TITLE: Analysis of the existing situation and simulation in urban logistics within the CO4HUB project

Supervisors : Dupas R. & François J. (Laboratoire IMS – Université de Bordeaux)

Duration : 3 months (paid internship) **Start date**: mid-May. **Application deadline**: mid-March

Level: master M1 or M2

Location: IMS Laboratory – Université de Bordeaux

Email: remy.dupas@u-bordeaux.fr, julien.francois@u-bordeaux.fr

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CONTEXT

This internship is part of the European urban logistics project CO4HUB (Cooperation for Hubs in Urban Logistics), which aims to develop new methods (logistics organization & business processes) for last-mile delivery using micro-logistics hubs in city centers.

See project information: https://dutpartnership.eu/projects/co4hub

See the call of the project: https://dutpartnership.eu/calls/dut-call-2024

OBJECTIVE

The internship will focus on the following activities:

1) Conducting documentary and bibliographic analyses of existing (operational or experimental) urban logistics projects implementing these micro-hubs.
2) Participating in gathering information and conducting interviews with urban logistics stakeholders in Bordeaux.
3) Creating simulation models of logistics flows using the AnyLogic simulation tool (https://www.anylogic.fr/) to compare several logistics architectures.

PREREQUISITES

General algorithms (Java, Python, etc.)

Interest in operations research

Knowledge of a discrete flow simulation tool is not required.