

## RECRUITMENT NOTICE

### Chaire de Professeur Junior (CPJ)

### For an intended duration of 5 years

Recruitment for a research and teaching project on a fixed-term contract known as the "Chaire de Professeur Junior " aims to allow the candidate, after evaluation of his or her scientific value and professional aptitude, to access a permanent position as university professor.

Details regarding the recruitment process and the contract are available online:  
<https://www.uca.fr/universite/travailler-a-luca/recrutement-chaire-professeurs-juniors>

#### Job description and project statement

**Title of contract and position to be filled:** Data science for development economics

**Position:** Professor

**Hosting institution:** Université Clermont Auvergne

Name of the head of establishment /organization: Mathias BERNARD

Location: Clermont-Ferrand

Academic region: Auvergne Rhône Alpes

Position number: PR0007

Faculty: Ecole d'Economie

Department: Centre d'Etudes et de Recherches sur le Développement International (CERDI)

Partners institutions/organizations: CNRS

**Project name:** Data science for development economics

**Keywords:** Development Economics, databases, quantitative economics, artificial intelligence, big data.

**Intended duration:** 5 years

**Scientific theme:** Economics

**Corresponding CNU/CoNRS/CSS section(s):** CNU 05

**Research fields EURAXESS:**

<i>Champs 1</i>	<i>Sous-champs 1</i>	<i>Champs 3</i>	<i>Sous champs 3</i>
Economics	Economics of development	Applied Economics	International Economics
<i>Champs 2</i>	<i>Sous champs 2</i>	<i>Champs 4</i>	<i>Sous-champs 4</i>
Computer science	Modelling tools	Database management	

**Job profile:**

Integration of the use of innovative and/or massive data in the courses of the master program in development economics. Teaching will be in English and/or in French.

Hybrid profile between that of an applied economist and that of a data scientist, with research activities focused on development economics. Use of innovative and/or massive data sources.

**University strategy:**

For the Université Clermont Auvergne, the recruitment of a junior professor in the field of economics is perfectly consistent with its scientific policy. Labeled I-SITE since 2017, UCA affirms its identity as a territorial university of excellence, and its ambition to support the scientific fields in which it has acquired international renown. Development economics, a major component in the I-Site international research center around “natural disasters and sustainable development” is undoubtedly one of these scientific fields which allow the UCA to reach on a large scale, regional, national and international, leading to the recent creation of the Center for International Development in Clermont-Ferrand (PCDI) bringing together the Global Development Network (GDN), FERDI (Foundation for Studies and Research on International Development) and CERDI. This position will strengthen the research potential and dynamism of the CERDI, which is a joint research center of the Université Clermont Auvergne, the CNRS and the IRD, in the field of data sciences in addition to the positions recently obtained from the CNRS (a senior position in 2022, and a junior position in 2023).

Since 2021, UCA has opened six junior professor positions (CPJ), and five of them have already been filled. Three of them were affiliated abroad at the time of their recruitment. The UCA's strategy was to primarily target the joint research centers (UMR) and to propose job profiles previously discussed with the ONRs to support a common strategy. If three of them have just been recruited, which does not allow any impact to be assessed, the UCA is pleased that one of the researchers recruited in 2021 (Louie Corpe) is submitting an ERC starting grant project in 2023.

**Department strategy:**

The CERDI is a joint research center (UMR) of the Université Clermont Auvergne, and the CNRS, and of the IRD. With the School of Economics, they benefit from strong recognition at the national and international level. The department is particularly involved in the LabEX IDGM+, the SFRI (International Development Graduate Track) project as well as the creation of the PCDI (Center for International Development in Clermont-Ferrand). The visibility of research and training activities makes it possible to attract excellent candidates, whether at the level of students wishing to complete a doctoral student or even when applying for teacher-researcher positions. In the field of economics, tenure track recruitment has become the norm for years in many countries; the CPJ system fit well into the functioning of the labor market in this disciplinary area.

**Strategy to enhance the international attractiveness:**

The UCA wishes to strengthen the international character of its research activities. This will be based on its ability to access European research funds, but also major international call for projects by improving the response and success rate to these projects, thus securing its place in the largest scientific rankings and its international influence. In this global strategy, the international background of the candidate is a key selection criterion for the junior professor position (CPJ). The objective is, ultimately, to increase the percentage of UCA staff with strong international experience and who will thus be a source of proposals in order to structure and strengthen both partnerships, responses to calls for projects but also the establishment of international networks serving research and training, particularly within the framework of Graduate Tracks (SFRI).

**Scientific project:**

A hybrid profile between that of an applied economist and that of a data scientist is sought for the opening of a CPJ in data sciences for the development economy, with a top-up of the salary supplement financed by LabEX IDGM+, in order to increase the attractiveness of this position. The candidate's profile requires knowing how to identify and exploit innovative and/or massive data sources to answer research questions in the field of development economics. This profile would complement and strengthen CERDI's research activities. Access to ever more massive databases has led economists to develop their own methodologies or to import methodologies from other disciplines. A CPJ profiled as a data scientist in development economics would support the efforts of numerous colleagues and the training of our PhD students to the use in Python and R.

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**Teaching project:**

The skills provided by the CPJ will aim to be part of the current dynamics of the school of economics and will make it possible to consider in the teaching, particularly at the graduate level, the developments and trends observed around the management of economic bases. data. In particular, this will involve contributing to the integration of the issue of innovative and massive data and emerging questions in development economics into the teaching practices of the School of Economics: i) teaching on data science and economics content development; ii) reflection on the integration into educational models of teaching on innovative and massive data; iii) reflection on the evolution of evaluation methods taking into account the availability of artificial intelligence instruments.

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**Funding:**

<b>ANR welcome pack</b>	200k€
PhD	
Post-doctoral researcher (three-year contract)	138k €
Research assistant	22k €
Equipement	5k €
Travel funds	35k €
<b>Co-funding</b>	110k €
PhD student (three-year fellowship financed by UCA)	110k €
<b>Co-funding of a top-up of the salary (LabEX IDGM+)</b>	36k €
<b>Total</b>	346k €

### Diffusion scientifique:

The results of the project will be published in peer-reviewed journals in economics (top-five, general interest and top-field journals), presented in the form of oral communications at national and international conferences in the fields of economics and data science.

### Open science:

The project is part of an approach which will be in accordance with the open science policy of the EPE UCA which reflects the commitments made in this area (<https://science-ouverte.uca.fr/nos-engagements/engagements-uca>). The databases generated by the implementation of the scientific project will be FAIR.

### Science and society:

The project and the results will be communicated to the general public in several ways:

- through popularization conferences in educational and cultural institutions or during national events such as the “Fête de la Science” (science festival organized on a yearly basis by the UCA);
- by press releases intended for local and national media (newspapers, radios, television channels);
- through efforts to disseminate research results via publications on sites such as VoxDev (<https://voxdev.org/>) or The Conversation (<https://theconversation.com/fr>).

The successful candidate will be able to rely on the “Science with and for society” label that the site obtained in November 2021.

### Indicators:

Support will be put in place with the UCA to support and advise the candidate on administrative, regulatory, HR and financial aspects, and to seek solutions in the event of difficulties. A quarterly scientific review will be carried out with the director of the unit to monitor the progress of the project (work in progress, publications and exploitation of results), searches for additional funding, difficulties encountered and possible reorientations. This monitoring aims to ensure the best conditions for tenure at the end of the Chair.

## Job attractiveness

- The junior lecturer has a teaching service obligation on an annual basis of 64 hours HTD without the possibility of doing complementary courses,
- He/she will be supported throughout the project by a scientific advisor,
- The gross annual salary is : 41 331 € (based on INM 735),
- The junior professor will benefit from an ANR support of 200 k€ (PhD student, post-doc, project funding).
- The junior professor will also benefit from a funding of the UCA of 110k€ (three-year fellowship for a PhD student), and a top-up of the salary up to 36k€ financed by the LabEX IDGM+.



UNIVERSITÉ  
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Service Recrutement et Mobilité*

## Organisation of the interview

**Only those candidates who have been selected by the selection committee on the basis of their applications will be invited to the audition.**

**Planned role-playing** YES ☐ NO ☒

The interview will last 50 minutes: it will start with a 20-minute presentation of the candidate's scientific and pedagogical background, motivations, and research and teaching projects. The interview will conclude with 30 minutes of discussion with the members of the selection committee.

At the end of the interviews, the committee will decide on the merits of the candidates, taking into account the quality and originality of their research projects, their motivations, their forward-looking vision of the field and their capacity for scientific and teaching supervision.

## NOMINATION PROCEDURE AND TIMETABLE

Candidates must **imperatively** enter their declaration and submit the documents on the website GALAXIE/FIDIS: <https://galaxie.enseignementsup-recherche.gouv.fr/antares/can/astree/index.jsp>

Opening of registrations on GALAXIE: **February 23, 2024, 10 a.m. (Paris time)**,  
deadline for submission of the file on GALAXIE/FIDIS: **March 25, 2024, 4 p.m. (Paris time)**

**Any file that is still incomplete on the deadline will be declared inadmissible.**

## YOUR APPLICATION FILE

### References:

- Decree No. 2021-1710 of December 17, 2021 relating to the junior professor chair contract provided for by article L. 952-6-2 of the education code and by article L. 422-3 of the code of the research
- Order of 6 February 2023 setting the procedures for applying for recruitment by way of junior professorship contract

**The candidates send a file in digital version** to the President of the University Clermont Auvergne. The file is accessible to the members of the selection board.

In accordance with [article 26 de l'arrêté du 6 février 2023](#), the application file includes the **following documents**:

- 1) The application form entered online (under Galaxie/Fidis);
- 2) Both sides of an identity document with photograph
- 3) A document attesting to the possession of a doctorate, as provided for in article L612-7 of the education code, or for candidates who do not hold a doctorate, a diploma whose equivalence is recognized by the Council of Staff of Teachers and Teacher Researchers (CP2E) of UCA, according to the procedure set out in 1°) of article 5 of decree 2021-1710 of December 17, 2021;

- 4) The diploma defense report produced (Thesis defense report);

It is recommended that the document be on university letterhead with the names of the referees identifiable.

- 5) An analytical presentation of the work, books, articles, achievements and activities related to the profile of the position in question, mentioning those that the candidate intends to present at the audition, **produced on the model of the " fiche de candidature CPJ » (to be downloaded from the CPJ page of the Galaxie portal or [click here](#))**

- 6) Full work of each article, book or achievement the candidate wishes to present during the interview. (max 6 documents)

### **French translation of certain documents:**

The administrative documents (documents 2 and 3) as well as the defense report written in whole or in part in a foreign language must be accompanied by a translation into French, of which the candidate certifies compliance on honor. Otherwise, the file is declared inadmissible.

The translation of the analytical presentation as well as the works, books, articles and achievements is optional.

**In the event of multiple applications**, the candidate must compile a file for each position for which he/she wishes to apply.

**Warning:**Galaxie/Fidis is not compatible with the use of a tablet or smartphone, please use a computer only.

## ADDITIONAL INFORMATION

**Additional information on recruitment and the characteristics of this UCA contract** are available on the Clermont Auvergne University website: [www.uca.fr](http://www.uca.fr), "University" tab then "Working at UCA" then "Recruitment of teaching staff" and "Recruitment of Junior Professor Chair": please [click here](#)

## YOUR APPLICATION AND STAFFING SCHEDULE

### **Dematerialized application:**

**You will not receive any paper documents from the University.**

The GALAXIE/FIDIS module will allow you:

- to monitor your application(s) and the processing status of each file,
- to learn about the result of the recruitment,
- to formulate, if necessary, your acceptance of position.

### **Provisional timetable:**

- **Collection of applications:** until March 25, 2024 until 4:00 p.m. (Paris time)
- **Selection of applications and auditions\*:** April - May 2024
- **Entry into office:** between September 1, 2024 and December 1, 2024

*\* See the calendar on the UCA website: <https://www.uca.fr/universite/travailler-a-luca/recrutement-chaire-professeurs-juniors>*