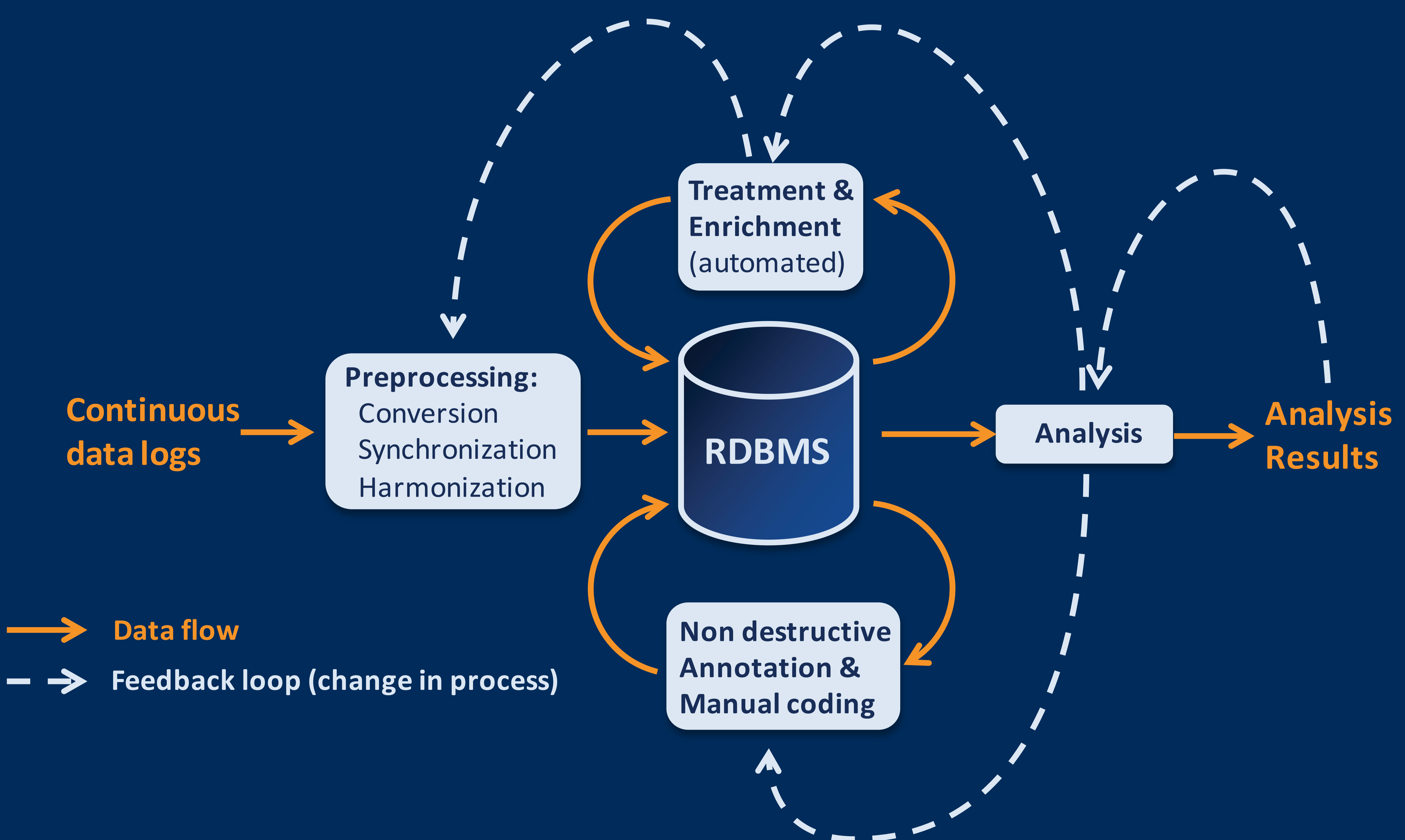


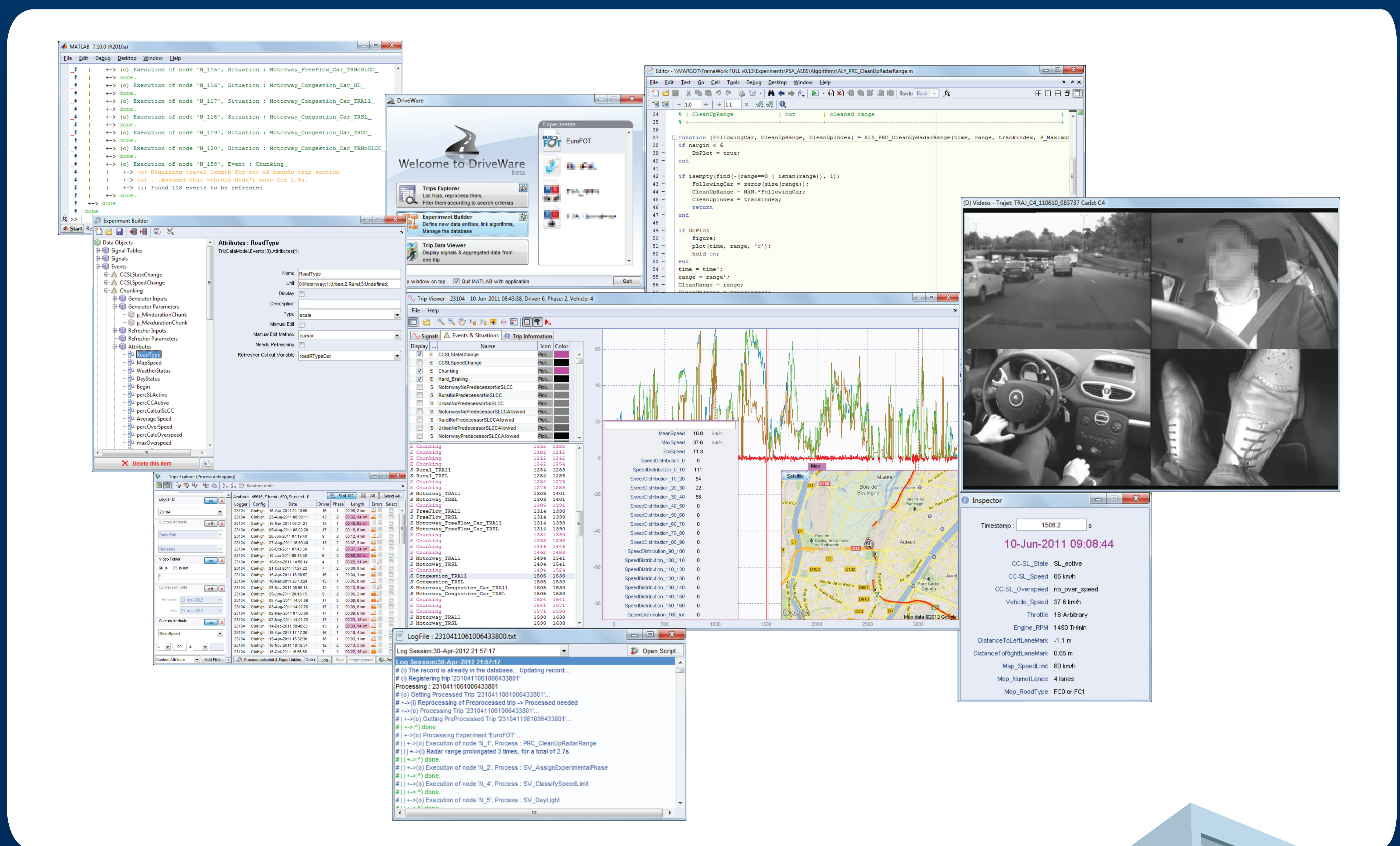
Data Analysis Tools at the French and German 1 Vehicle Management Centres

Before proceeding with analysis, it is necessary to transform the huge amount of raw, continuously acquired data, into a usable, reduced dataset. This reduced dataset consists mainly of relevant events and situations, characterised by their driving context (situational variables such as system use, weather, traffic density, road type) and performance indicators (e.g. average fuel consumption).

This transformation is a complex process, consisting for each trip of a mix of automatic processing and manual annotation, which is made especially challenging by the size of the dataset, collaboration requirements, and the necessity to go back on processing when interim results recommend improvements.



An integrated data analysis software, sitting on top of a relational database, has been designed and used by French and German1 Vehicle Management Centre. It implements a complete separation between scientific tasks and data management, both of which are managed through graphical user interfaces. By giving easy access to data, and by controlling and automating most operations, it facilitates the work of analysts while ensuring data quality and consistency.



The first European large-scale Field Operational Test on Driver Assistance Systems

