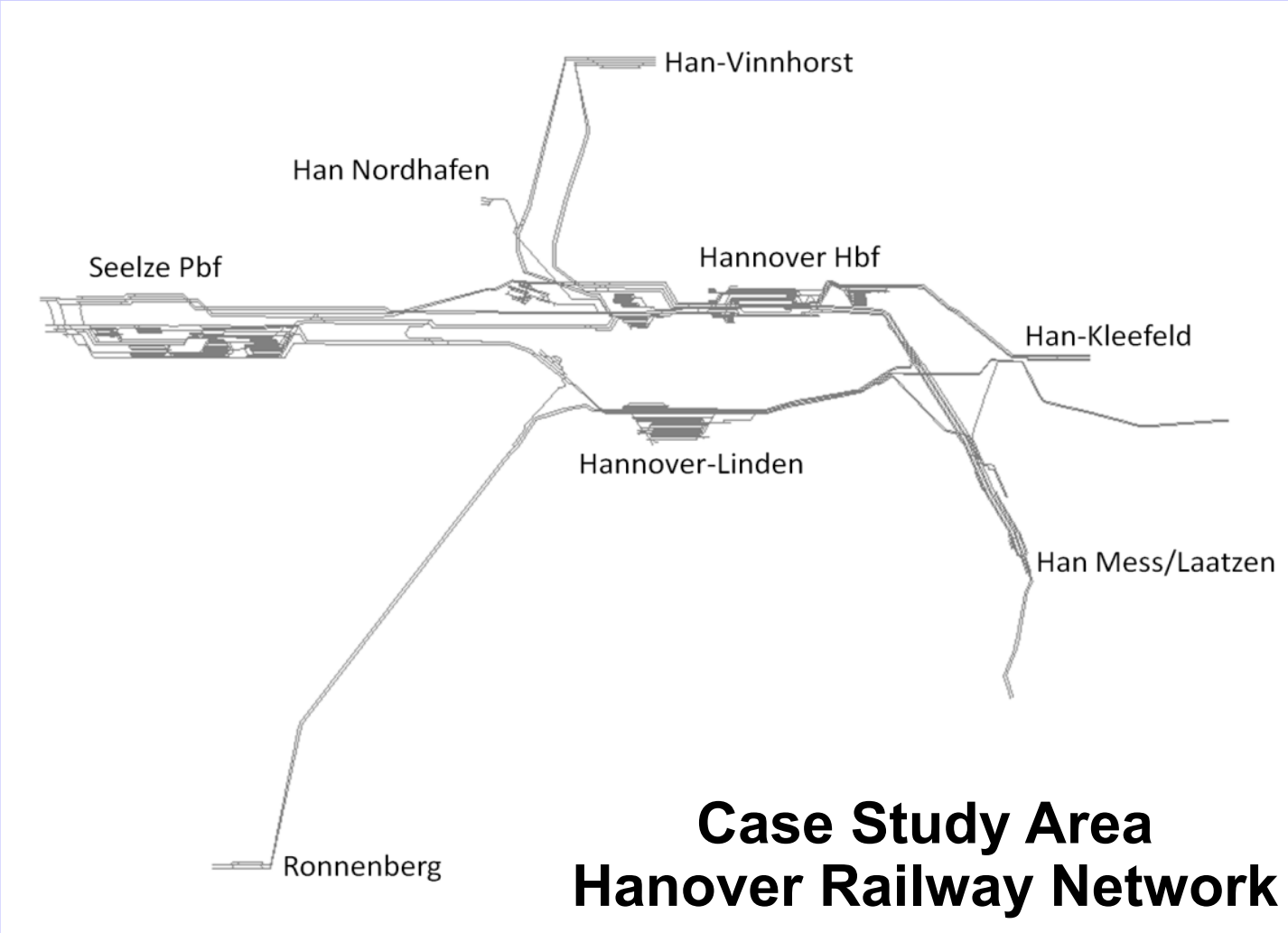
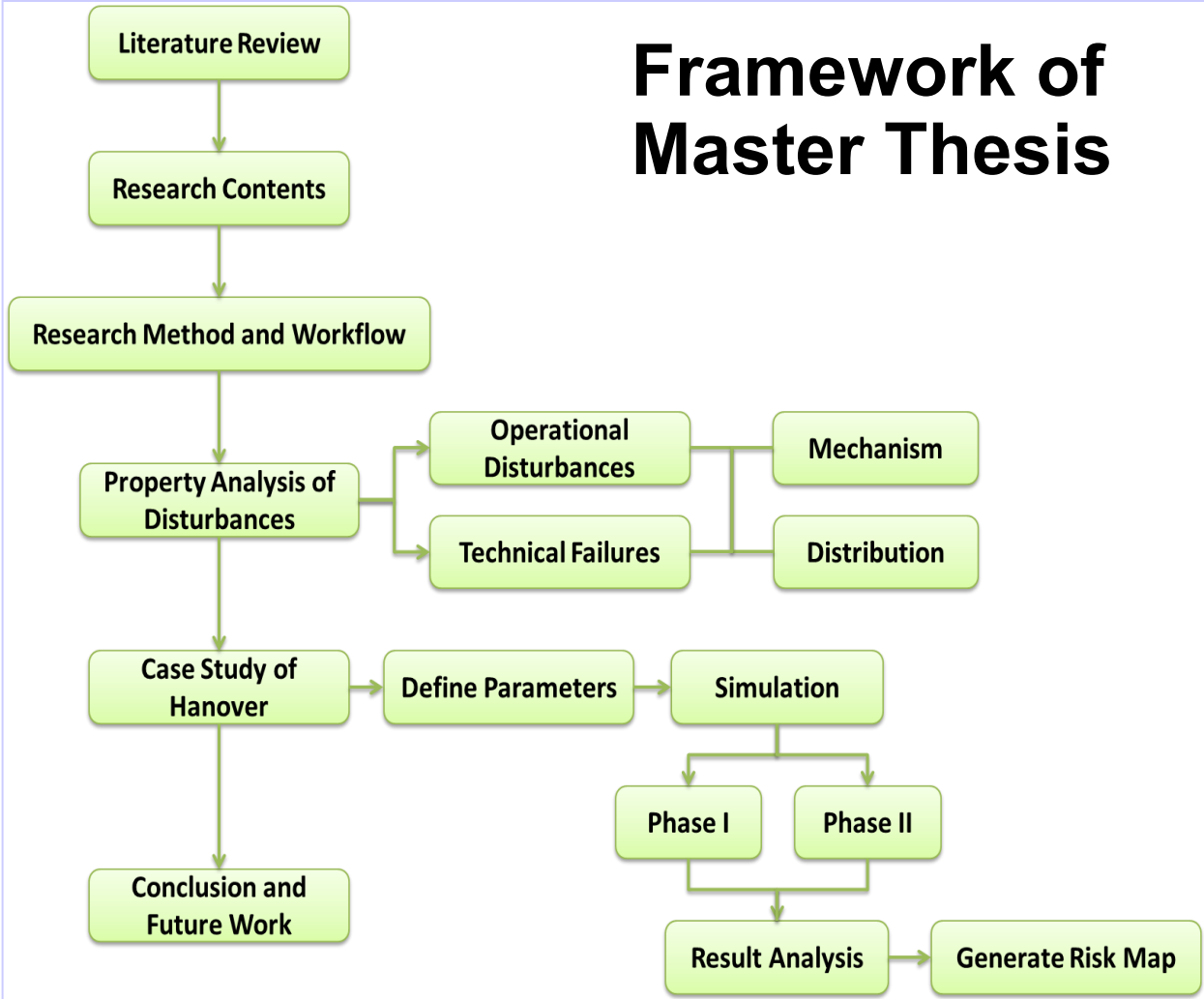
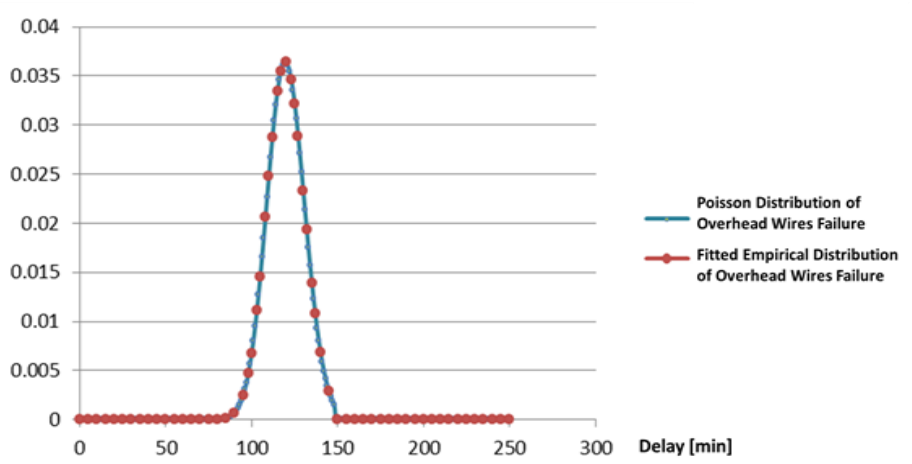
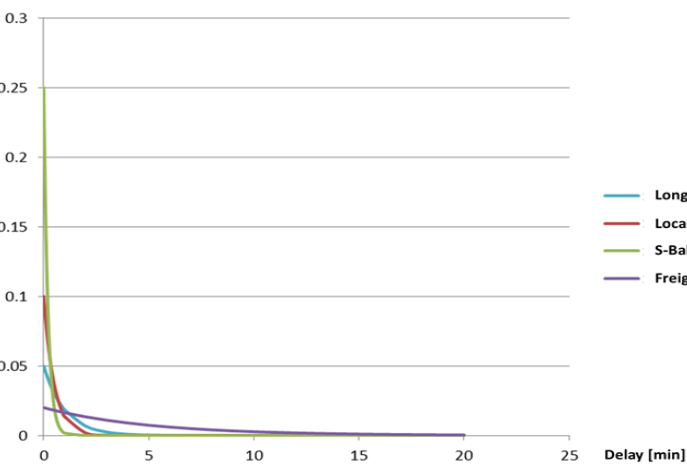
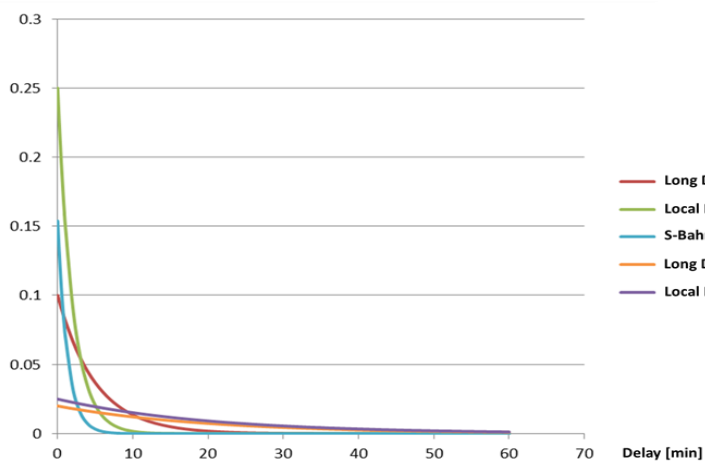
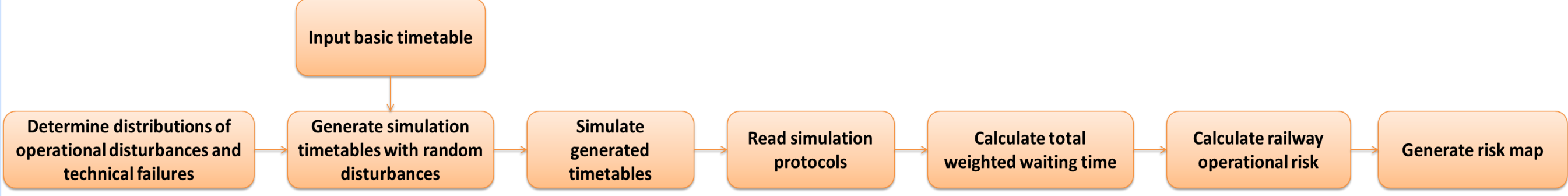


Operational Risk Analysis of Basic Structure in Railway Network Based on Simulation of Railway Operation



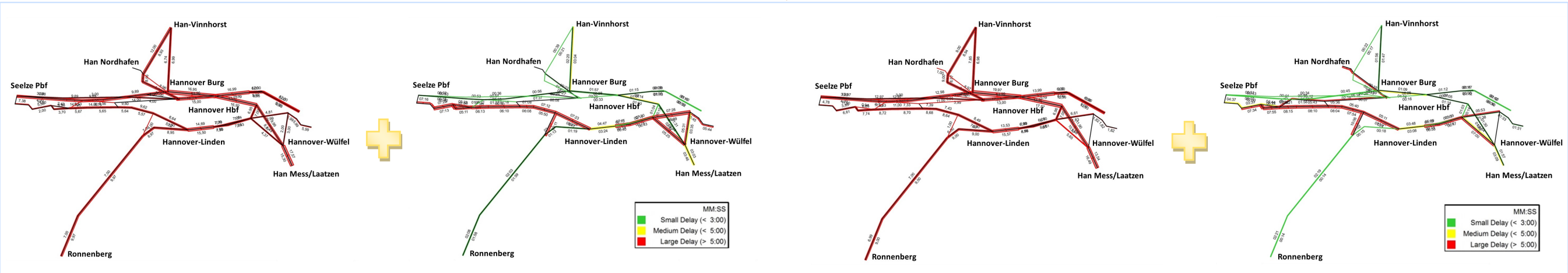
Workflow for Mapping the Railway Operational Risk Map



Distribution of Arrival Delay

Distribution of Dwell Time Extension

Distribution of Technical Failure

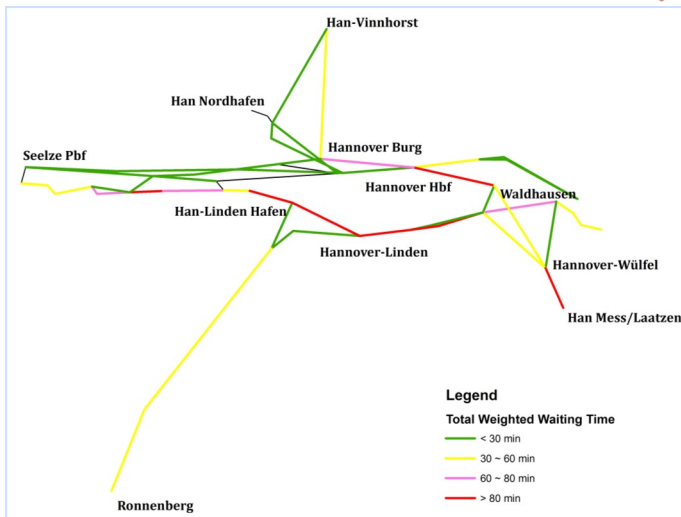


Train Numbers

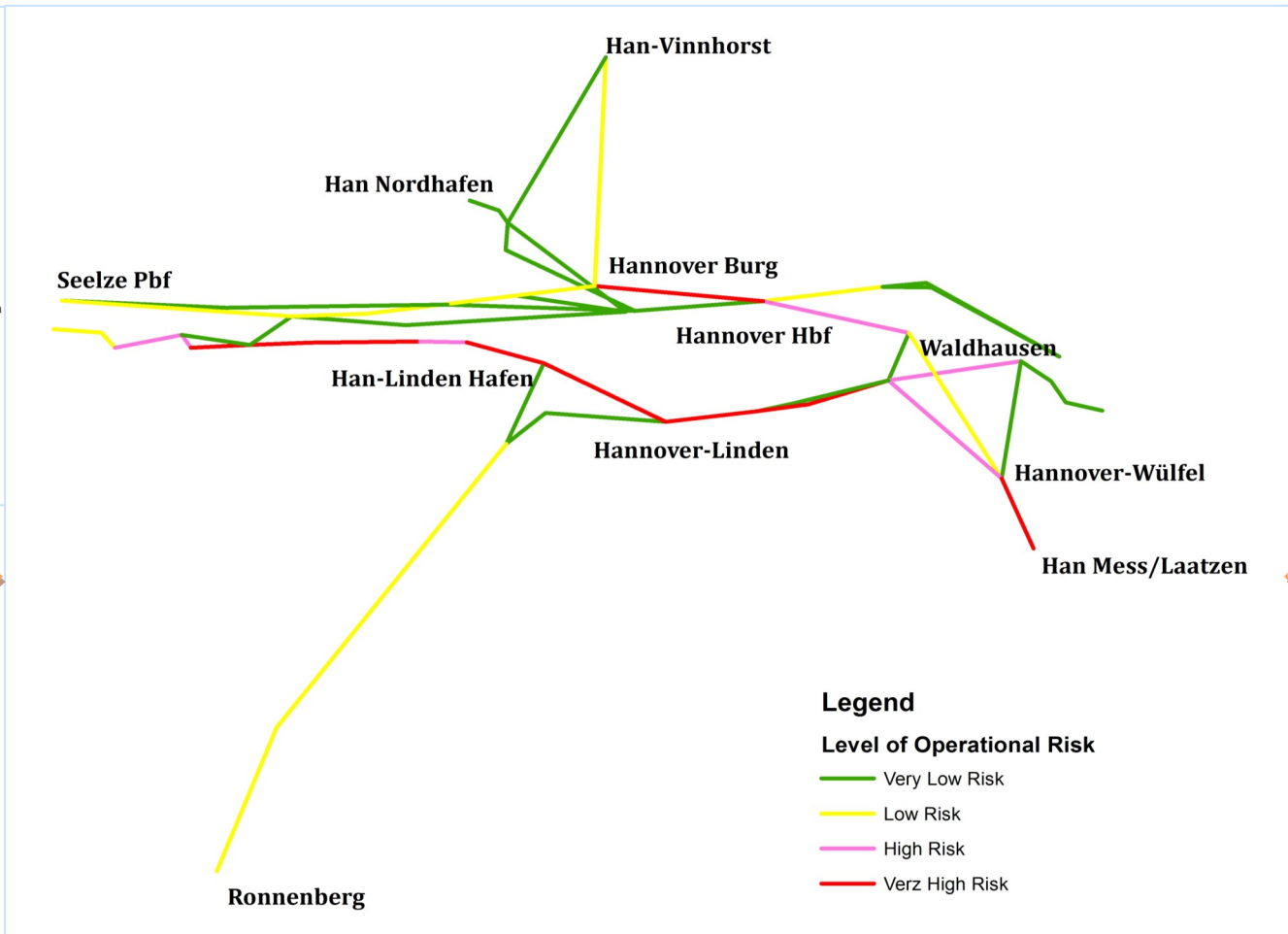
Delays per Train

Delays per Train

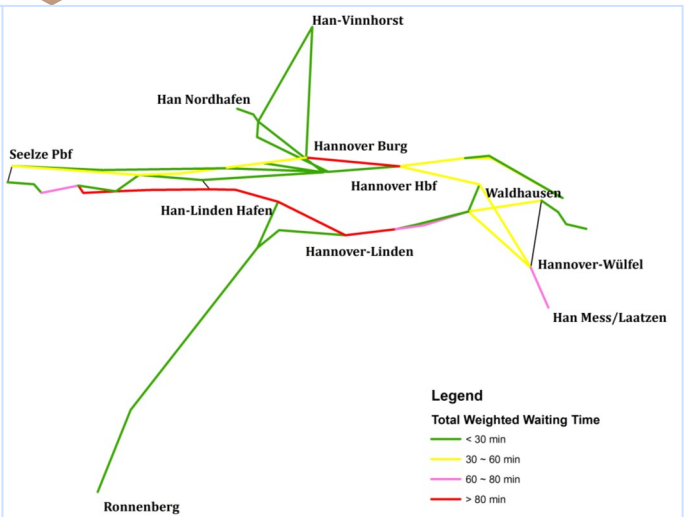
Train Numbers



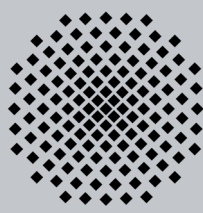
Total Weighted Waiting Time from 7:00 to 9:00



Operational Risk Map of Hanover Railway Network



Total Weighted Waiting Time from 16:00 to 18:00



Universität Stuttgart