



# BERTHA

**Driver Behavioural Model  
development to make  
autonomous vehicles safer  
and more human-like**

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## THE BERTHA PROJECT



BERTHA's main goal is to develop a scalable Driver Behavioural Model (DBM), based on probabilistic modelling, covering physical, cognitive, and emotional domains, including personal, cultural, and contextual factors.

Following a human-in-the-loop approach, this model will allow for more human-like connected autonomous vehicles, thus increasing road safety and promoting their social acceptance.



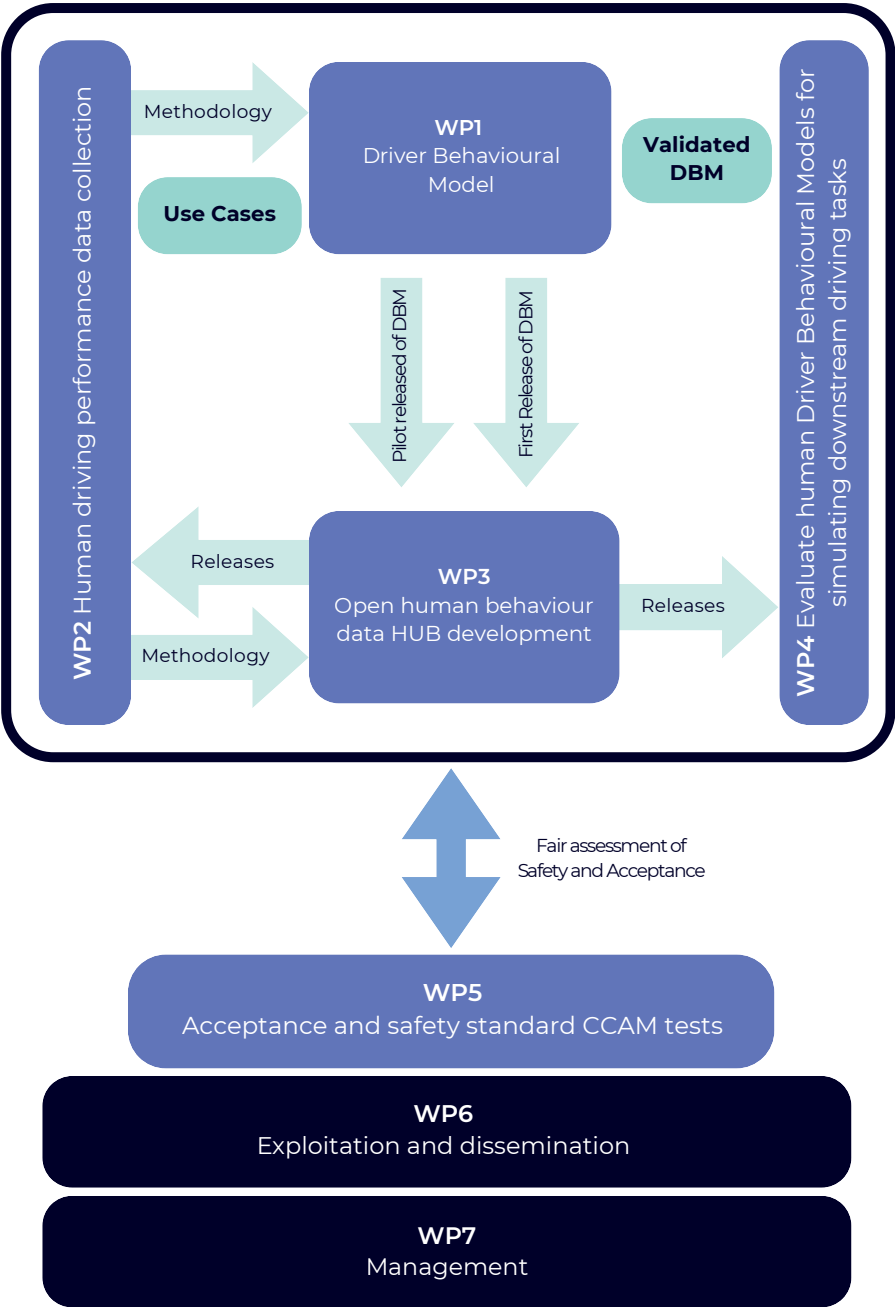
The DBM will be implemented on an open-source HUB for its industrial validation and future scalability. Moreover, it will be translated into CARLA, an open-source driving simulator for research on autonomous vehicles.

A set of interrelated demonstrators will be implemented to show the DBM approach as a reference for developing more human-like autonomous vehicles.



BERTHA puts forward a new disruptive model to overcome present shortcomings in the industry of Cooperative, Connected & Automated Mobility (CCAM) in regards to the human perspective.

# WORKPACKAGES



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## Project consortium



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