Introduction
In The Netherlands the “Nederlands Regionaal Model” (NRM) and “Landelijk Model Systeem” (LMS) are the most important models for the Ministry for Infrastructure & Environment. The transport forecasts from these models form the basis for many policy decisions. One of the components of both models is the “matrix calibration”. In this step the travel demand matrix is updated to be consistent with traffic flow data (counts, speeds, congestion locations, etc.). During the calibration process several choices are made, such as: which counts are included, which screenlines are used, what weights (reliability) are given to the data, etc. Furthermore this is an iterative process where in each step more data are introduced.

Thesis or Internship opportunity
Your research will be to investigate the matrix calibration process and the effect of the above mentioned choices, in order to advise Rijkswaterstaat on best practices. The research can take place at the office of Significance in The Hague.

Daily supervisor will be Rik van Grol (vanGrol@significance.nl). Support is also available from Rijkswaterstaat, provided by Dusica Krstic-Joksimovic (dusica.krstic@rws.nl) including background information, data and software tools. Please note that a lot of the background information is in Dutch.

Contact
For more information about this project please contact Adam Pel (a.j.pel@tudelft.nl) and/or Rob van Nes (r.vanNes@tudelft.nl)