



*The Organisation for Economic Co-operation and Development ([OECD](#)) is an international organisation comprised of 38 member countries that works to build better policies for better lives. Its mission is to promote policies that will improve the economic and social well-being of people around the world. The OECD advises governments by preparing evidence-based analysis (including the development and dissemination of internationally comparable databases), providing recommendations for public policy-making and, by providing platforms for discussions among government officials from its member and partner countries.*

*The Directorate for Science, Technology and Innovation (STI), in line with the strategic objectives of the Secretary-General, helps OECD member countries and other key economies build an environment conducive to translating science, technology and knowledge into innovation in order to create economic and social value added.*

*The Productivity, Innovation and Entrepreneurship (PIE) Division of the STI is responsible for comparative analyses of the microeconomic drivers of economic growth, productivity, business dynamism and innovation, as well as the ways in which these are affected by globalisation, the digital and green transformations, and structural change.*

*The OECD is looking for highly motivated candidates with excellent quantitative skills, knowledge of international economic statistics and excellent interpersonal skills to fill internship or consultancy positions.*

Candidates can work either on site or remotely in France or abroad, depending on contract, the agreement with the supervisor and on the evolution of the health situation. The position will also provide access to a variety of professional training opportunities.

## Development of global input-output databases and GVC analyses

The *Industry Dynamics and Globalisation Unit* in the PIE Division is looking for a candidate to support measurement and analytical work related to industry dynamics and Global Value Chains (GVCs).

Well-designed indicators of Trade in Value Added (TiVA) can provide valuable insights into the integration of countries and industries in global or regional value chains, describing where value added is created along production chains and where the goods and services that are produced are ultimately consumed. TiVA thereby provides policy-relevant insights into, for example, the importance of imports for export success and the upstream role of services in global value chains. At the OECD, the production of TiVA and related indicators rely on Inter-Country Input-Output (ICIO) tables that provide annual estimates of inter-country, inter-industry flows of intermediate and final goods and services, within and across economies. The work on TiVA indicators, and other metrics related to GVCs, has contributed to important new insights into the economic, environmental, and social impacts of global production activities. See <http://oe.cd/tiva> and <http://oe.cd/icio>.

The candidate would support a small team to work on the ICIO infrastructure and associated key databases (e.g. the STAN database: <http://oe.cd/stan>), the development of GVC indicators and contribute to related analyses. While working on the construction of internationally comparable databases and conducting economic analyses, the candidate would learn about the uses,

interpretation, and limitations of derived indicators. The candidate could also focus on one or two analytical areas, to be determined in consultation with the Head of Unit and Head of Division. For example, the propagation of economic shocks in GVCs; employment and GVCs; the impact of GVCs on the environment (e.g. climate change) and society (e.g. responsible business conduct); and the structure of international supply chain networks.

The candidate would work under the supervision of economists and statisticians, under the responsibility of the Head of the Division, and would collaborate with other teams in the division and across the OECD.

### **Main responsibilities**

- Undertake statistical work associated with the development and update of the ICIO framework and related databases and collections of indicators;
- Carry out empirical analysis, e.g. prepare graphs, tables, other descriptive and econometric analyses according to the needs of the Division;
- Contribute to drafting research papers, policy reports, presentations and other relevant outputs;
- Review academic and policy research in certain areas of interest (see above).
- Present the work to policy audiences

### **Ideal candidate profile**

- Recent graduate or currently enrolled in an advanced university degree in economics, econometrics, statistics, applied mathematics or another relevant field of study, with a strong foundation in quantitative analysis and statistical methods;
- Excellent knowledge of R and/or MATLAB and good knowledge of STATA;
- Experience with handling very large datasets, including data validation techniques;
- Strong analytical abilities in the use of statistical and econometric tools to address policy-relevant issues;
- A very good knowledge of, and keen interest in, input-output analyses would be a strong advantage;
- Good knowledge of national economic statistics, such as National Accounts, Supply and Use Tables, industry and international trade statistics (and related classifications and taxonomies) would also be a strong advantage;
- Very good drafting and presentation skills in English and/or French.

### **Languages**

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

### **Possible positions and duration**

- Internship: 12 months (only if enrolled *full-time* in an advanced degree course);
- Consultancy: 1 year, with the possibility to continue in case of mutual interest;
- Temporary Contract: 12 months with the possibility to continue for another 12 months in case of mutual interest;
- Secondment: 12 months with the possibility to continue for another 12 months in case of mutual interest.

Interested candidates should send their CV and cover letter to Colin Webb ([colin.webb@oecd.org](mailto:colin.webb@oecd.org)), Norihiko Yamano ([norihiko.yamano@oecd.org](mailto:norihiko.yamano@oecd.org)) and Chiara Criscuolo ([chiara.criscuolo@oecd.org](mailto:chiara.criscuolo@oecd.org)).