APPLICATION POSTDOCTORAL FELLOWSHIP (junior/senior)
PROJECT OUTLINE

Changes to previous project proposal

Rationale and positioning with respect to the state of the art

Machine learning applications in urban planning have become increasingly important (Smith et al., 2023), while data science methods continue to evolve for environmental research (Anderson and Wilson, 2022). The development of sustainable transportation networks through multi-objective optimization approaches represents a growing area of research, as shown in Garcia et al. (2024).

Scientific research objectives

Research methodology and work plan

References

Anderson, S. L. and Wilson, D. M. (2022). *Data Science for Environmental Research: Methods and Applications*. Academic Press, New York, 2nd edition.

Garcia, C. R., Lee, J. S., and Kumar, R. P. (2024). Sustainable transportation networks: A multi-objective optimization approach. In *Proceedings of the International Conference on Smart Cities*, pages 78–85, Barcelona, Spain. IEEE.

Smith, J. A., Johnson, E. R., and Brown, M. K. (2023). Machine learning applications in urban planning: A comprehensive review. *Urban Studies Journal*, 45(3):123–145.