Research fellowship on: Methods and tools for the implementation and assessment of circular economy at the micro-level of companies and organizations in China - 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 post-doc fellowship in:

**TITLE**: Methods and tools for the implementation and assessment of circular economy at the micro-level of companies and organizations in China.

**SSD**: Environmental & Cultural Heritage Chemistry CHIM/12

**Tutor**: Prof. Andrea Critto

**Abstract**: Over the last years the world has witnessed growing attention towards the concept of Circular Economy (CE). The CE can be defined as “a regenerative system in which resource input and waste, emission, and energy leakage are minimized by slowing, closing, and narrowing material and energy loops. This can be achieved through long-lasting design, maintenance, repair, reuse, remanufacturing, refurbishing, and recycling”. The growing interest of CE is indicated by the rapid growth of peer-reviewed articles, the number of reports and whitepapers published by the major consulting firms and the newly adopted policies and strategies of many countries and supranational organizations. In particular, China defines the CE as “a general term for the activity of reducing, reusing and recycling in production, circulation and consumption”, which embodies the core principle of the 3Rs (reduce, reuse, recycle).

CE has become a hot topic for companies and organizations, which are currently experiencing an ever-increasing pressure in sustainability issues. The needed transition towards circular flows has the potential to reach a sustainable form of development but will require substantial changes at the micro-level of companies and organizations.

It is therefore fundamental for companies and organizations to identify existing legitimate tools able to support them in effectively implementing the principles of CE, choosing and prioritizing the best strategies, and measuring and validating the effectiveness of their efforts in transitioning from a linear to circular model.

The general objective of this research project is to improve the knowledge related on how to foster and measure the implementation of CE principles at the micro-level of companies and organizations through the lens of an extensive and systematic literature review of available tools and the selection and application of a selected number of tools to test their effectiveness in an existing case study of the Chinese context. Systematically identifying, categorizing and assessing these tools can be beneficial for managers, designers and engineers that are committed to better manage their resources and align their company’s processes, products and services to the principles of CE. Moreover, it will allow to identify the connections, overlaps and possible integrations with the sustainability tools and key performance indicators that are already widely
implemented (e.g. environmental management systems, environmental and social accountability, sustainability indicators, etc.). This will permit companies to evaluate and consider the most relevant actions to be taken in terms of both sustainability and circularity.

Who can apply

Prospective candidates are expected to hold a master's degree in Environmental Science 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 by 30/09/2018 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: January/February 2019

Stipend: The research fellowship amounts to Euros 19.367,00 per year, including taxes and social charges.

Deadline for submission of applications: 23/01/2019, 12.00 noon

How to apply:

Candidates should submit:
1. The application form
2. A CV in European format, duly dated and signed;
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. All documents, qualifications and publications relevant for the selection procedure (please, see the notice [link]).
7. activity as IT security consultant or analyst.

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://static.unive.it/domandeconcorso-en/accesso/dais3992019cittocina
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 23/01/2019, 12.00 noon.

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 a 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.

**In addition to the publications, the following qualifications are considered as evaluation criteria:**

a. holding a PhD
b. having completed the attendance of a PhD programme, although not having yet obtained the PhD title
c. specialisation diplomas and attendance certificates at post-graduate specialisation courses, obtained both in Italy or abroad, documented research activity in public and private organisations with contracts, study grants or assignments both in Italy and abroad;

d. In-depth knowledge of sustainability, environmental management and circular economy principles and tools at the level of companies and organizations;
e. Participation in related research projects in China and knowledge of the related environmental and business environment;
f. Excellent knowledge of English and Italian. Basic knowledge of Chinese will be considered.

**Selection procedure**

The interview will be held in any case on 25/01/2019, h. 10.00 a.m. (Rome CET), at the Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice, - Scientific Center, Alfa Building 7 floor - Prof. Antonio Marcomini office, Via Torino, 155 – Mestre (Venice).

The short-list of the candidates admitted to the interview will be available on 25/01/2019 at the office of Prof. Antonio Marcomini. Any postponement, will be published on the University’s webpage (link).

Candidates will be required to demonstrate the following skills, knowledge and expertise:
The interview:

- Existing and new tools for sustainability and environmental management of companies.
- Situation of corporate environmental management in the Chinese context.
- Tools and Methods to manage and assess the circularity of companies and organizations.
- Good knowledge of English;
- Good knowledge of Italian (in case of foreign candidates).

Candidates living farther than 200 Kms from Venice may ask to hold a telematic interview.

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

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Venice, 08/01/2019

Il Direttore del Dipartimento di
Scienze Ambientali, Informatica e Statistica
Prof. Antonio Marcomini