

A decorative graphic on the left side of the slide consists of several overlapping, curved, horizontal bands in yellow, orange, and red, resembling a stylized sun or a series of steps.

PHOEBE

**A predictive road safety approach
for emerging urban challenges**

James Bradford, Technical Director, iRAP
james.bradford@irap



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101076963

UK participants in Horizon Europe Project PHOEBE are supported by UKRI grant numbers 10038897 (The International Road Assessment Programme – iRAP) and 10056912 (The Floow)

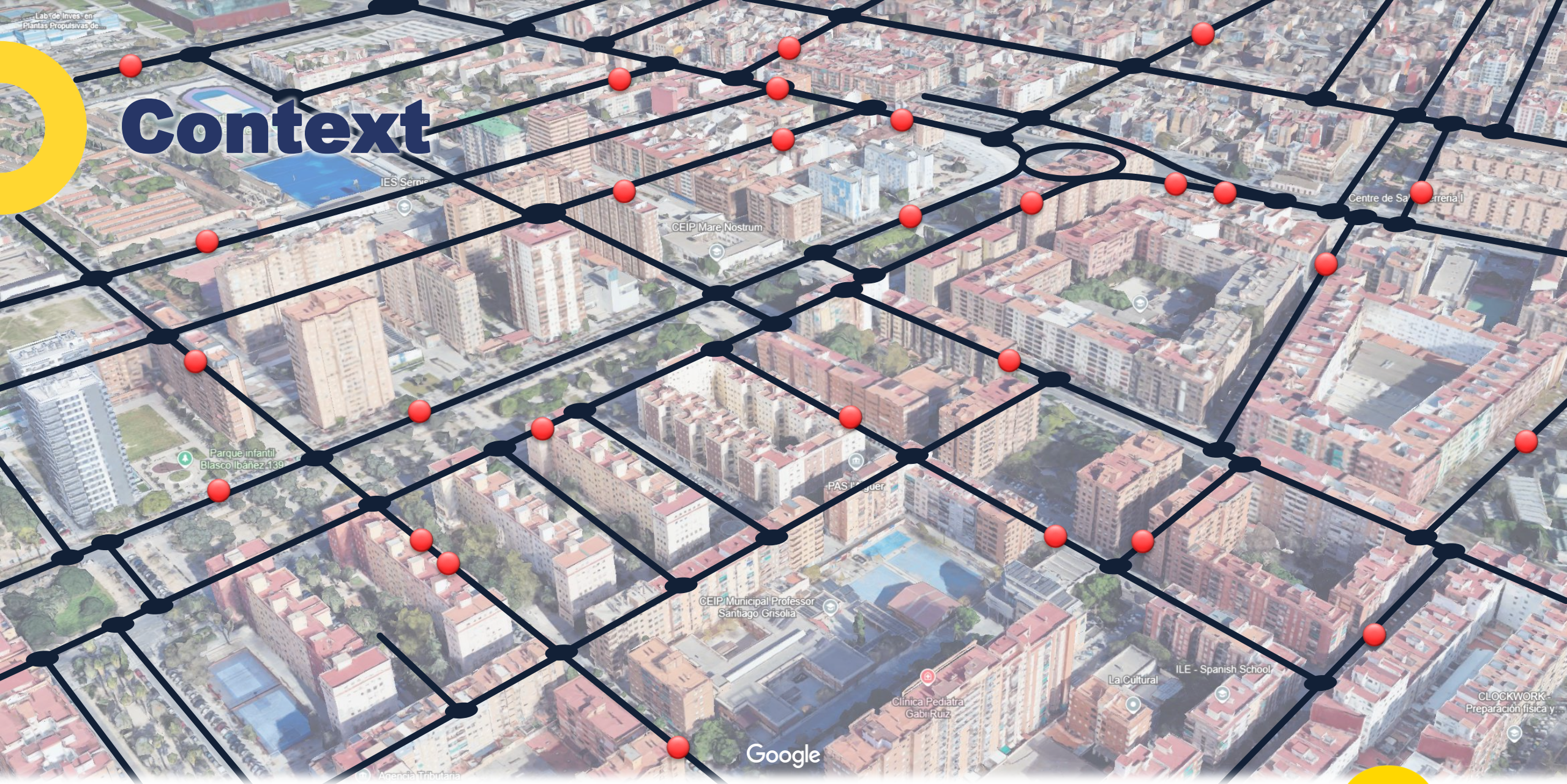
Context



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Context



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Who?



The Floow



POLIS
CITIES AND REGIONS FOR TRANSPORT INNOVATION

TUM

TU Delft

FACTUAL



aimsun.



UNIVERSITAT
POLITÈCNICA
DE VALÈNCIA

EIRA
EUROPEAN INSTITUTE
OF ROAD ASSESSMENT



oseven
DRIVING FORWARD



National
Technical
University
of Athens

PHOEBE



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Where?



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Where?

 **VLC**



 **AT**



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Where?

 WM

**WEST
MIDLANDS**

 VLC

VALENCIA

 AT

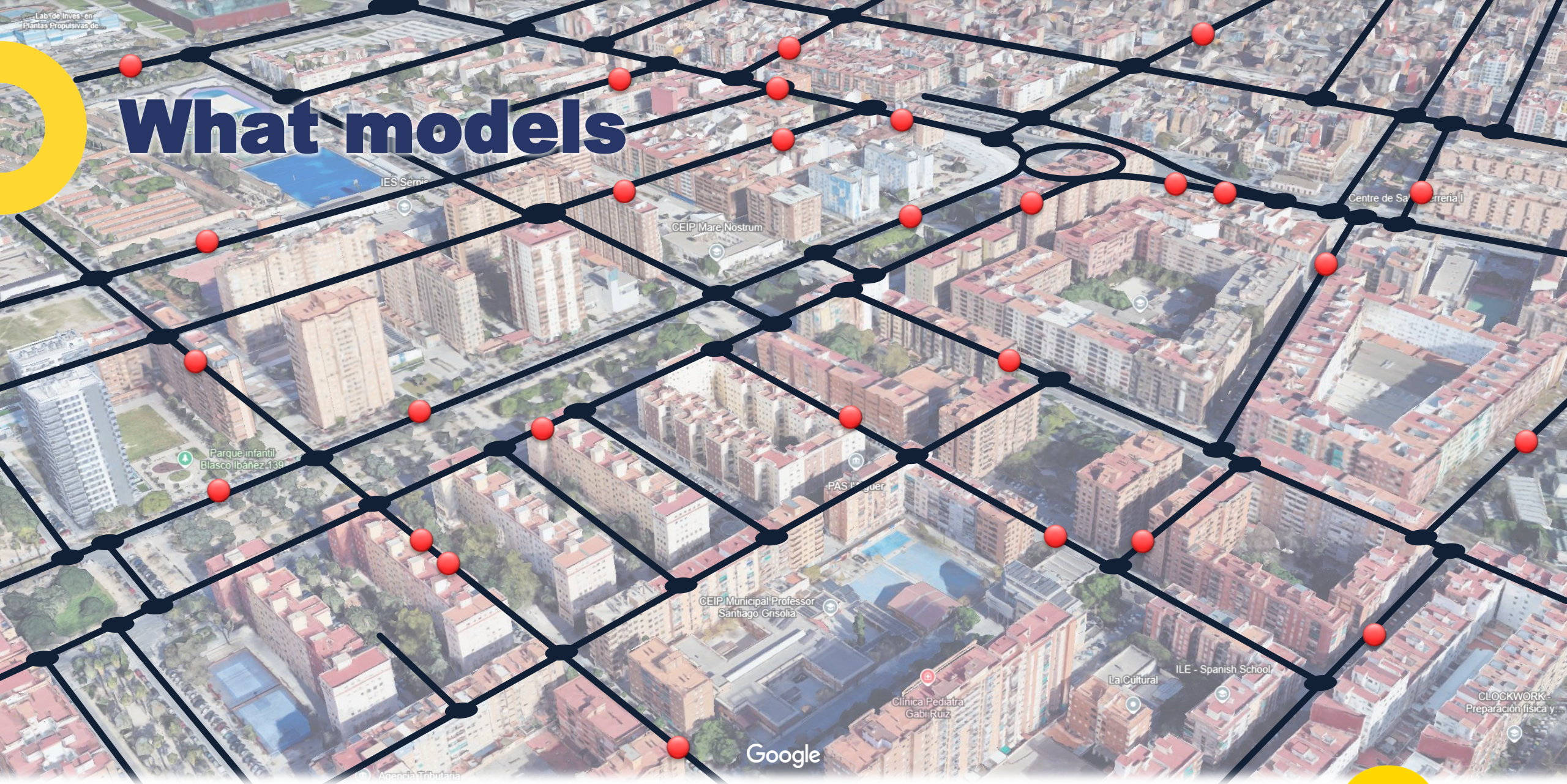
ATHENS



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What models



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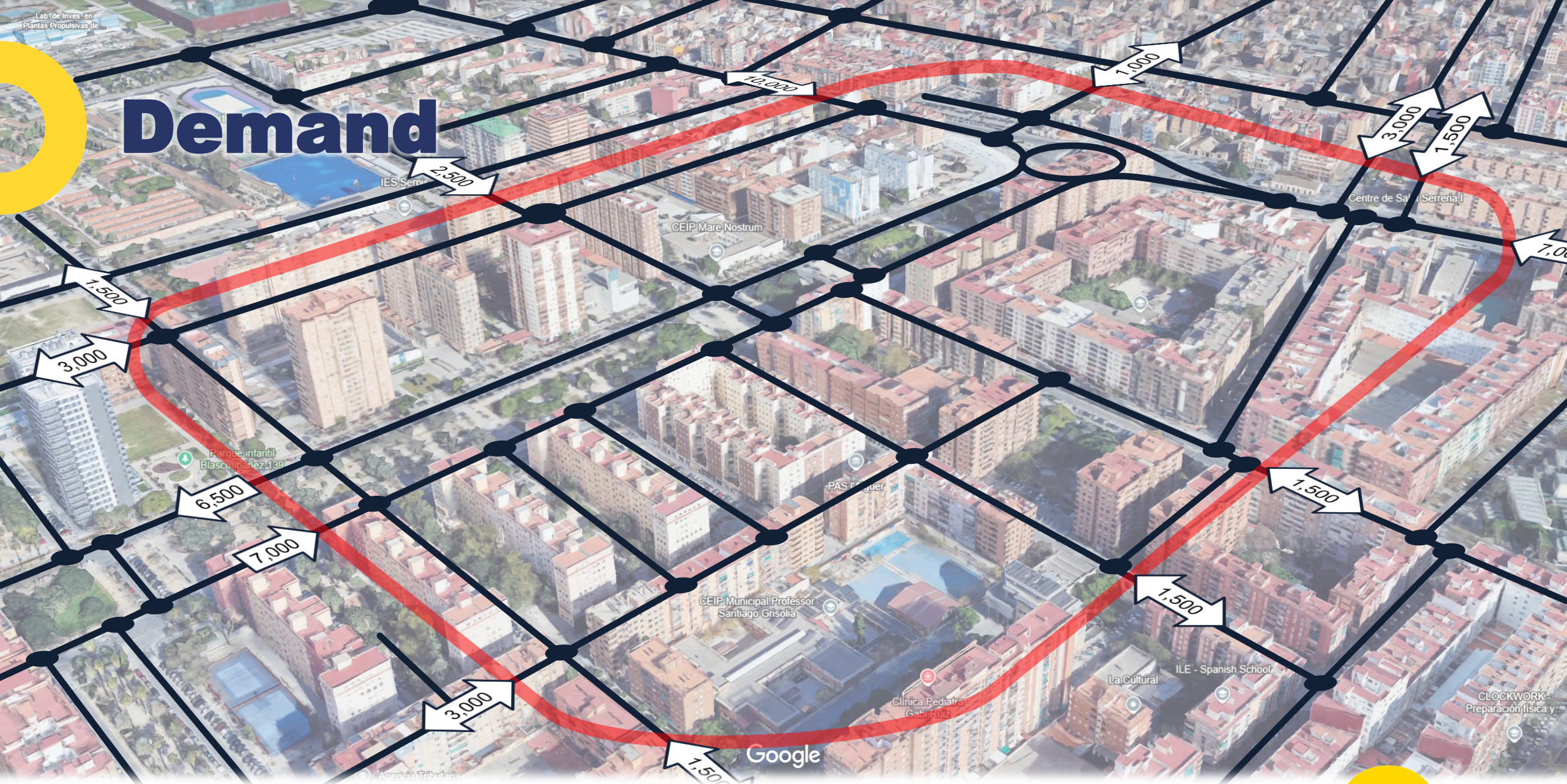
Microsimulation



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Demand



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Risk Assessment

Google

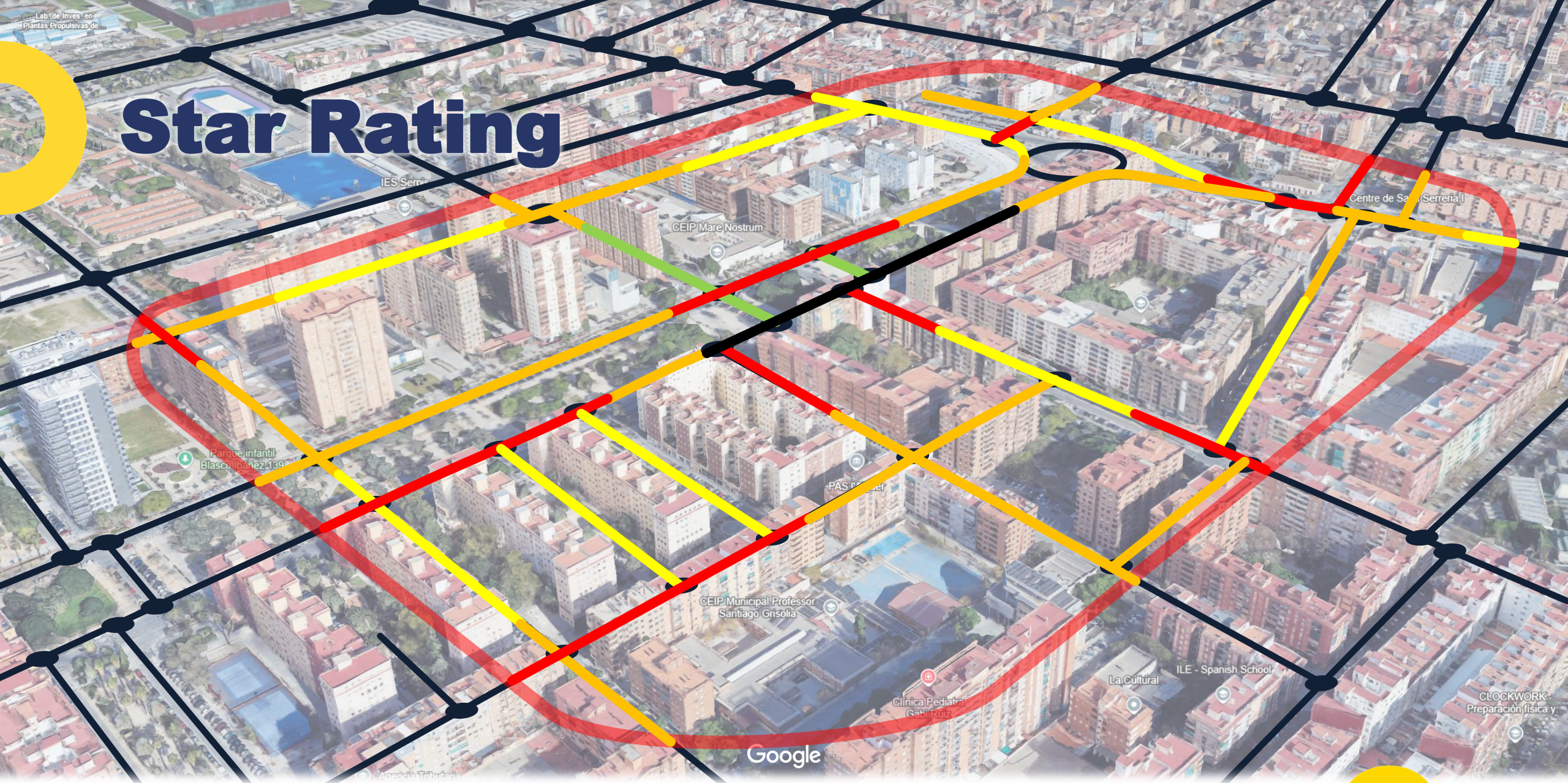


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Star Rating



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Data alignment



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VRUs

cyclerap

Google



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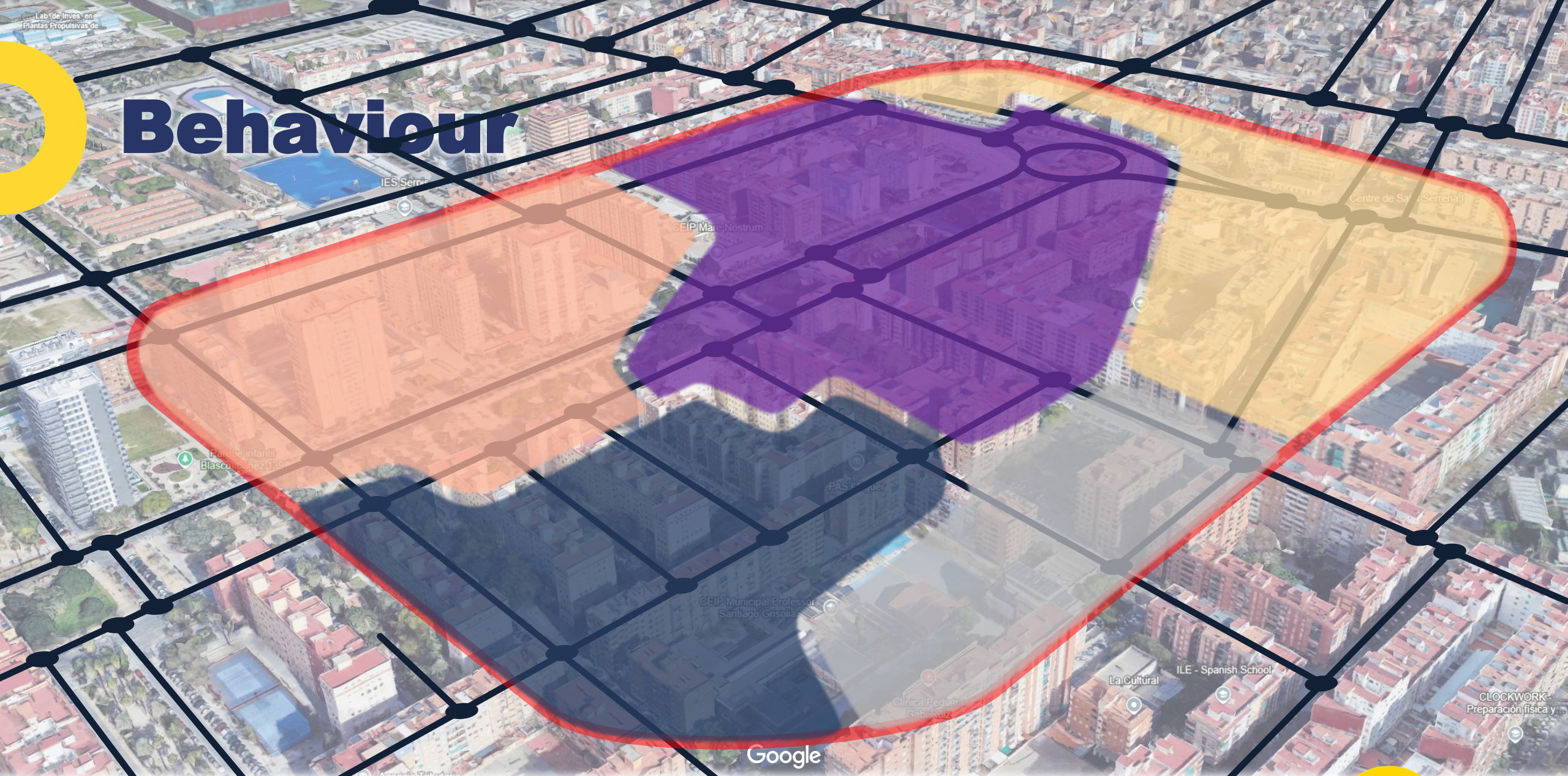
Behaviour



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Behaviour

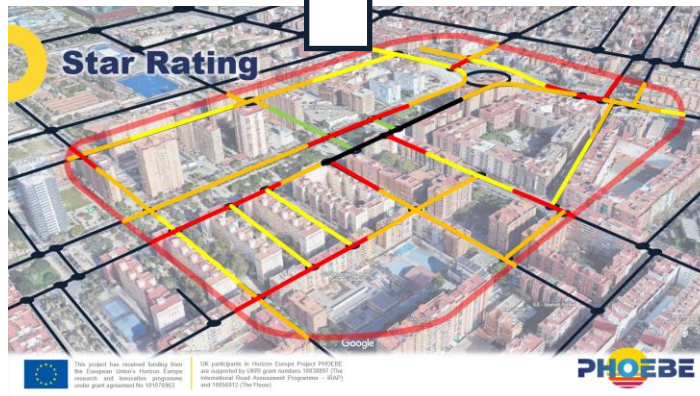


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Bring it together

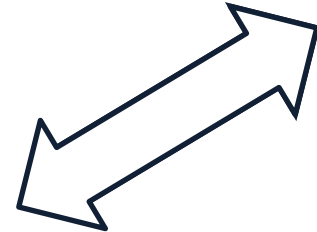
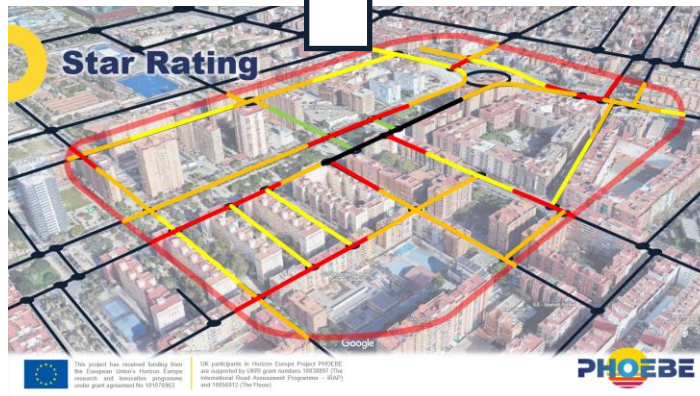


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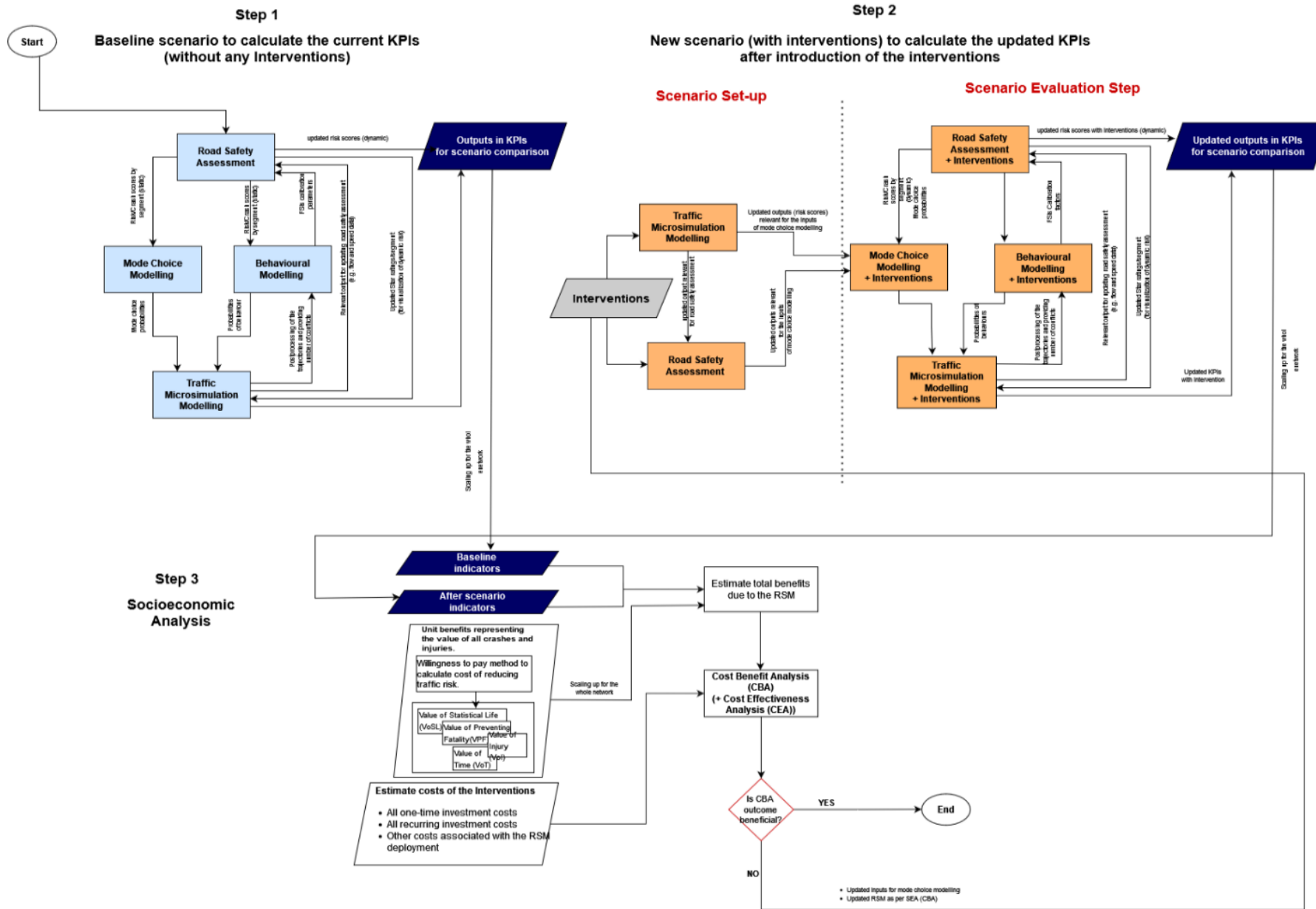
Bring it together



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THANK YOU!

James Bradford, iRAP



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