



PARIS SCHOOL OF ECONOMICS
ÉCOLE D'ÉCONOMIE DE PARIS

Paris School of Economics

Paris School of Economics (PSE) is a French research institute of international standing in economics, at the forefront in many different economic domains. It currently includes more than 140 faculty members, 200 master students and 180 PhD students in residence. The School is engaged in a novel project to participate in both the elaboration of sophisticated tools of economic analysis, and their application to policy at both the public and private level. Research at the PSE covers an exceptionally wide range of themes, including macroeconomic and financial processes, international trade, work and employment, game theory, development economics, decision theory, health, economic history and the economics of happiness.

EURHISFIRM project

EURHISFIRM aims at developing a research infrastructure to connect, collect, collate, align, and share reliable long-run company-level data for Europe to enable researchers, policymakers and other stakeholders to analyze, develop, and evaluate effective strategies to promote investment and economic growth. To achieve this goal, EURHISFIRM develops innovative tools to spark a “Big data” revolution in the historical social sciences and to open access to cultural heritage

EURHISFIRM is a project funded by the European Commission within the Infrastructure Development Program of Horizon 2020. The goal of the Program is to develop world-class research infrastructures lasting for decades (https://ec.europa.eu/research/infrastructures/index_en.cfm?pg=home). Research infrastructures are facilities, resources and services used by the science community to foster innovation and extend the frontiers of knowledge.

The first phase of the Infrastructure Development Program lasts for three years. It aims at developing an in-depth design study of the Research Infrastructure. After this phase, Development and Consolidation Phases follow if further applications will be successful. EURHISFIRM brings together eleven research institutions in economics, history, information technologies and data science from seven European countries¹

Position to be filled

Position: Research Engineer in charge of the conception of databases and data warehouse of long term financial data – EURHISFIRM European project

Time commitment: Full-time

Duration of the contract: April 1st 2018 – October 2019

Supervisor: Prof. Angelo Riva, Scientific coordinator for the EURHISFIRM project.

Indicative salary: €50 000 gross annual salary, with social security benefits

Location: Paris School of Economics, 48, Bd Jourdan 75014 Paris

Missions

Within the project, your primary mission is to conceive databases and data warehouse of long term financial data. A few large stand-alone long-term databases on European companies have been built by both the academic community and by private companies, but that has been done without any concern for interoperability. Within academia, considerable resources are devoted to the construction of historical datasets, as often as not with limited aims, to study specific issues. Moreover, such datasets are scattered and dispersed: they lack any systematic comparative or diachronic analytical purpose. You will design and test the system to connect these databases. On the same ground, the web is a mine of scattered and dispersed historical information on European companies: a system to enrich existing data with information from the web-based resources will be designed and tested.

Tasks :

- Conception and development of databases and data warehouse on long-term financial data
- Aggregation and link of data from different sources and periods
- Coordination with other EURHISFIRM members on IT tasks
- Developing project scopes, involving all relevant departments and ensuring technical feasibility
- Perform risk management to minimize project risks
- Create and maintain comprehensive project documentation

Requirements :

- Solid technical background, with understanding and hands-on experience in databases and data warehouses development, software development and web technologies
- PhD in computer sciences
- Excellent written and verbal communication skills
- Solid organizational skills including attention to detail and multi-tasking skills
- Fluent in English, both written and verbal
- Basic knowledge in market finance and interest in history would be a plus
- Working experience in collaborative environment would be a plus

Candidates looking to apply should contact Julien Thélot via mail only, at julien.thelot@psemail.eu.