

# Towards multi-scalar models for the co-evolution of transportation networks and territories

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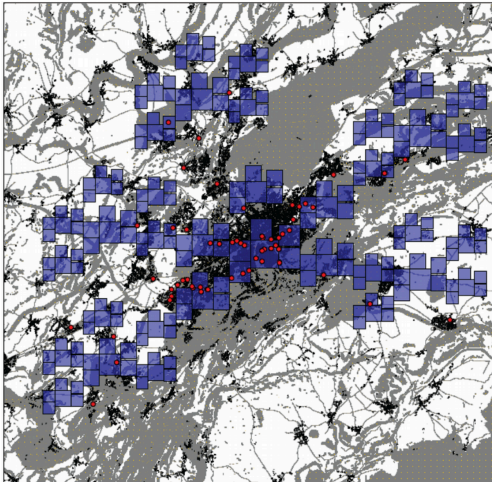
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# Interactions between networks and territories



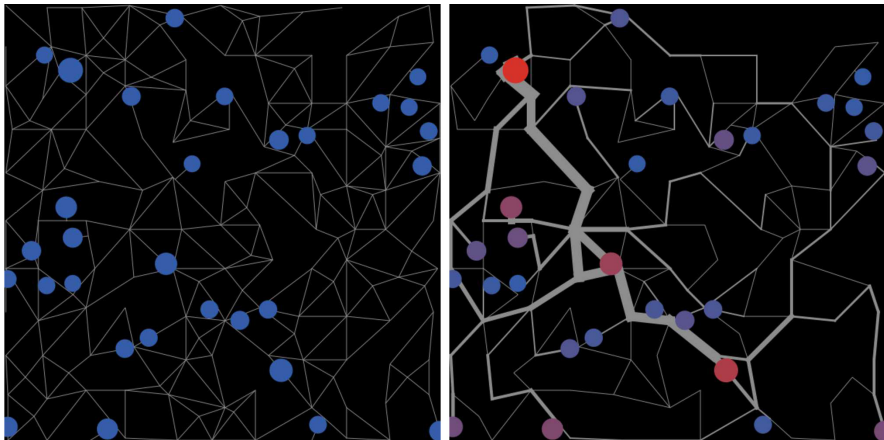
[Tannier, 2017]

# Modeling the co-evolution of transportation networks and territories

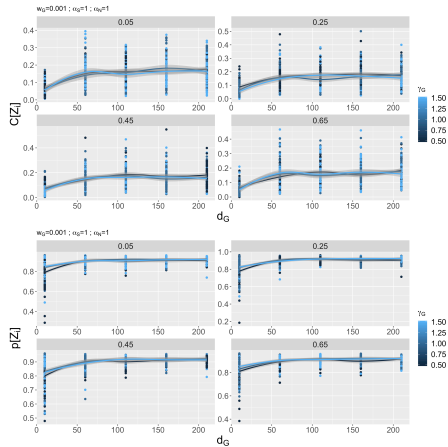
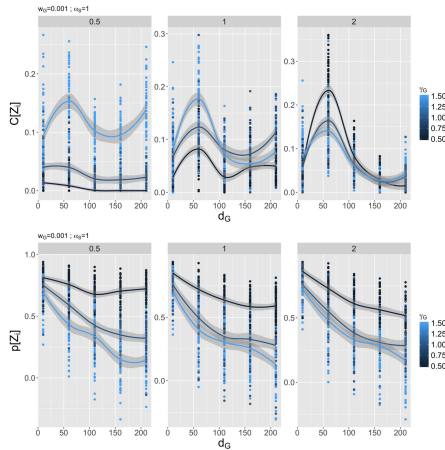
# Towards multi-scalar models



# Synthetic physical network



# Model behavior



# Interaction regimes





# Theoretical proposal for a multi-scalar model

## *Developments*

→ fair comparison of number of regimes using PSE algorithm

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## References

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Raimbault, J. (2019). Modeling the co-evolution of cities and networks. Forthcoming in *Handbook of Cities and Networks*, Rozenblat C., Niel Z. (eds.), Edward Elgar Publishing.

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- Code, data and results

<https://github.com/JusteRaimbault/CoevolutionNwTerritories>

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Tannier, C. (2017).

*Analysis and simulation of the concentration and the dispersion of human settlements from local to regional scale. Multi-scale and trans-scale models.*

Habilitation à diriger des recherches, Université Bourgogne Franche-Comté.