

## TEMPLATE FOR ADVERTISING RESEARCH POSTS

based on indications given by par. 4.4.1 of the  
"Report of the Working Group of the Steering Group of Human Resources Management under the  
European Research Area on Open, Transparent and Merit-based Recruitment of Researchers"

**Recruiting Department/Research Unit:** Department of Economics and Law

**Title:** Economic policy analysis in an agent-based macroeconomic model

### Offer description:

The scholar will have to modify a preexisting model or develop a new heterogeneous agent-based model (ABM) that represents a macroeconomic system within which households, firms, banks, a government and a central bank operate. This model will then be used as a laboratory for economic policy experiments, such as designing subsidies for households or firms to stimulate the economy, or macroprudential policies aimed at making the economy more environmentally sustainable and less exposed to physical and transition risks due to climate change (e.g., by implementing the "Sectoral systemic risk buffer" or the "Concentration threshold").

### Researcher career profile:

- *R1 First Stage Researcher (up to the completion of PhD)*

For further details <https://euraxess.ec.europa.eu/europe/career-development/training-researchers/research-profiles-descriptors>

**Location:** Macerata, Italy

### Type of contract:

- *temporary*

### Job status

- *full time*

**Expected start date and duration of the contract:** 10 (ten) months. The exact start date will be provided after the selection process.

**Annual gross salary:** 12.000€

**Selection criteria:** Master's degree in Economics

### Preferential selection criteria:

1. PhD in Political Economy or Economic Policy.
2. Proven research experience in the subject area of the call and, in particular, previous experience in the construction of models with heterogeneous agents, especially in the macroeconomic field.
3. Good knowledge of the English language.
4. Thorough knowledge and ability to use one or more programming languages and, in particular, Matlab.

**Application deadline:** 01/07/2025 1 p.m.

**Full details are available at:** <https://www.unimc.it/it/ateneo/bandi-e-concorsi/finanziamenti-ricerca/bandi-assegni-ricerca>

**Enquiries can be made to** Ufficio Ricerca Scientifica e Dottorato – [ufficio.ricerca@unimc.it](mailto:ufficio.ricerca@unimc.it)

## **DISCLAIMERS**

- The University of Macerata has adopted an OTM-R (Open, Transparent and merit-based Recruitment) policy within the framework of its Human Resources Strategy for Researchers; see <https://www.unimc.it/it/ricerca/hrs4r/la-policy-otm-r-open-transparent-and-merit-based-recruitment-of-researchers>
- The University of Macerata pursues an equal opportunities and diversity policy as well. Among facilities, a kindergarten is available for university's employees. Specific facilities and services are also dedicated to employees with disabilities (transportation services, specific technologies for studying).