ORGANISATION
FOR ECONOMIC
CO-OPERATION
AND DEVELOPMENT

ORGANISATION DE
COOPÉRATION ET
DE DÉVELOPPEMENT
ÉCONOMIQUES

Economic Modeller

Grade A1

Job Opening number: 14332

Directorate for Employment, Labour and Social Affairs / Health Division

Vacancy closing date: 05/05/2021

The Organisation for Economic Co-operation and Development (OECD) is an international organisation comprised of 37 member countries that works to build better policies for better lives. Our mission is to promote policies that will improve the economic and social well-being of people around the world. Together with governments, policy makers and citizens, we work on establishing evidence-based international standards, and finding solutions to a range of social, economic and environmental challenges. From improving economic performance and creating jobs to fostering strong education and fighting international tax evasion, we provide a unique forum and knowledge hub for data and analysis, exchange of experiences, best-practice sharing, and advice on public policies and international standard-setting.

The OECD Health Division, part of the Directorate for Employment, Labour and Social Affairs (ELS) is looking for one economic modeller that will contribute to the development of microsimulation and agent-based modelling platforms. The selected candidate will join the public health team to work on projects on chronic diseases and infectious diseases. The successful candidate will have previous experience in coordinating complex modelling efforts, with previous work on health and public health projects being an additional asset. Strong C++ object-oriented coding and system design experience (or equivalent experience in Java or in any other object-oriented language) and an interest in scientific research will also be required. The selected candidate will also have an ability to translate policy questions into the design of models and ability to interpret the results of such models into policy relevant terms.

Main Responsibilities

- Coordinate technical aspects related to the development of microsimulation and agent-based platforms including the design of future developments, based on a modular system, and the development of C++ code;
- Ensure consistency across projects and team members in operations related to data management (e.g. preparation of inputs to the model and the management of outputs to produce tables and figures);
- Ensure the implementation of actions and best practices to maximize synergies across the various modelling-based projects.
- Take part in the analysis of the outputs of the modelling work and help draft analytic, statistical and policy-relevant reports;
- Help maintain a clear and analytically rigorous frameworks for all the modelling-based analyses;
- Draft sections of reports based on modelling work, describing the methodological approach used to carry out the analyses and explaining the implications of the results for policy;
- Ensure that the documentation of the platforms and newly developed code meet the highest qualitative standards.
- Act as the main liaison for technical issues related to the modelling platforms with other members of the team as well as technical staff and analysts in countries and in other OECD Directorates;
- Present research findings, and represent the Organisation in seminars and conferences in Paris and abroad. Participate to discussions and animate expert groups;
- Contribute to fundraising efforts where possible and appropriate.

Candidate profile

Academic Background
- An advanced university degree in mathematics, statistics, natural sciences, engineering, social sciences, computer science or another relevant discipline is required;
- Additional and/or relevant work experience may be accepted in lieu of the advanced university degree.

Professional Background
- A minimum of three years of experience in similar roles, acquired in a national administration, international organisation, university or research centre;
- Knowledge of C++ object-oriented coding and system design experience, or equivalent experience in Java or in any other object-oriented language;
- Experience in supervising and contributing to complex modelling efforts involving other team members;
- Knowledge of health economics or public health would be an asset;
- Good interpersonal skills, including the ability to maintain harmonious working relations with staff at all levels in a multicultural environment is essential;
- Proven ability to draft reports as shown by research and publications.

Languages
- Fluency in one of the two OECD official languages (English and French) and knowledge of the other, with a commitment to reach a good working level;
- Knowledge of other languages would be an asset.

Selection Process
- For retained candidates, written tests/video-recorded interviews are foreseen in June and panel interviews are planned for July.

Contract Duration
- 13 months fixed term, with the possibility of renewal.

What the OECD offers
- Monthly base salary starting from 4 850.12 EUR, plus allowances based on eligibility, exempt of French income tax.
- Please note that the appointment may be made at a lower grade based on the qualifications and professional experience of the selected applicant.
- Click here to learn more about what we offer and why the OECD is a great place to work.
- Click here to browse our People Management Guidebook and learn more about all aspects relating to people at the OECD, our workplace environment and many other policies supporting staff in their daily life.

The OECD is an equal opportunity employer and welcomes the applications of all qualified candidates who are nationals of OECD member countries, irrespective of their racial or ethnic origin, opinions or beliefs, gender, sexual orientation, health or disabilities.

The OECD promotes an optimal use of resources in order to improve its efficiency and effectiveness. Staff members are encouraged to actively contribute to this goal.

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