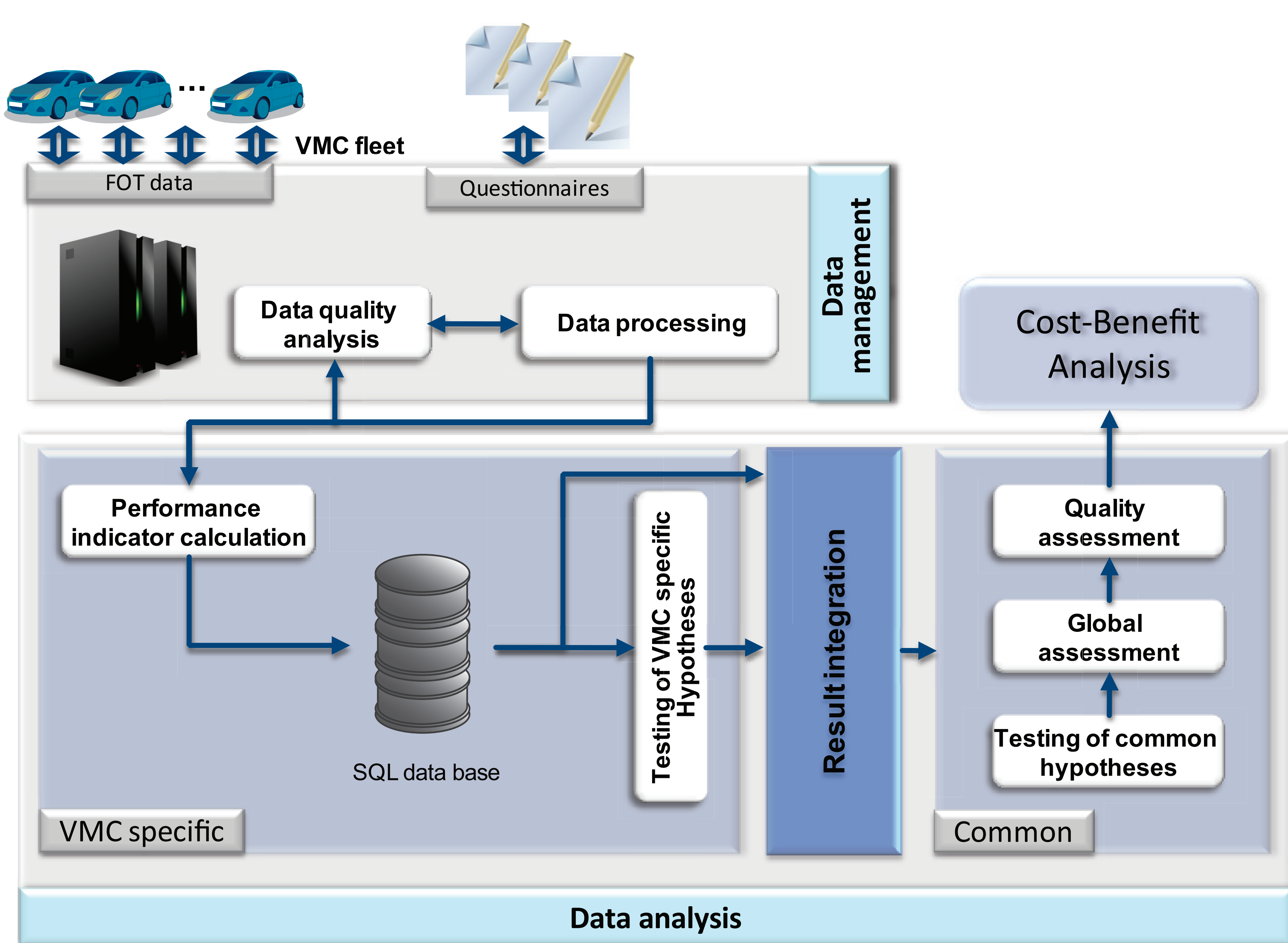


## Research Questions and Hypotheses Testing

Following the FESTA V methodology's top right side means that euroFOT partners analyse all the collected and processed data from the different Vehicle Management Centres and provide statistically valid results for each defined hypothesis using different performance indicators.



The hypotheses are analysed from three different perspectives: user acceptance and user-related aspects, impact, and socio-economic cost-benefit analysis. With regard to the first perspective, the impact of the tested systems on driver behaviour and

workload were assessed, together with user acceptance and usability. Both objective and subjective data (collected through questionnaires) were used for this.

Driver behaviour and workload analysis is presented through indicators and metrics, while user acceptance and usability focuses on the following aspects:

- Usability, reflecting systems ease of use and risks of distraction
- Usefulness, including relevance of the system
- Trust, explaining how to use and acceptance
- Usage and individual acceptance, reflecting practical system acceptance and identifying user practices (learning, long term effects...)
- Social acceptance, through subjective ratings and feedback

