

# *Enhanced Real-Time Incidence Management using Anticipated Traffic Conditions*

**Jorge Lopes**  
Brisa

**EasyWay**

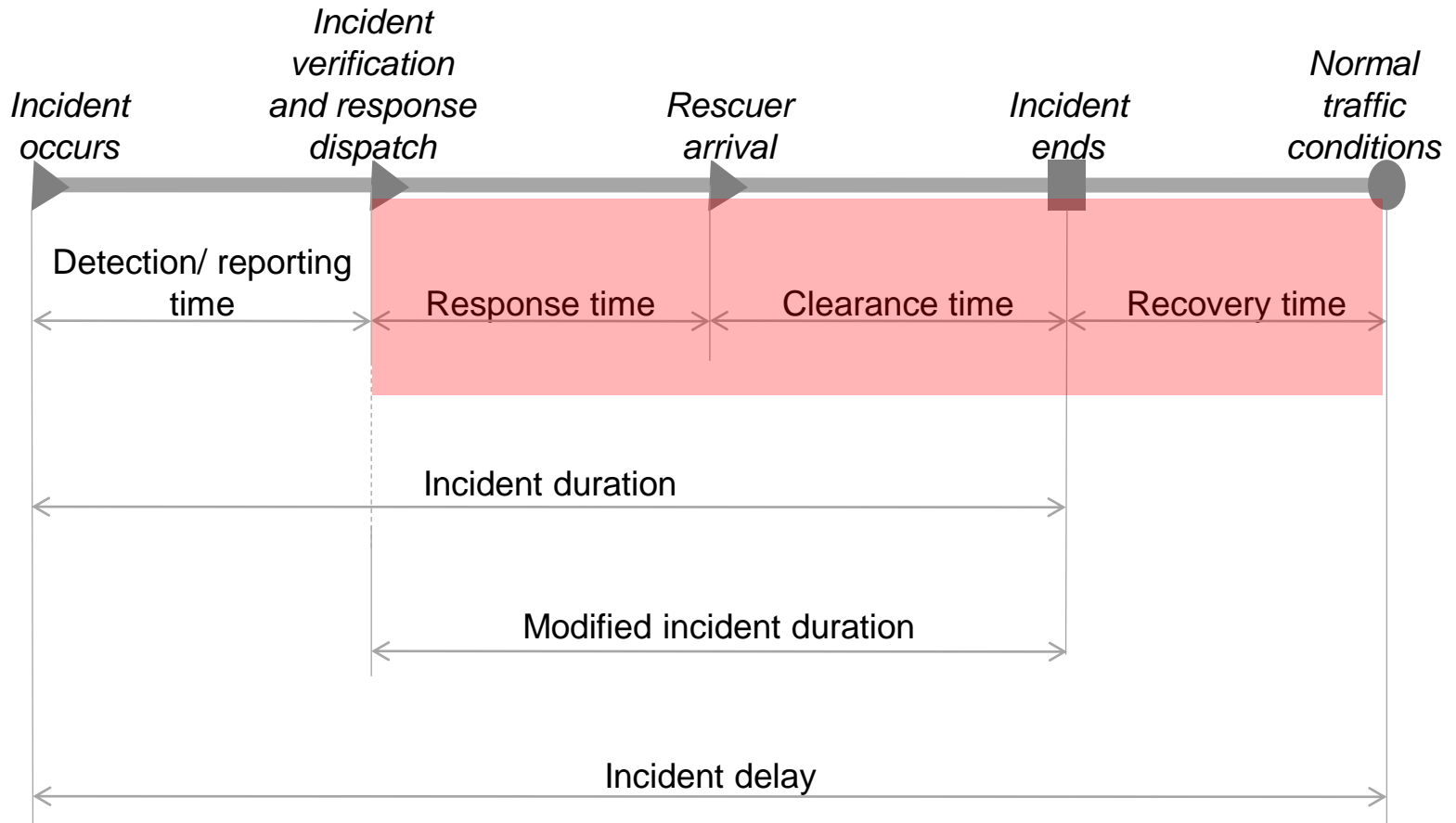


Annual Forum 2010 - Lisbon

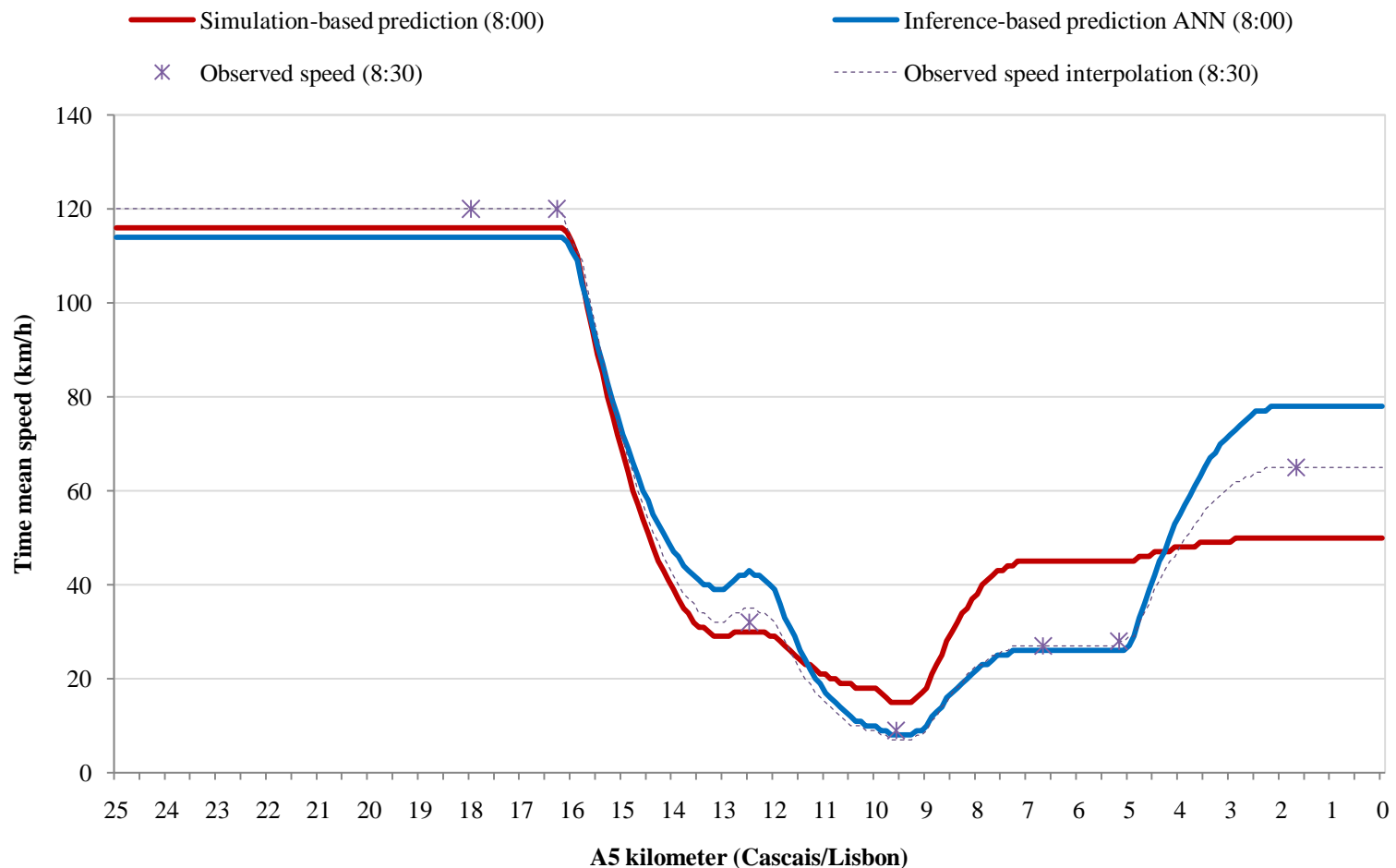


1. How to improve incident management process with network state forecasts?
0. How to generate incident-induced network state forecasts?

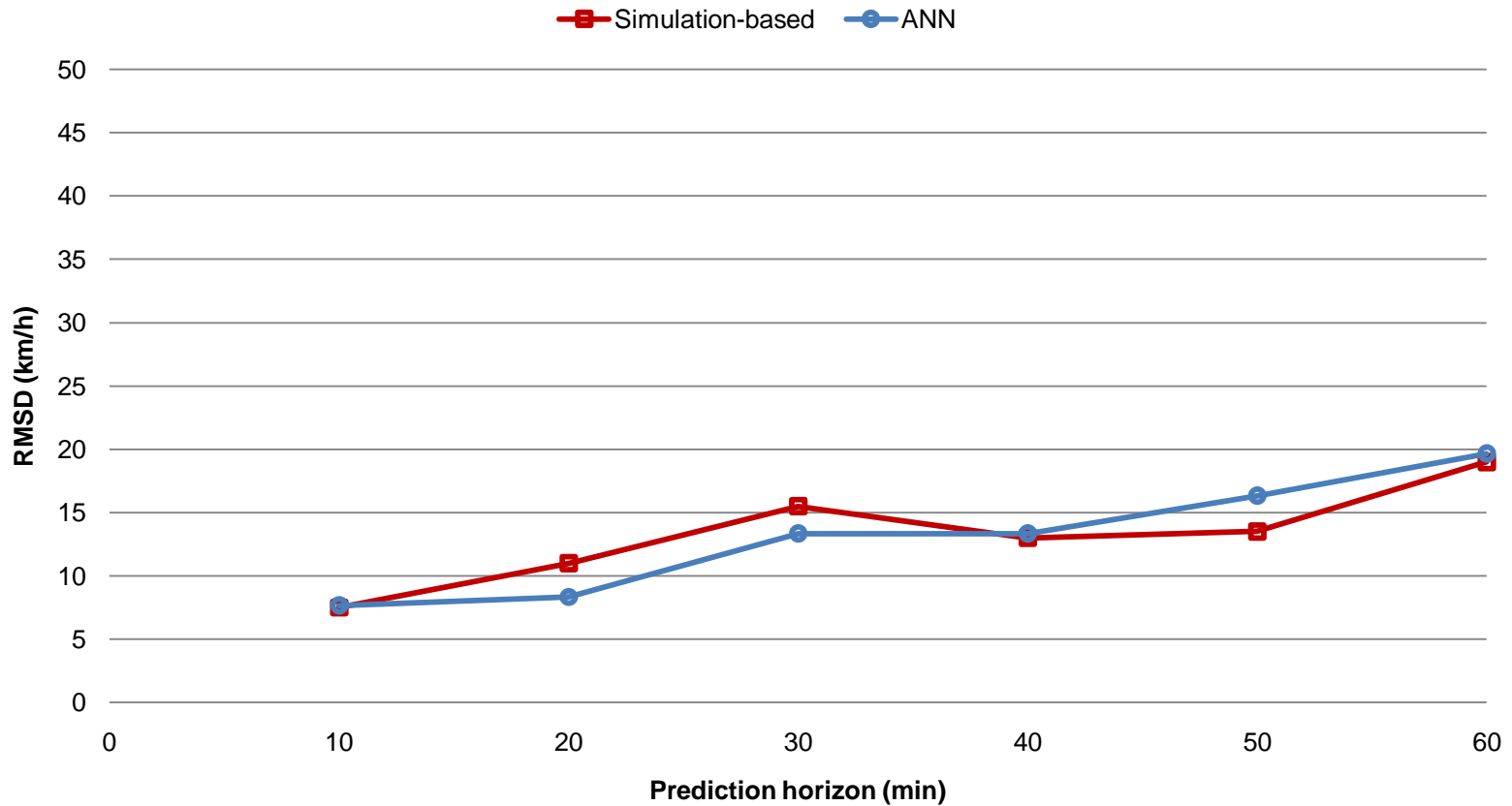
# Components of incident-induced delay



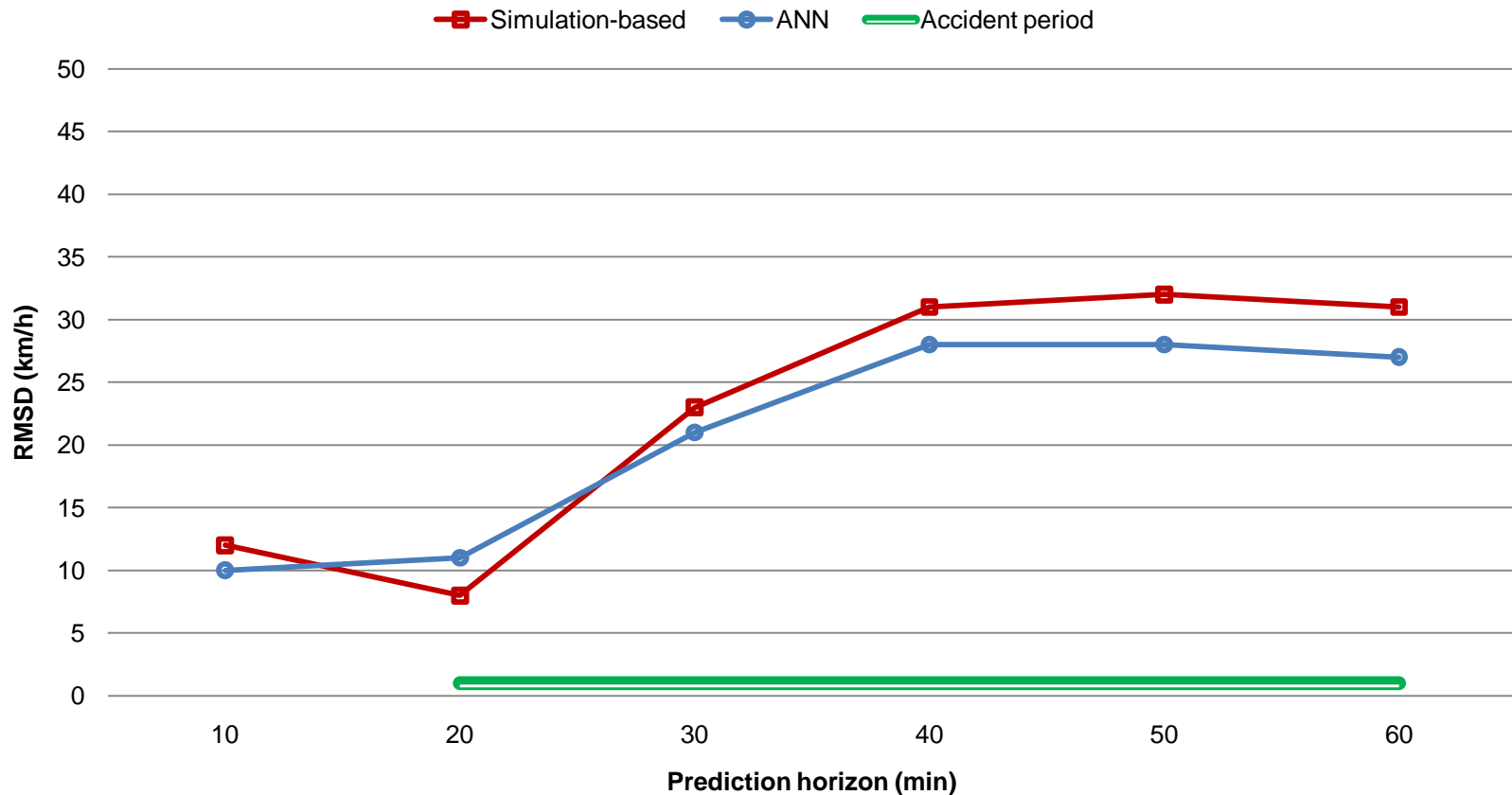
# Recurrent congestion prediction (8:00 → 8:30)



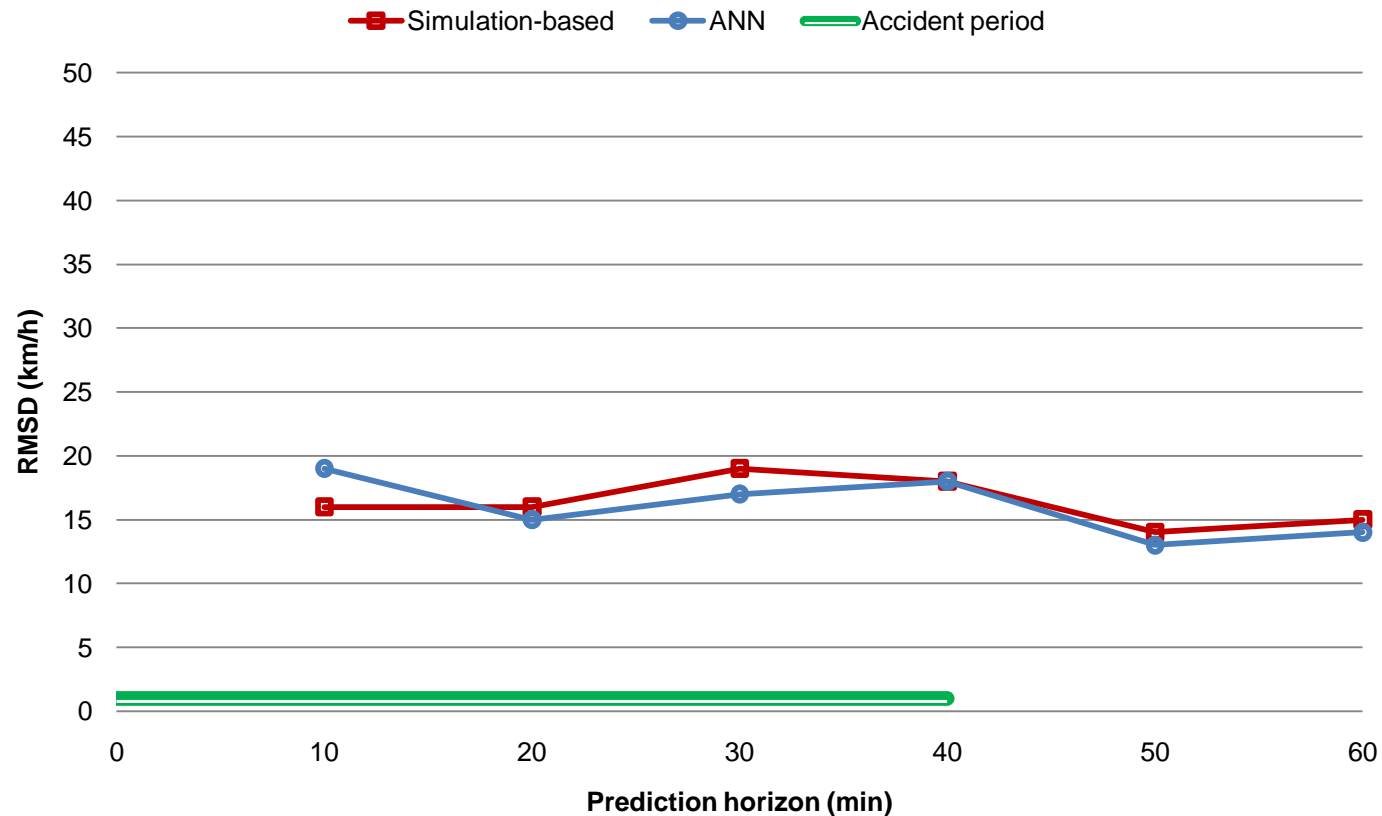
# Recurrent congestion prediction (8:00 → 8:30)



# Pre-incident network state forecast



# Incident-induced network state forecast



1. Surveillance data
2. Incident-duration estimation
3. Roadway capacity reduction

1. Improving incident response plan with “nearest” emergency/rescue teams
2. Improving network operations with extraordinary measures to mitigate incident-induced delay (e.g. hard-shoulder use, traffic deviation)
3. Alert in-route drivers with incident-induced travel times and alternative routes

# *Enhanced Real-Time Incidence Management using Anticipated Traffic Conditions*

EasyWay Annual Forum 2010  
Oeiras-Portugal, November 17<sup>th</sup>

Jorge Lopes  
jlopes@brisa.pt