Optimising relief chain logistics

Concept. The idea here is

- Full sim: full event-based spatial stochastic model

- Inference model: spatial mean field inference features using the probabilistic reweighting

- Also use the likelihood-free inference model?

- Humanitarian aid logistics in response to flooding, fire or other natural disasters

- Routing of transportation

- Where to focus searches

- Transportation size distribution

- Supply chain logistics of resources and allocation of budget

- Example paper here with stochastic network models [1]

Bibliography

[1] D. Alem, A. Clark and A. Moreno, *Stochastic network models for logistics planning in disaster relief*, European Journal of Operational Research **255** (2016) 187–206.