



Research School for Operations
Management and Logistics

Dealing with uncertainty in logistics applications

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The aim of the research is to study different approaches to model and exploit stochasticity in the context of transportation systems and logistics applications in general. We intend to produce models that obtain superior performances in terms of solution quality and time complexity with respect to the state of the art in logistics applications. Uncertainty will be modelled in different scenarios, with reference to real world data whenever possible. When such data is not available, a purely simulative approach will be developed to be as close as possible to the representative business case. Throughout the whole project, special attention will be devoted to the definition of techniques that are easily scalable to real world sized problems and transferable from the original research domain to other related logistics applications.