Data Intelligence Institute of Paris (diiP)
call for **Strategic Projects**

The Data Intelligence Institute of Paris (diiP) is an IdEx (Initiative d'Excellence) interdisciplinary institute of the University Paris Cité. The diiP institute fosters and supports interdisciplinary practices around data science and data intelligence, with a focus on data intensive domains. It gathers scientists and researchers from formal sciences (mathematics, computer sciences), physical sciences (physics, chemistry, astronomy, geosciences), life sciences (medicine, biology, neuroscience), and social sciences (linguistics, psychology, sociology, political science, economics, law, history).

The diiP institute has hired two full time research associates with PhDs in Computer Science, who will support interdisciplinary projects related to data analytics, data science, data intelligence. Thanks to additional financing, diiP will support projects related to fairness of AI algorithms and to detection/analysis of disinformation (a.k.a. fake news). Interested teams are welcome to submit project proposals, following the guidelines below. The projects should take place between January-December of the following calendar year.

WHAT TYPE OF PROJECTS ARE EXPECTED

The diiP institute will support interdisciplinary projects that advance the state of the art in terms of novel designs/solutions/systems/results related to data science, data intelligence, including the topics of fairness of AI algorithms and of disinformation. The proposals must respect the following aspects so as to be considered eligible:

- Data analytics, data science, or data intelligence should play a central role in the project, with problems that need to analyze real data. Projects that involve large amounts of data (currently not possible/easy/efficient to analyze in their full detail) are strongly encouraged.
- **Interdisciplinary teams** with investigators from at least 2 different disciplines will be prioritized. This call aims at encouraging the creation of new interdisciplinary collaborations, and projects that would not be possible without this funding.
- The project is asking for 6, or 12 person-months of a diiP research associate (PhD in Computer Science, with experience in data management and machine learning), between January-December of the following calendar year.

The diiP institute will assign 6, or 12 person-months (in both cases spread across an entire calendar year) of one of the diiP research associates to the project.

WHO CAN APPLY (ELIGIBILITY CRITERIA)

The leader of the project (principal investigator) must be affiliated with Université Paris Cité.

Collaborations among partner institutions and synergies with other interdisciplinary IdEx institutes at the Université de Paris are encouraged.

HOW TO APPLY

Applicants must prepare a 4-page (font size: 10) proposal in English, in PDF format (the name of the file should be the name of the principal investigator: FirstnameLastname.pdf; maximum file size: 10MB), including:

- **Names and affiliations** of the principal and co-investigators (the team).
- **Motivation** (0.5 page): describe the vision and the mission of your project.
- **State-of-the-art** (1.5 page): discuss the state-of-the-art and its limitations, as well as the originality of the proposed work and possible scientific risks associated with the project.
- **Proposed work** (1 page): explain the novel contributions of the proposed work, how it will advance/contribute to the state-of-the-art, and describe the impact of the results (to the same/other disciplines).
- **Implementation** (1 page): describe the tasks you will work on and the data you will use, state if you require 6, or 12 person-months of the diiP research associate (PhD in Computer Science, with experience in data management and machine learning), and explain which tasks will be carried out by the existing research team and which by the diiP research associate.
- **References** (0.5 page).

Submission URL: https://forms.gle/ojft6h2U39uawZq19

Attention: You may edit your responses in the submission form, but you **cannot** upload a new PDF file; upload your PDF once you have the final version.
Deadline: **October 17th, 2022, at noon** (CET)

Applicants will be notified about the outcome of their proposal early November.

For inquiries, you may contact us by email: diip "at" math-info.univ-paris5.fr

EVALUATION CRITERIA

The submitted proposals will be assessed according to the following criteria:

- **Relevance to diiP objectives**: the proposal includes the processing/analysis of and/or learning from data, involves large amounts of data, proposes experiments using state-of-the-art techniques/processing systems (by simulation, emulation, or in real size).
- **Interdisciplinarity**: the proposal involves researchers from at least two different disciplines; collaborative projects among partner institutions and synergies with other interdisciplinary institutes (https://u-paris.fr/en/multidisciplinary-institutes/) are encouraged.
- **Impact**: the proposal demonstrates how the project will advance the state-of-the-art, how it will enable knowledge transfer between disciplines, how it will produce results that could be used in other similar problems in the same or different disciplines, how it will advance societal/ecological/economical aspects.