

## ANNOUNCEMENT FOR THE PROVISION OF A WORKPLACE

# VAC-2019-57 – Severo Ochoa PostDoc Trainee Position in Risk and Resilience Group

CIMNE is a research centre, created in 1987 by consortium between the Catalan Government and the Technical University of Catalunya, devoted to the development and application of numerical methods to a wide range of areas in engineering. CIMNE has been accredited as a Severo Ochoa Centre of Excellence for the period 2019-2023. This is the highest level of recognition of excellence and leadership awarded to a research centre in Spain.

CIMNE is offering a research position that will be funded by the Severo Ochoa Programme.

## Position details

**Number of vacancies:** 1

**Category:** Post Doc Trainee (PDOC2)

**Workplace:** Barcelona

**Salary (gross):** 31.289,84 EUR

**Weekly working hours:** Full time

**Duration:** 2 years

## Functions to be developed:

CIMNE is looking for a **Postdoc Trainee** to be part of the Research and Technical Development (RTD) Group on “Risk and Resilience Group”.

The Risk and Resilience Group made important contributions to seismic vulnerability and risk studies in Spain, Europe and Latin-America. In this sense, the developments performed by its researchers on the vulnerability and risk framework and on the holistic risk approach, as well as on the development and use of risk indicators and indices or on the development of urban risk scenarios are well known in the scientific community. More recently, contributions have been made in the fields of the multi-hazard and risk probabilistic modelling, the economic evaluations for risk transfer and financial protection, among others.

The group has been involved in European and Spanish RTD projects in the disaster risk assessment field. The team also participates in important projects in the field of disaster risk assessment and management (due to several natural hazards) funded by the World Bank, the Inter-American Development Bank and the UN Office for Disaster Risk Reduction (UN-DRR, former UN-ISDR).

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The functions assigned to the candidate will be:

- Plan and conduct high quality research under the supervision of Dr. Martha Liliana Carreño
- Collaborate with various research groups across Europe and elsewhere
- Document and disseminate the research results within CIMNE and externally
- Publish in high impact journals (a minimum of 2 papers/year is envisaged)
- Participate in research projects and contracts with industry of interest to the RTD Group
- Collaborate in the preparation of competitive RTD research proposals

### Requirements

- Having obtained a PhD degree in Earthquake engineering, Civil engineering, Disaster risk evaluation or disaster risk management related.
- Good publication record (a minimum of 6 papers published in indexed journals)
- Good knowledge of English, both written and spoken.
- Experience (at least 2 years) on catastrophe risk modelling, specialized in seismic hazard and risk assessments. Experience on development of multi-hazard risk assessments with probabilistic approach. Interested on disaster risk assessment and on applied research about risk assessment, disaster risk management and mitigation, financial protection strategies.
- Good knowledge on disaster risk evaluation techniques based on deterministic and probabilistic approaches.

### Other valued skills

- Previous research and/or academic experience in the field of the position
- Disaster risk modelling skills
- English and Spanish language skills
- Good communication/Teaching skills
- Risk indicators development skills.
- Geographic information systems skills

### Evaluation procedure

The requirements and merits will be evaluated with a maximum mark of 100 points. Such maximum mark will be obtained by summing up the points obtained in the following items:

- Publication and career track (40%)
- Previous research and academic experience in the field of the position (20%)
- Disaster risk modelling skills (20%)
- Language skills (10%)

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- Communication/Teaching skills (10%)

### How to apply

Candidates must complete the "[Application Form](#)" on CIMNE website, indicating the reference of the vacancy and attaching the following documents:

- Curriculum vitae, including Researcher's ID or ORCID No.
- A motivation letter.
- Academic transcripts from all Undergraduate, MSc and PhD degrees.
- At least two reference letters.

The deadline for registration to the offer ends on **January 31, 2020 at 12:00 noon**.

Applications will be reviewed by the CIMNE Severo Ochoa selection committee. The shortlisted candidates may be called for an interview and must send to [seleccio@cimne.upc.edu](mailto:seleccio@cimne.upc.edu) the proving documentation of the requirements and merits, if not already submitted during the application phase.

*CIMNE is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.*

*CIMNE has been awarded the HRS4R label.*