

“International Comparison of freight train operations”

This thesis aims to conduct a comparative analysis of freight train operating strategies across various countries. First, an investigation of different characteristics of freight rail transport such as the rolling stock, the physical infrastructure and the operational use of it, the transported volume and the influence of multimodal transportation options must be carried out for at least six countries. This includes the evaluation of geographic and economic environments that influence rail freight transport. In a further step, existing mathematical models for freight transport, such as optimization of routing, scheduling and wagon distribution concepts, should be analyzed. It must be highlighted for which national context, and for which purpose these models have been developed and what kind of similarities and differences exist.