link) to be send via email at the following address: roxi@unive.it
7. All documents, qualifications and publications relevant for the selection procedure (please, see the notice link).

All the schemes of the quoted documentation are available on the website (link).

How to submit your application

Applications should be submitted by the online procedure, available on the notice webpage (link)
   Or submit here:
Link: https://apps.unive.it/domandeconcorso-en/accesso/dais2020crittonovembre

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 **16/11/2020 h. 12.00 Central European Summer Time.**

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

Short-listed candidates will be invited for interview on **19/11/2020 h. 14,30** Central European Summer Time. The interview will be held in remote only. Further details on how to connect online will be published alongside the convocation notice on **17/11/2020** (link).

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The interview:

The interview questions will cover:
- Methods and approaches for the assessment of environmental impacts induced by climate change, with a specific focus to coastal environments;
- Methodologies for multi-risk assessment related to potential climate change and adaptation scenarios;
- Methods and software for the design and training of Bayesian Belief Networks applied to multi-scenarios' analysis.
- Good knowledge of English

Information and contacts

Candidates may find further details about the application process and the research project in the official call published on the following (link)
For further information please contact Prof. Andrea Critto – critto@unive.it

Venice,

The head of the Department of
Scienze Ambientali, Informatica e Statistica
Prof. Salvatore Orlando

Digitally signed