ADaMS
Accident Data Management System

A web-based information system for collection, management and analysis of road traffic crash data.

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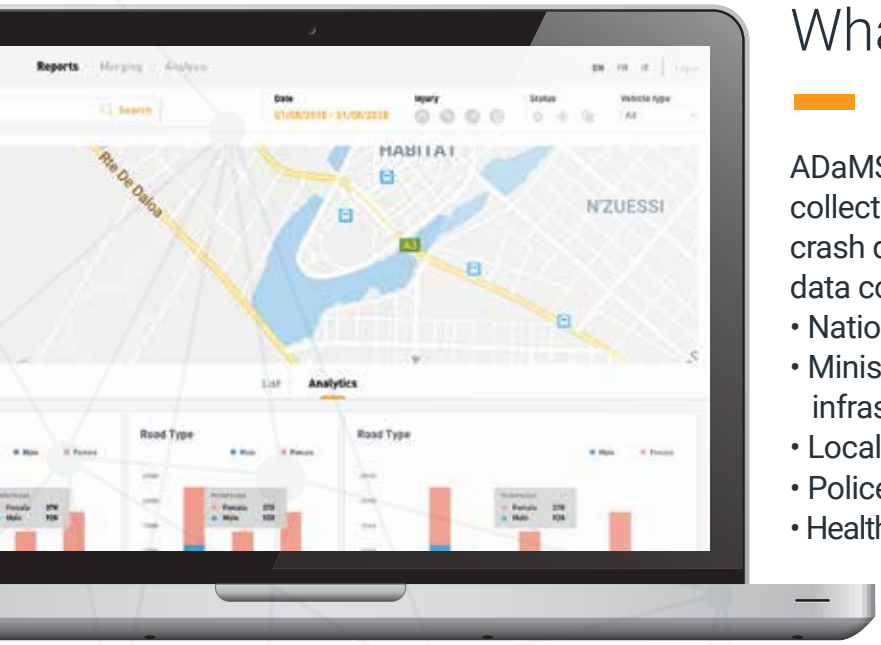


What is **ADaMS**

ADaMS is a web-based information system for collection, management and analysis of road traffic crash data. It supports activities of entities involved in data collection and treatment, namely:

- National road safety centres.
- Ministries in charge of road safety and road infrastructures.
- Local authorities.
- Police forces.
- Health services (e.g. hospitals, emergency services, ...).

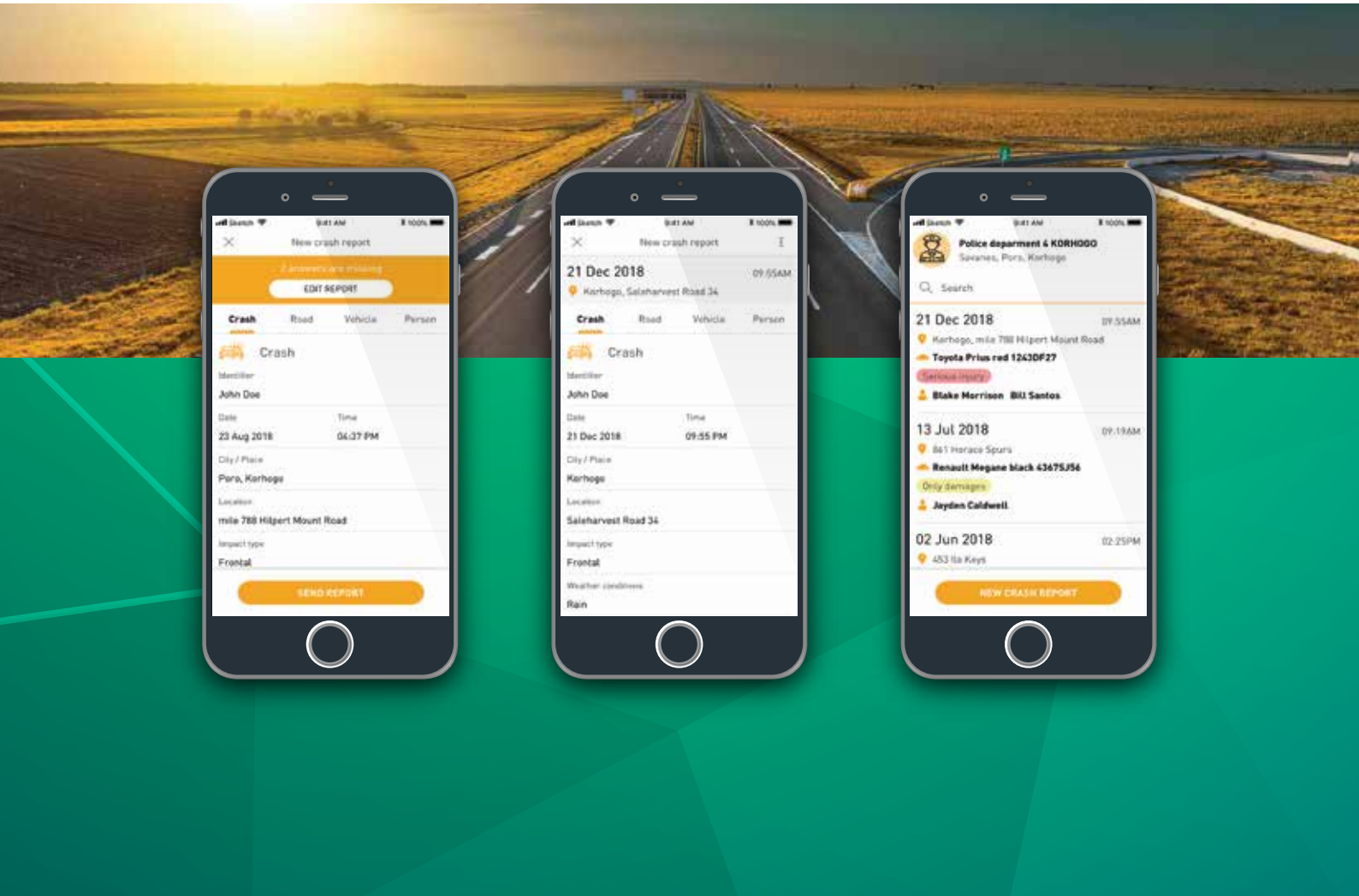
The final objective of ADaMS is supporting these entities in taking road safety actions based on empirical evidence, science and technology.
ADaMS is a fully web-based software capable of managing a large number of road traffic crashes and of analysing them through GIS formats. Being interfaceable with GPS, it allows for the exact location of road traffic crashes on map.
ADaMS has been designed to guarantee complex and stringent IT and security standards, so that sensitive data stored into a central database are fully protected. Advanced backup functions eliminate the risk of potential loss of data.
ADaMS provides advanced features for road traffic crash data collection, storage, management, analysis and reporting. Its modules are very intuitive and supports all normal activities of usual road safety stakeholders.

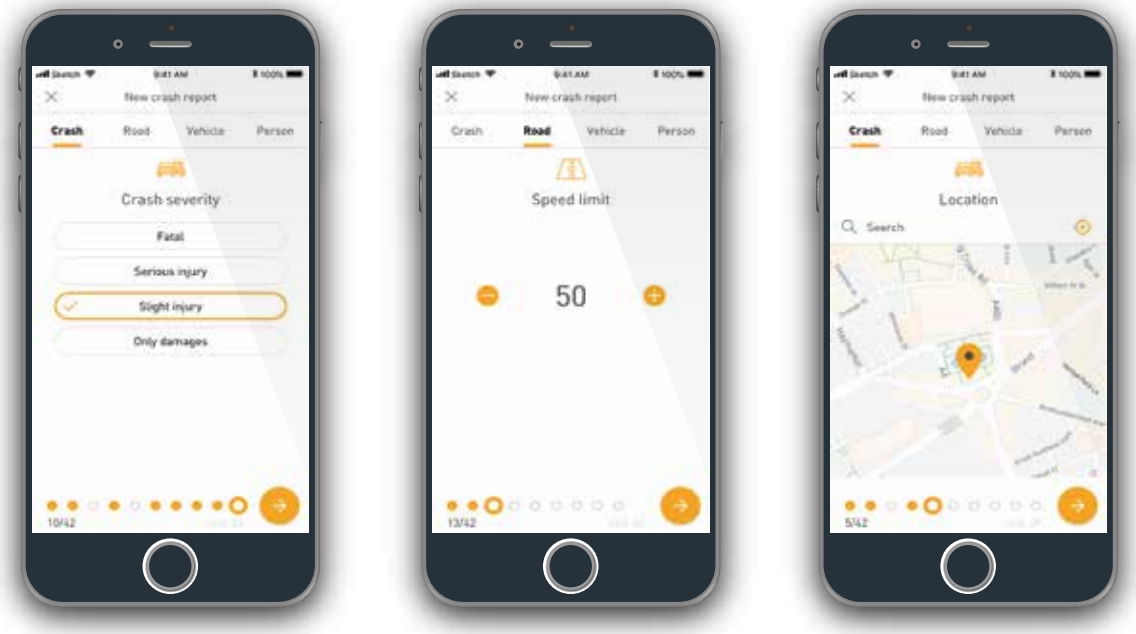
ADaMS supports road safety stakeholders in:

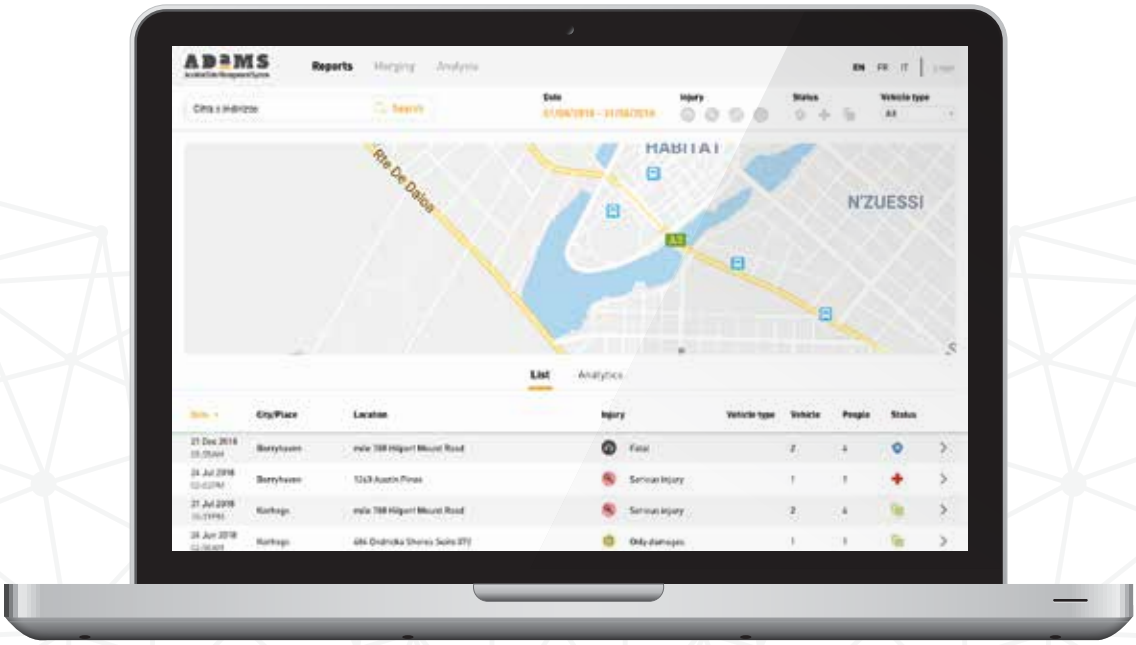
- Collection of road traffic crash data directly on the field.
- Collection of data on persons injured in road traffic crash (at health services).
- Merging information and follow up of persons injured (up to 30 days after the crash).
- Management and maintenance of a national road traffic crash database.
- Sharing of data and information among road safety stakeholders.
- Identification of road safety issues based on in-depth road traffic crash data analysis.
- Establish road safety action plans and identify suitable interventions to specific problems.
- Evaluate implemented interventions.
- Monitor road safety trends.

Key features of **ADaMS**

- Solution adaptable to a specific local context.
- Scalable and modular software: developed according to the needs.
- Web-based software solution.
- Usable as mobile application and / or desktop solution.
- Fully multi-user, multi-entity system.
- Usable for on-field data collection by police forces.
- Usable for injured persons data collection by health services.
- Real-time data sharing among stakeholders involved in the process (police, health, ministries, road safety observatories, etc.).
- Mobile application available for Android and IOS.
- Easily mergeable with external databases (e.g. road infrastructures, vehicles, etc.).
- Use of open source devices such OpenStreetMap, MySQL, etc.
- GIS functions available on a wide range of map solutions.
- GPS features for exact road traffic crash location.
- Black spot analysis.
- Roles of entities and personnel easily customisable.
- Functions allowing to avoid exchange of sensitive data.
- Advanced backup functions.
- Advanced IT and security protocols.
- In-depth data analysis functions (including black-spots, road section analysis).
- Comprehensive data analysis thanks to fully open filters on all stored data elements.
- Multi-language capability (native French and English software).







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