

EcoTour: Reducing the Environmental Footprint of Vehicles Using Eco-Routes

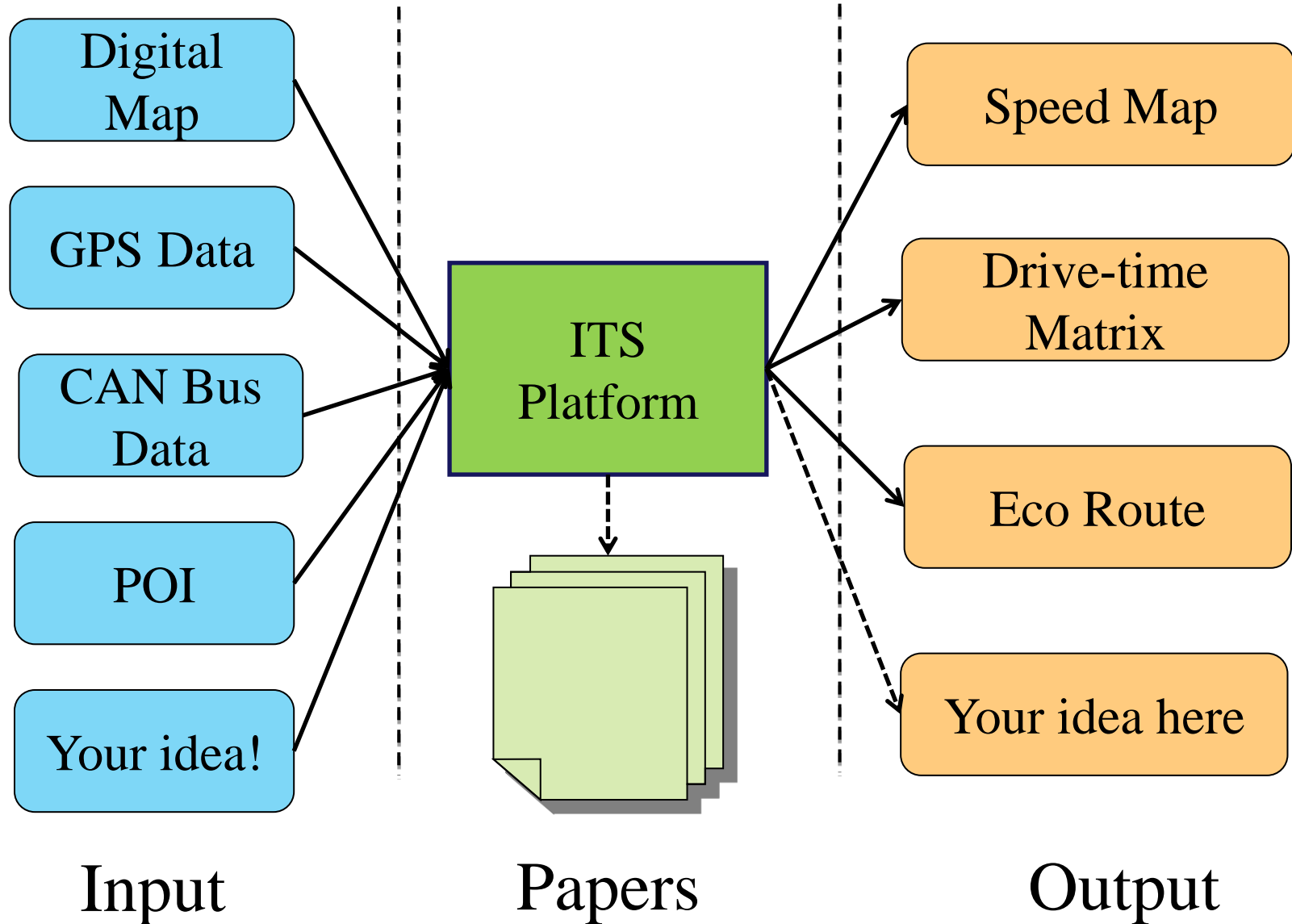
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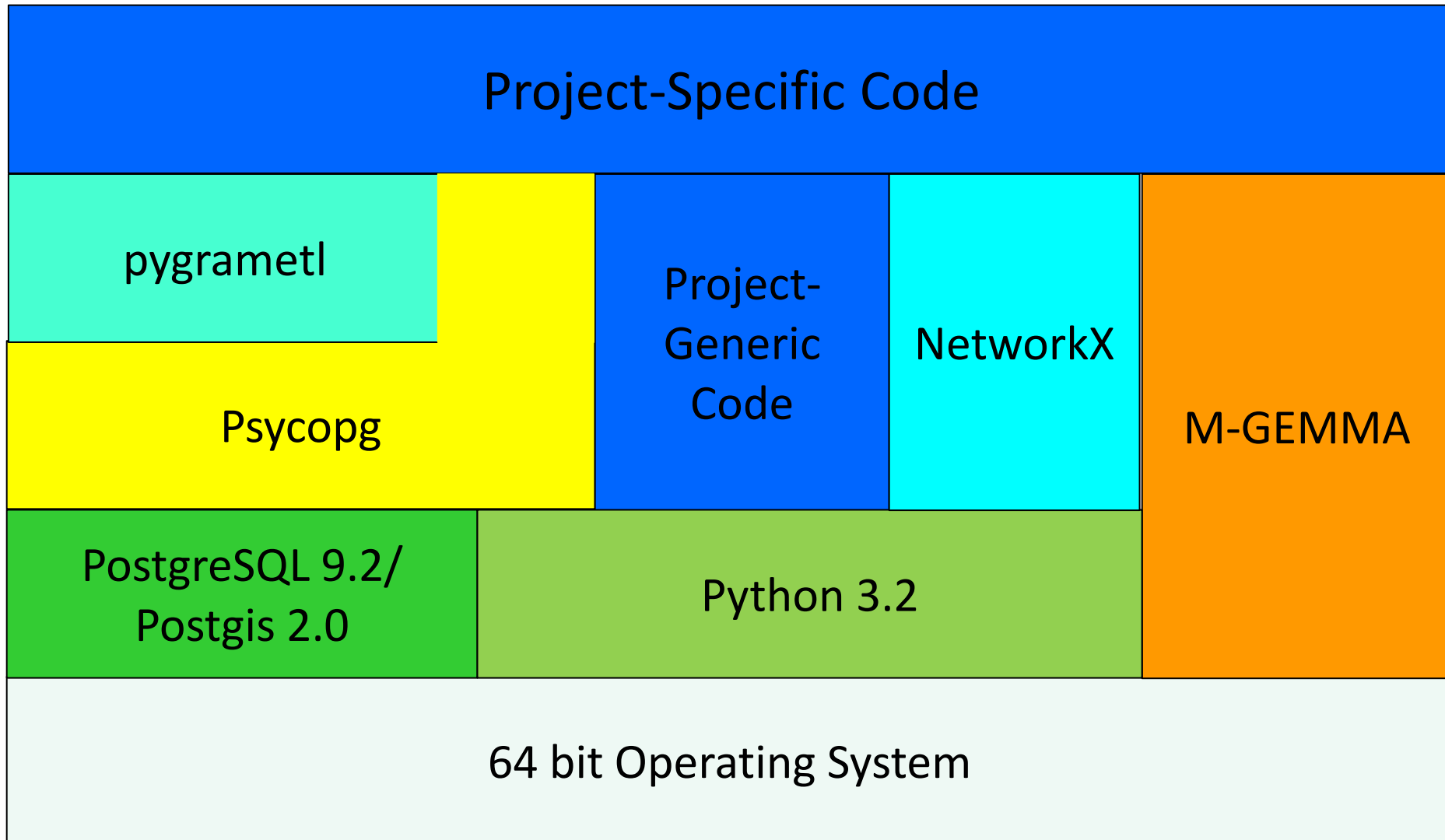
xcalibur@cs.aau.dk, csj@cs.au.dk, torp@cs.aau.dk, byang@cs.au.dk



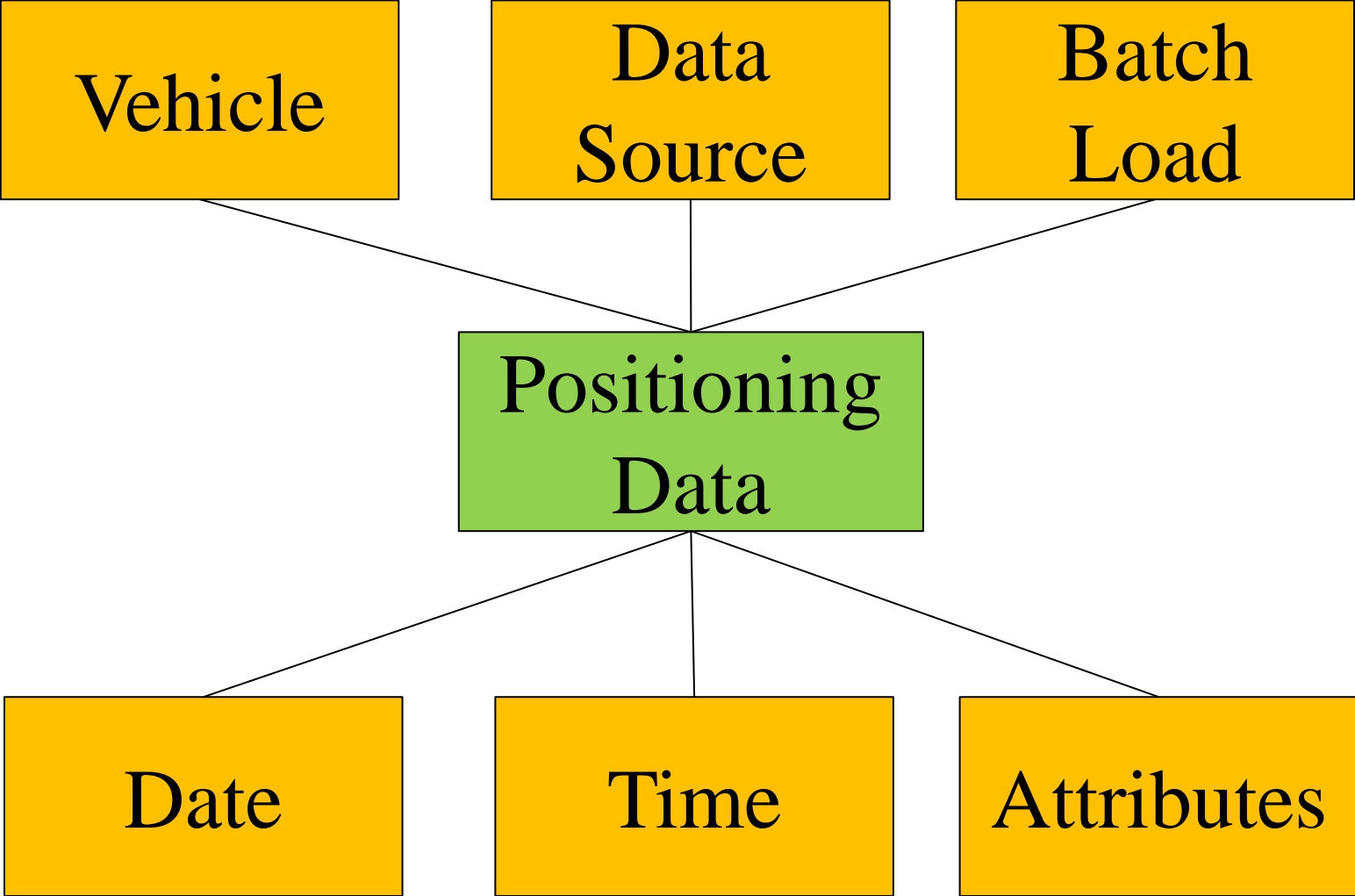
Platform



Software Architecture



Data Warehouse Design



Statistics



Description	Count
Number of GPS records	1.816.403.782
Number of CANBus records	82.559.023
Number of vehicles	13.110
Number of trips	1.750.654

Description	Count
Number of edges	659.595
Number of nodes	570.955



<http://daisy.aau.dk/its/>

Routes: Skagen - Aalborg



Fastest

Shortest

Eco-route

Web Tool: Copenhagen, Denmark



- Very different routes
- Different travel-times
- Different fuel usage



Fuel	32:01	19.11 km.	1.64 l.
Fastest	22:28	33.43 km.	3.00 l.
Shortest	30:47	18.94 km.	1.67 l.

Acknowledgement



protracking