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RÉPUBLIQUE FRANÇAISE



Les Rencontres de la MOBILITÉ INTELLIGENTE

PARIS • BEFFROI DE MONTROUGE • 26-27 JANV. 2016

Real-time safety alerts for severe weather and jam tails

Maarten Clements, TomTom

NOS PARTENAIRES :



Jam Tails



*Common cause for **severe high speed accidents***

Severe Weather



*“**23% of car crashes in United States are weather-related.**”*

Source: Ten-year averages from 2002 to 2012 analyzed by Booz Allen Hamilton, based on NHTSA data

How does TomTom help?

Real-time warnings to drivers

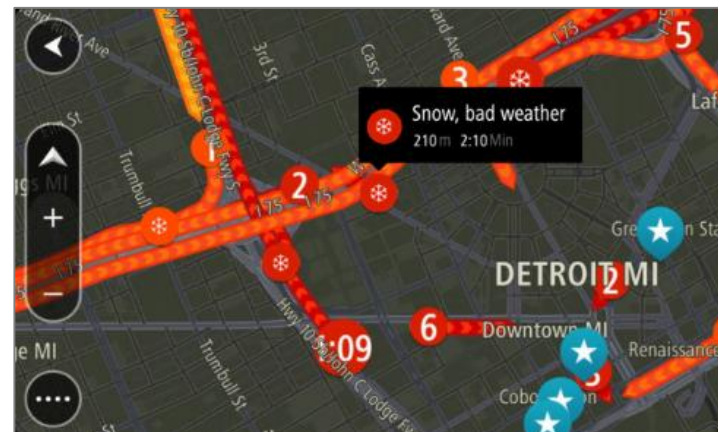
Jam Tails

Navigation Device

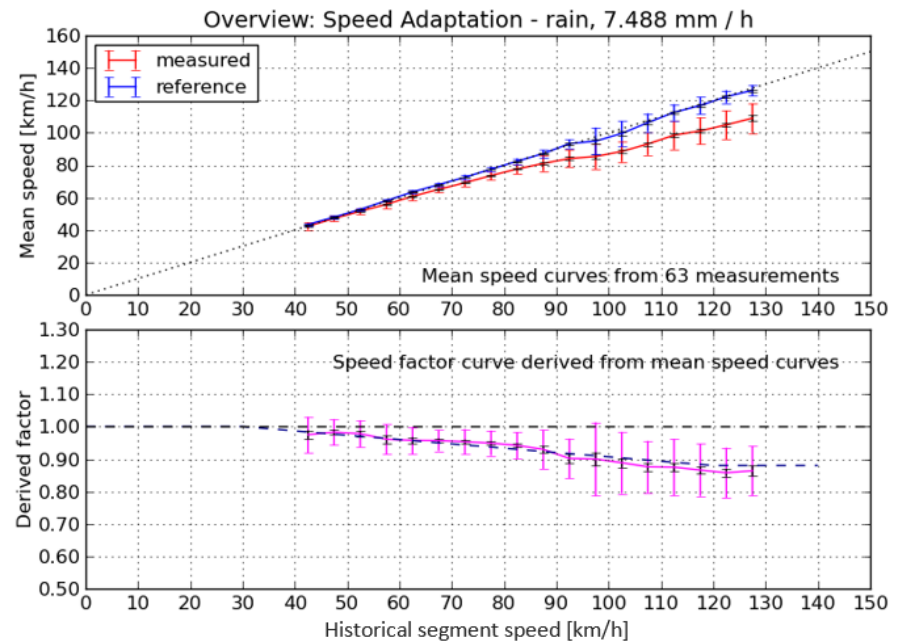
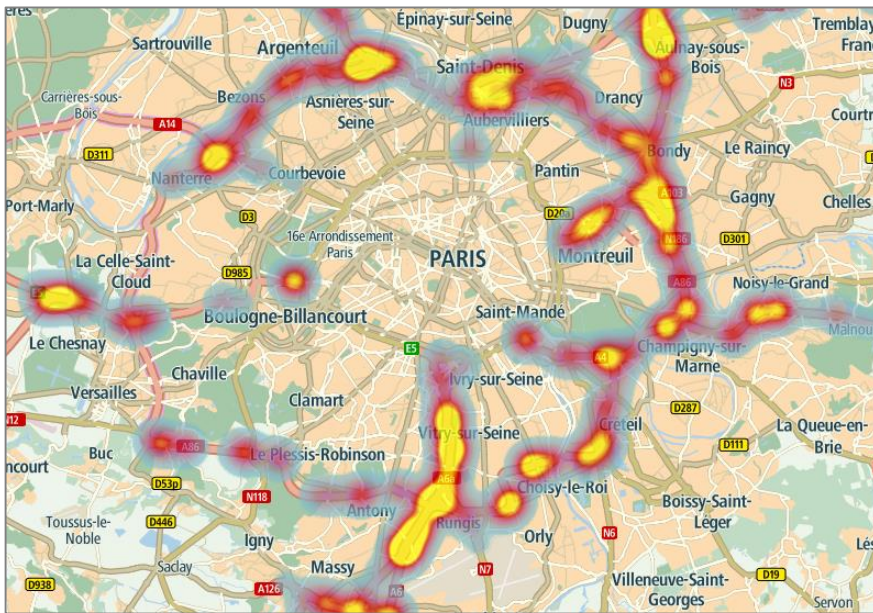


Severe Weather

Road side message



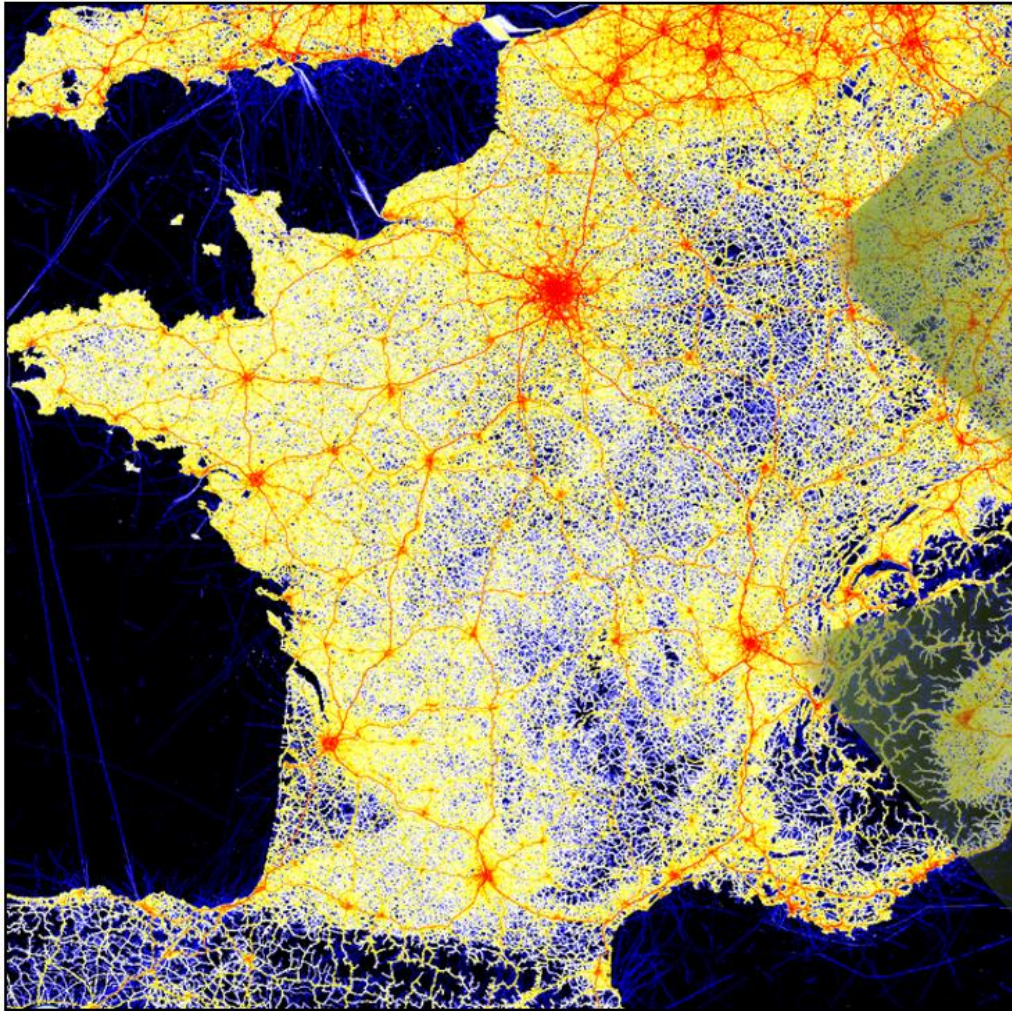
Analyze the road network to detect long term patterns



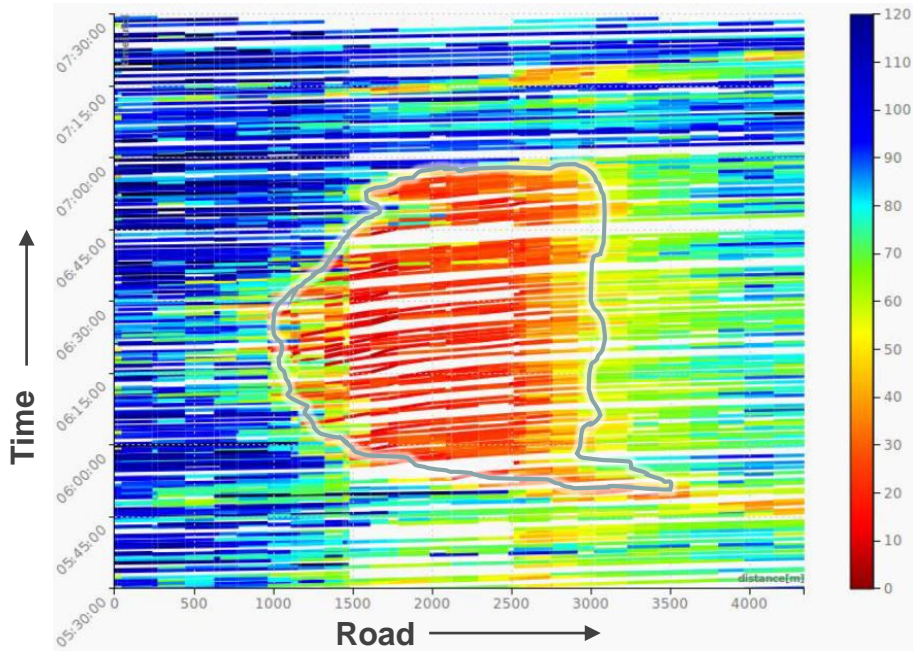
TomTom collects data from many sources



GPS Traces in France



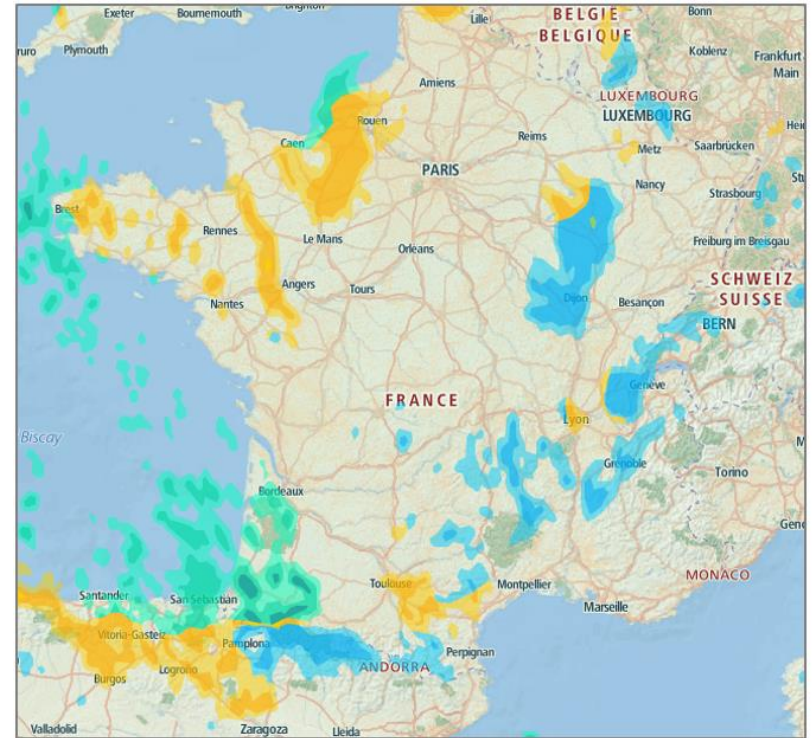
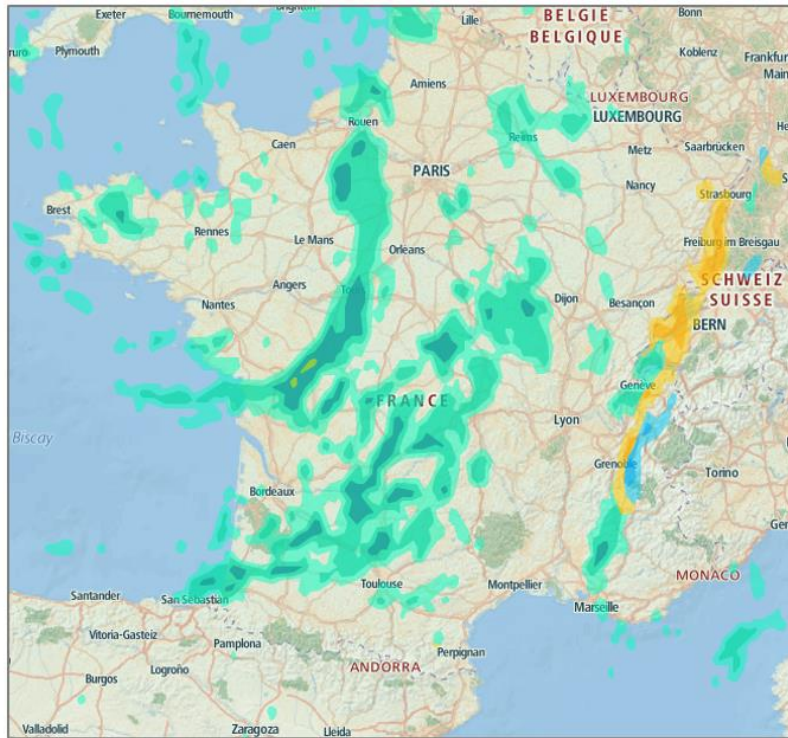
Floating Car Data



Traffic Jam Warnings

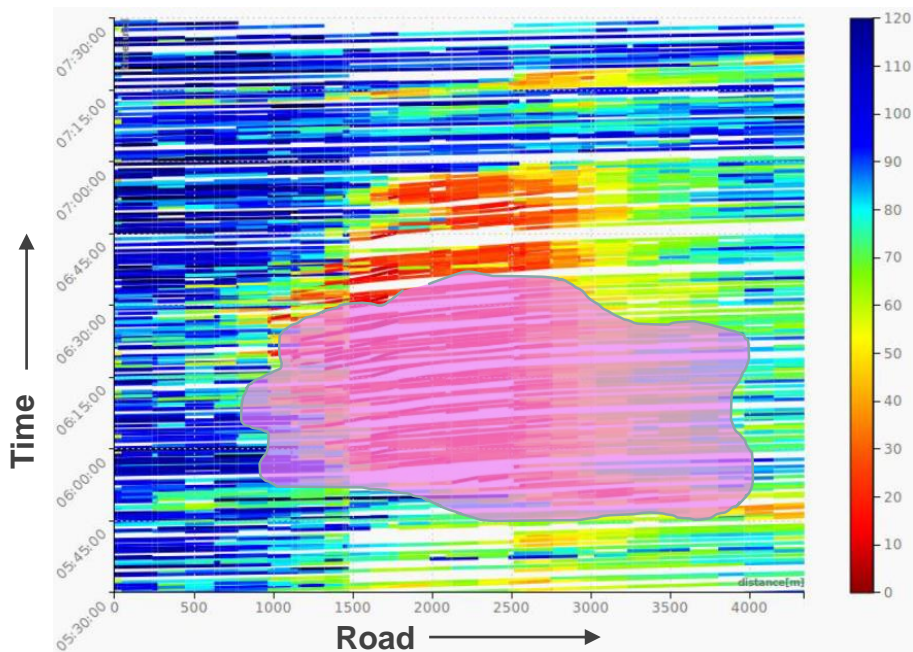


Real-time polygon data showing rain or snow

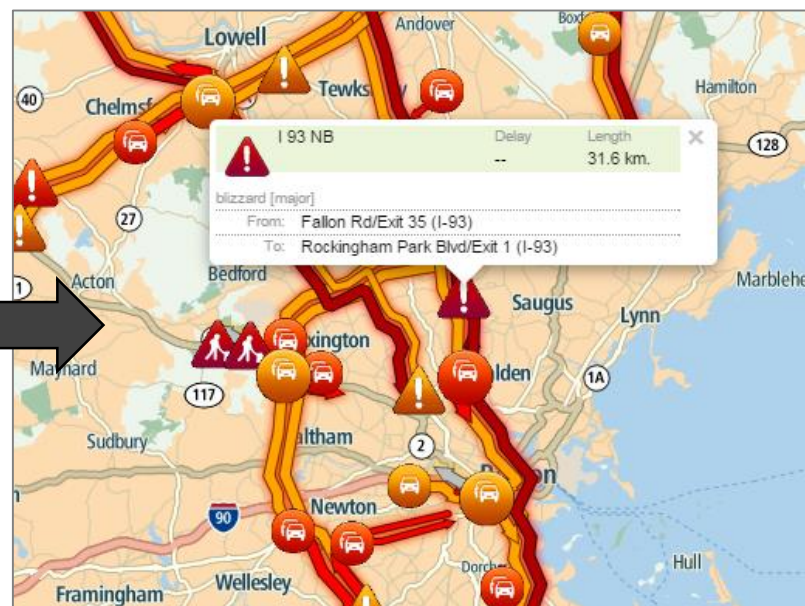


Weather related slow traffic warning

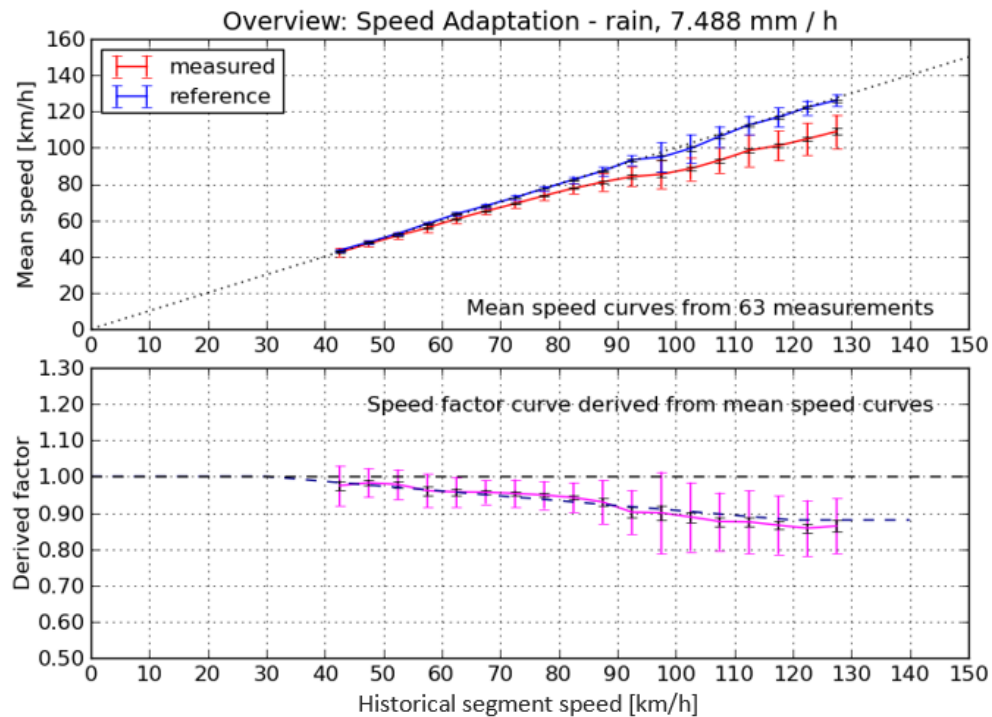
Floating Car Data + Weather



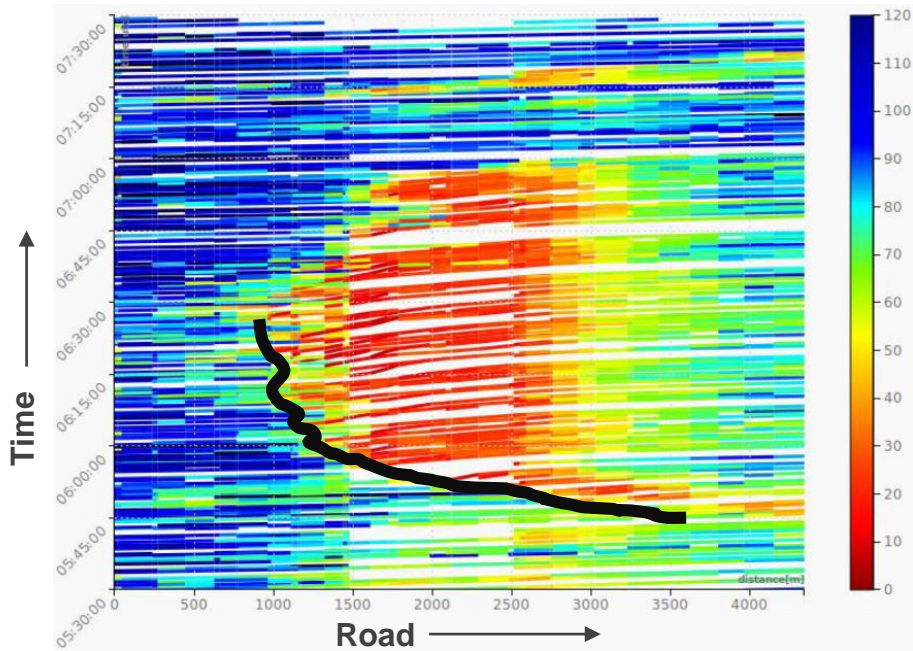
Weather specific traffic warnings



Long term analysis: What is the impact of weather on traffic?



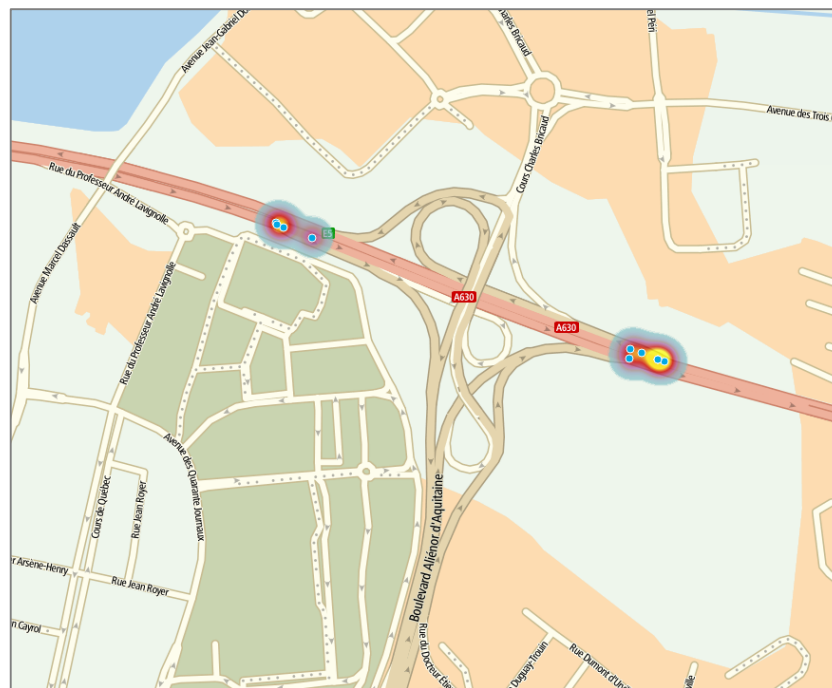
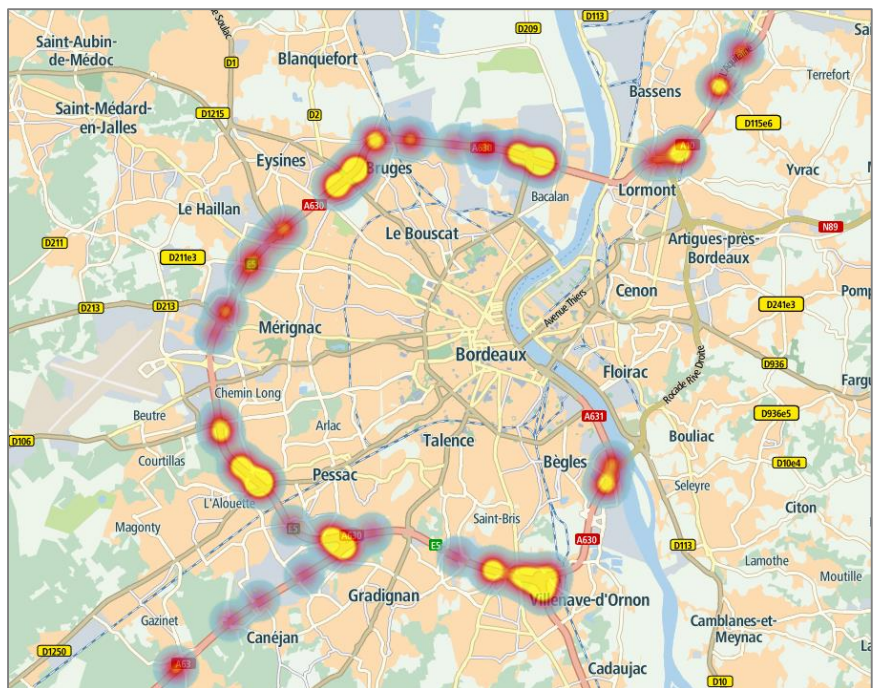
Floating Car Data



Jam Tail Warning



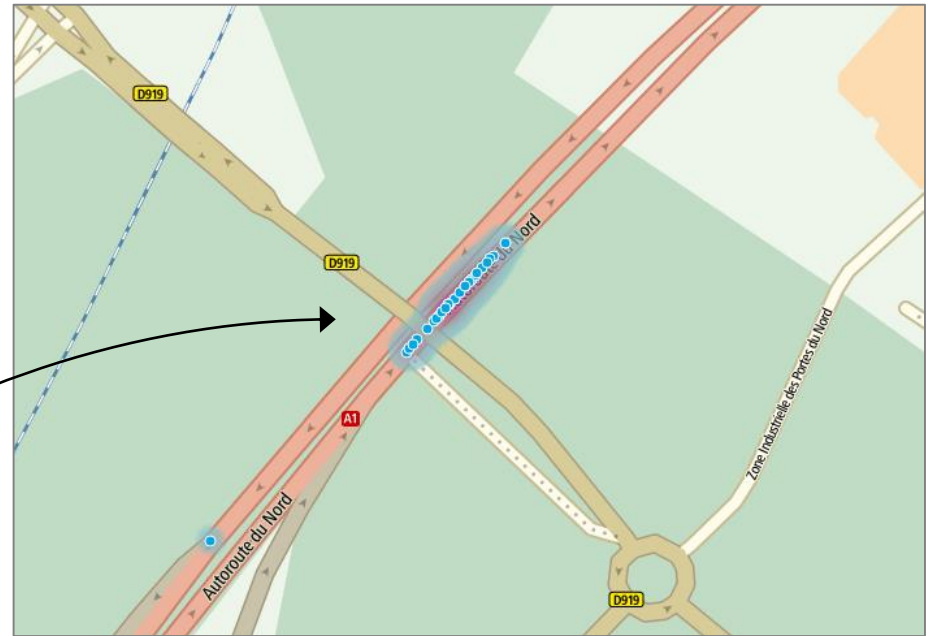
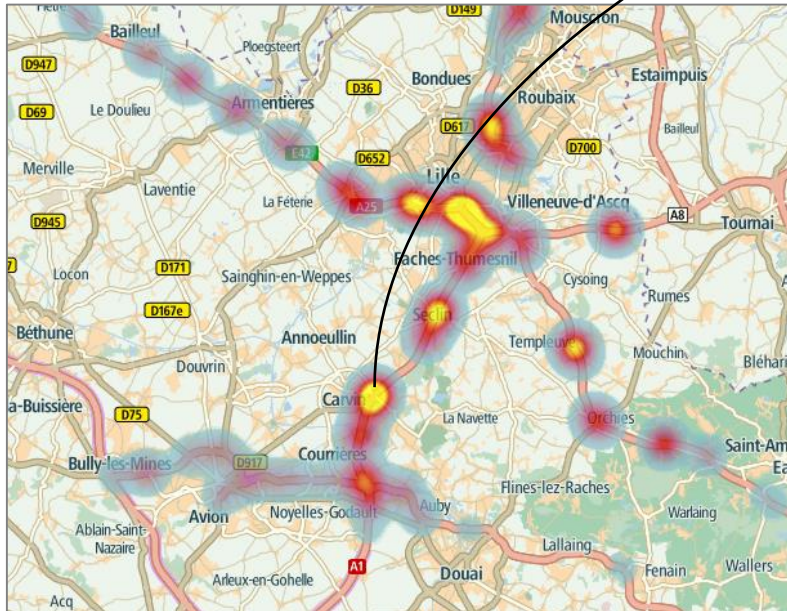
Which locations have frequent jam tail warnings?



Libercourt example

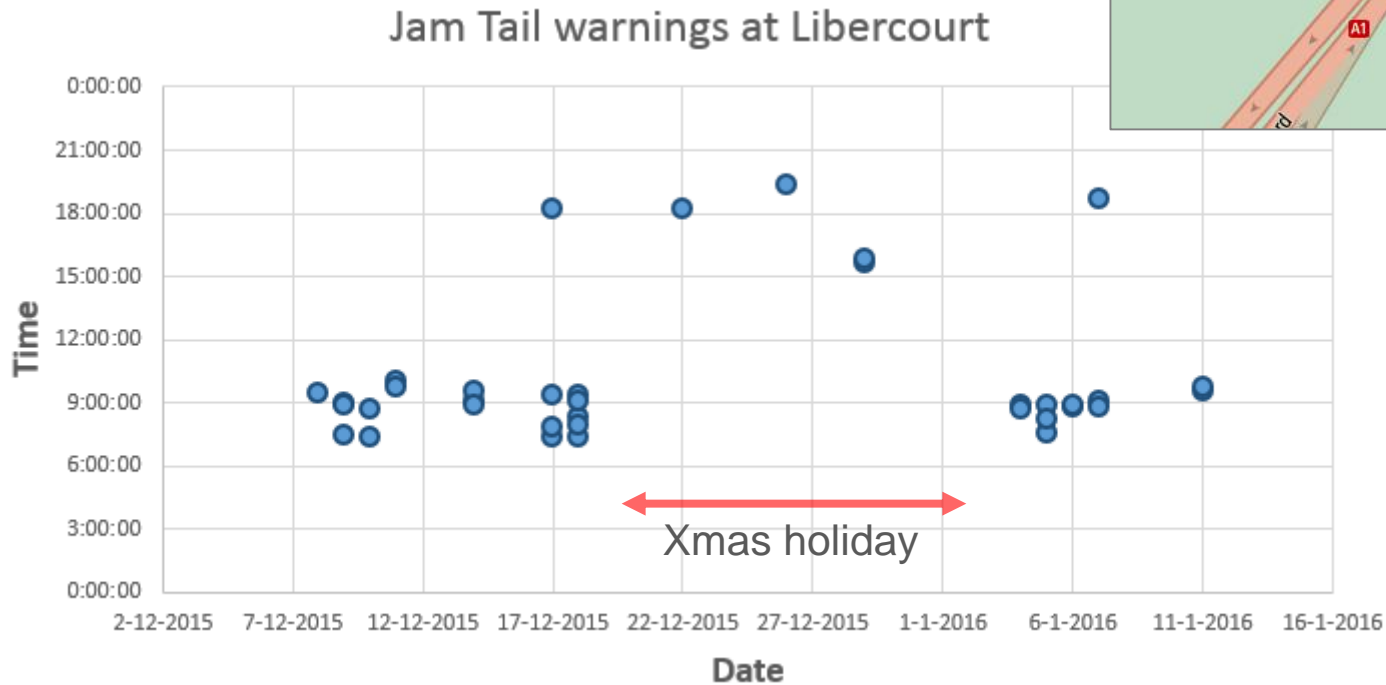
There is a clear issue south of Lille, at the highway entrance between Libercourt and Carvin.

Dangerous situation caused by a somewhat secluded onramp followed by a bridge

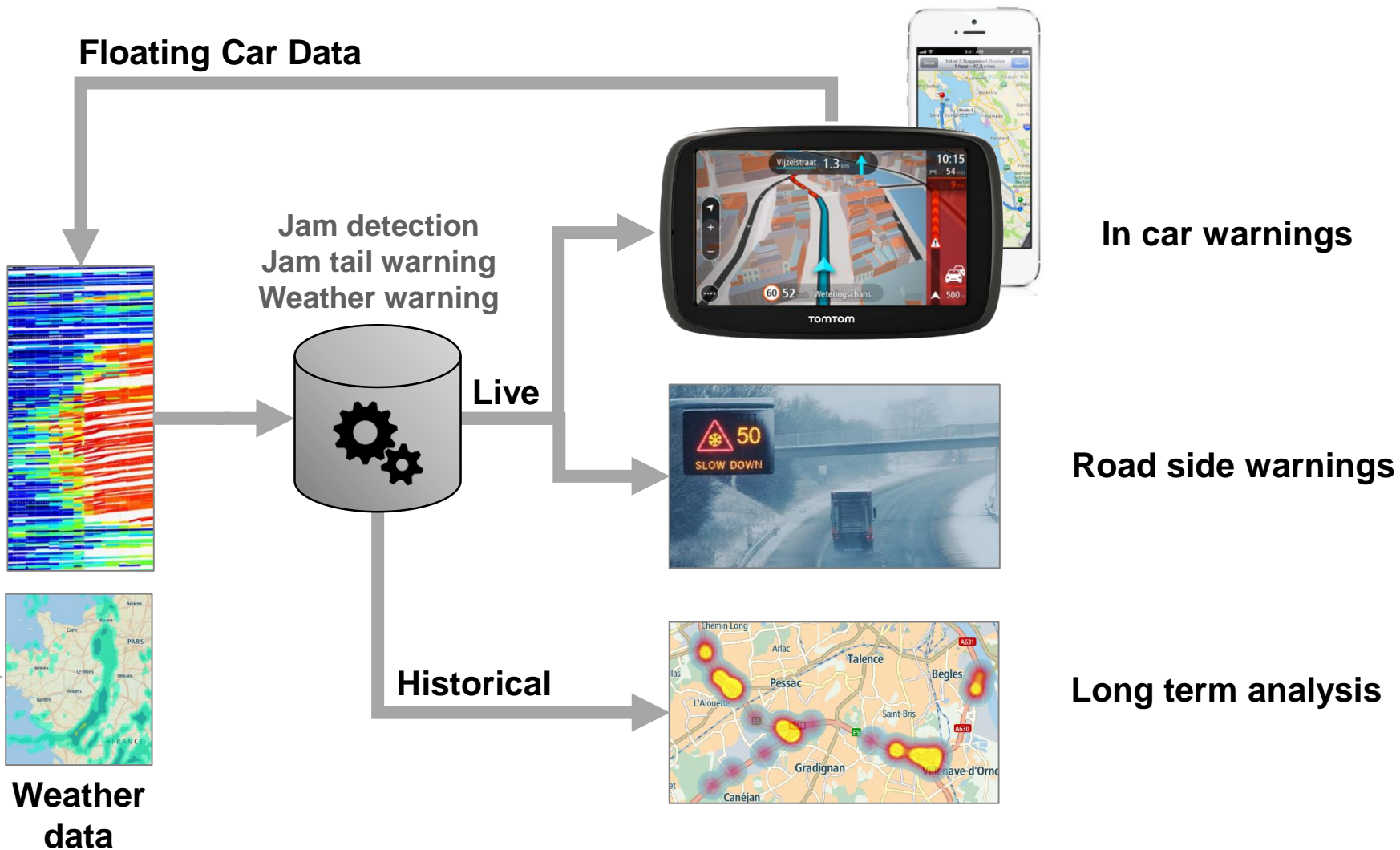


Libercourt example

We can clearly detect the most dangerous times and days



Summary





Thank you,
Any questions?

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