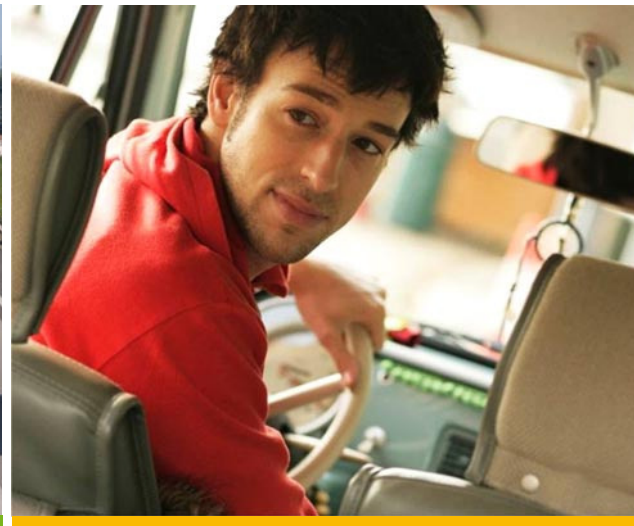


Traffic Management



Active Safety



Cooperative Cars



Dr. Stefan Gläser
Volkswagen AG

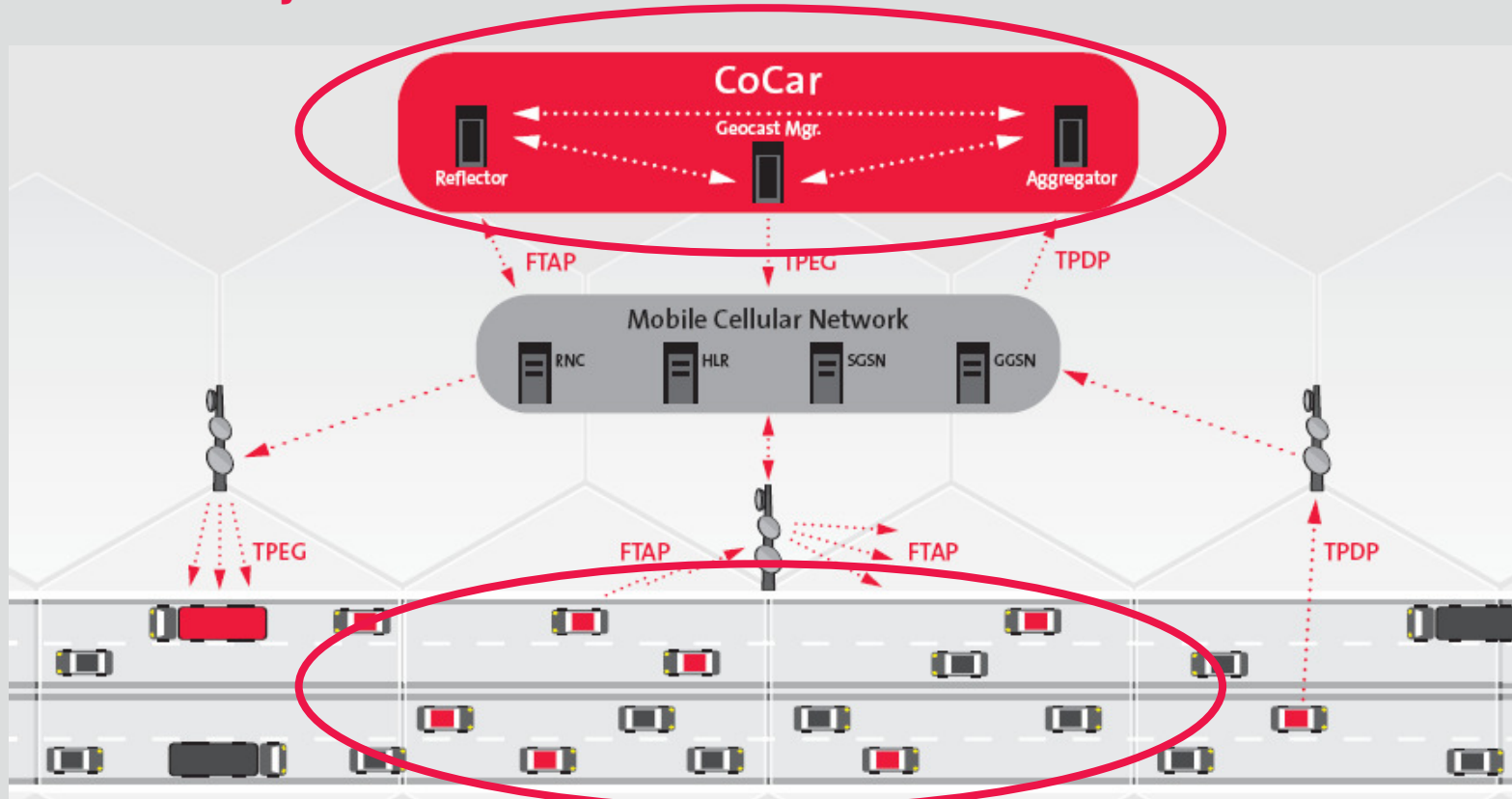
Prototype and Innovation Potential



CoCar Architectural Overview



Backend System



In-Vehicle System

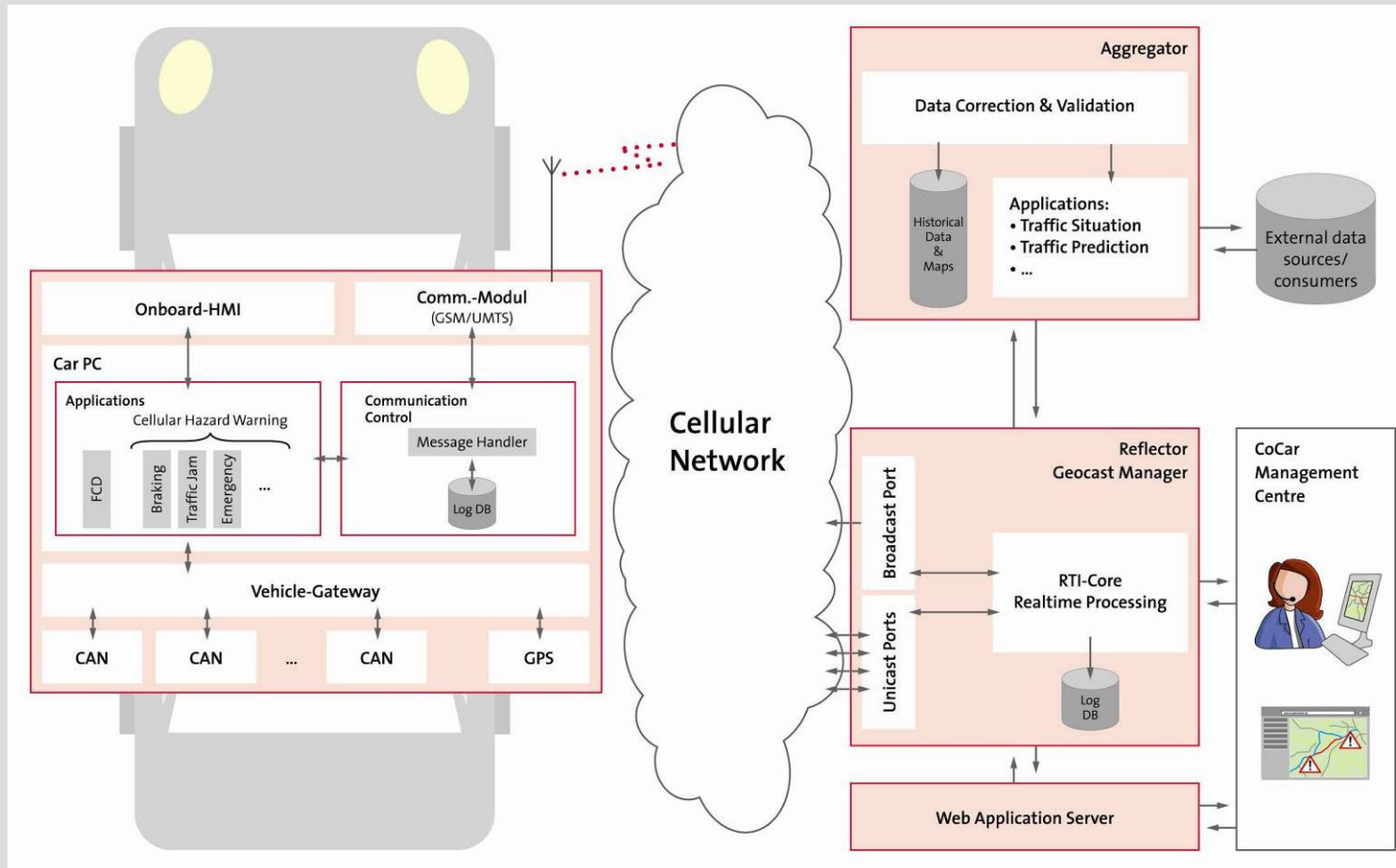


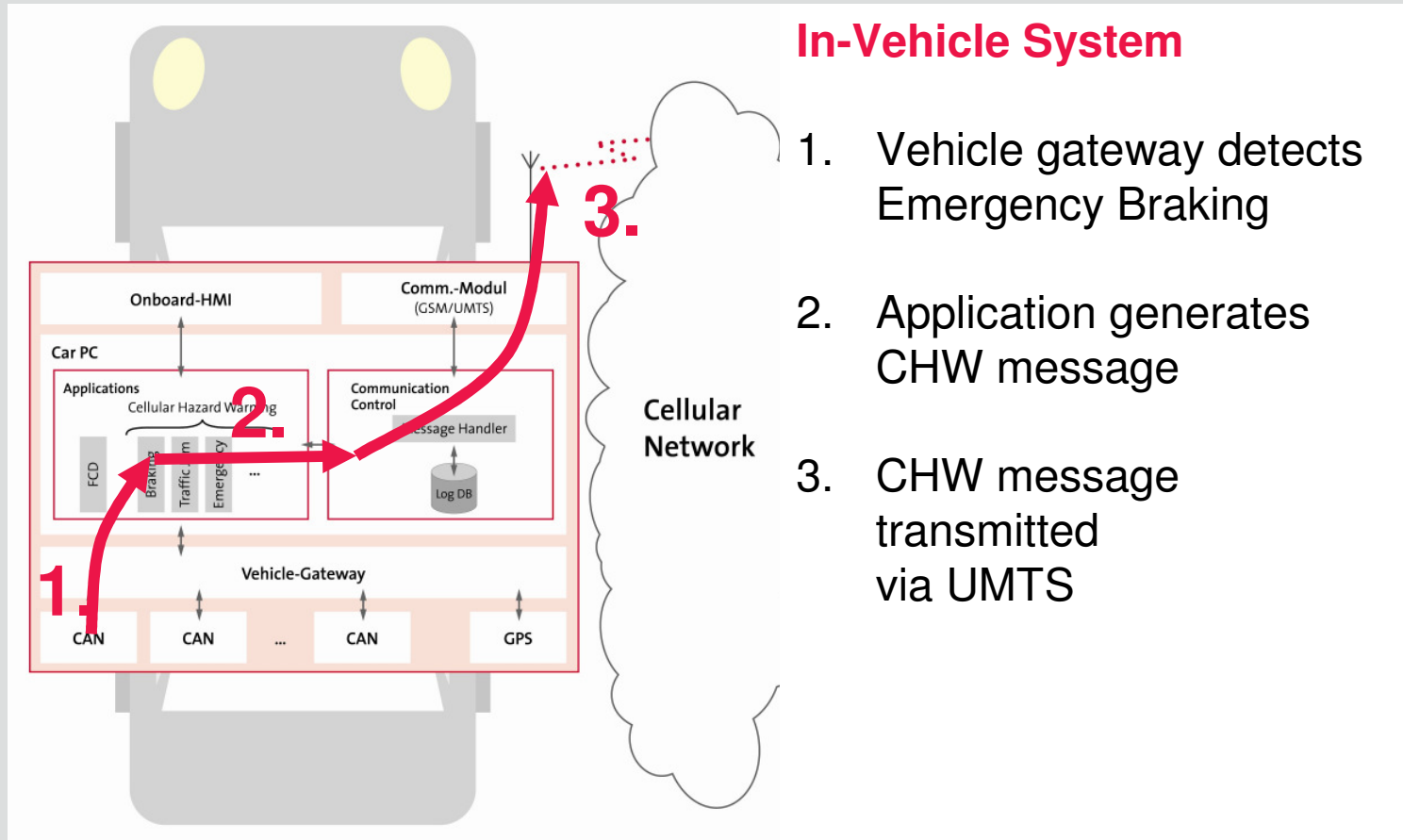
CoCar Demonstrator



In-Vehicle System

Backend System

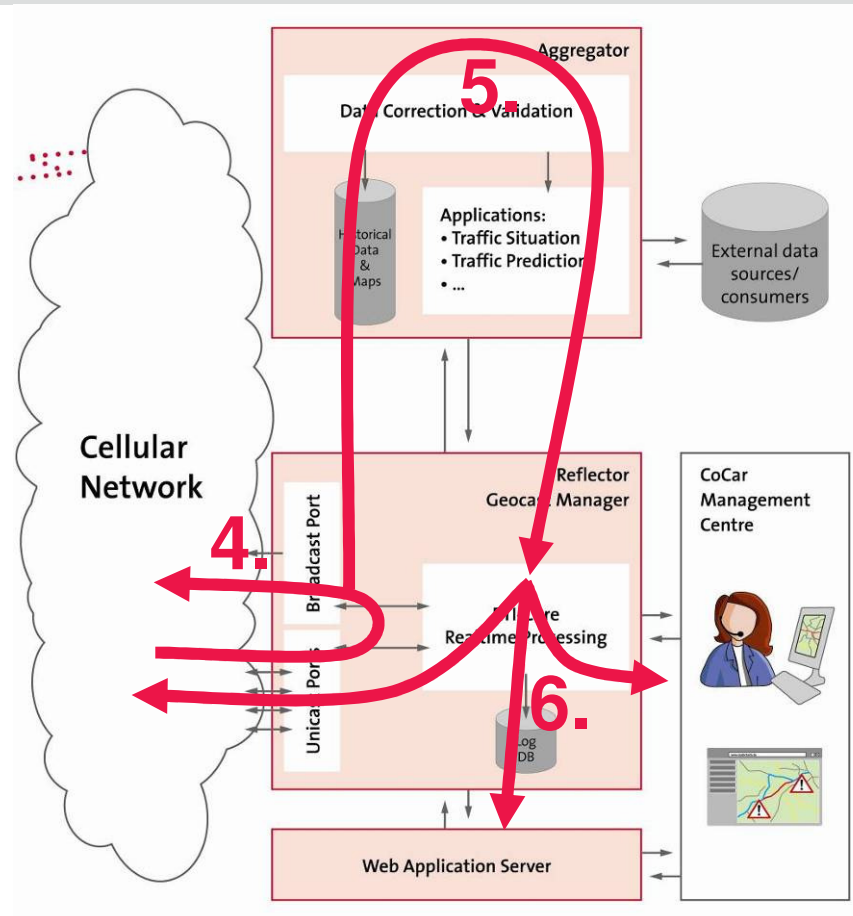


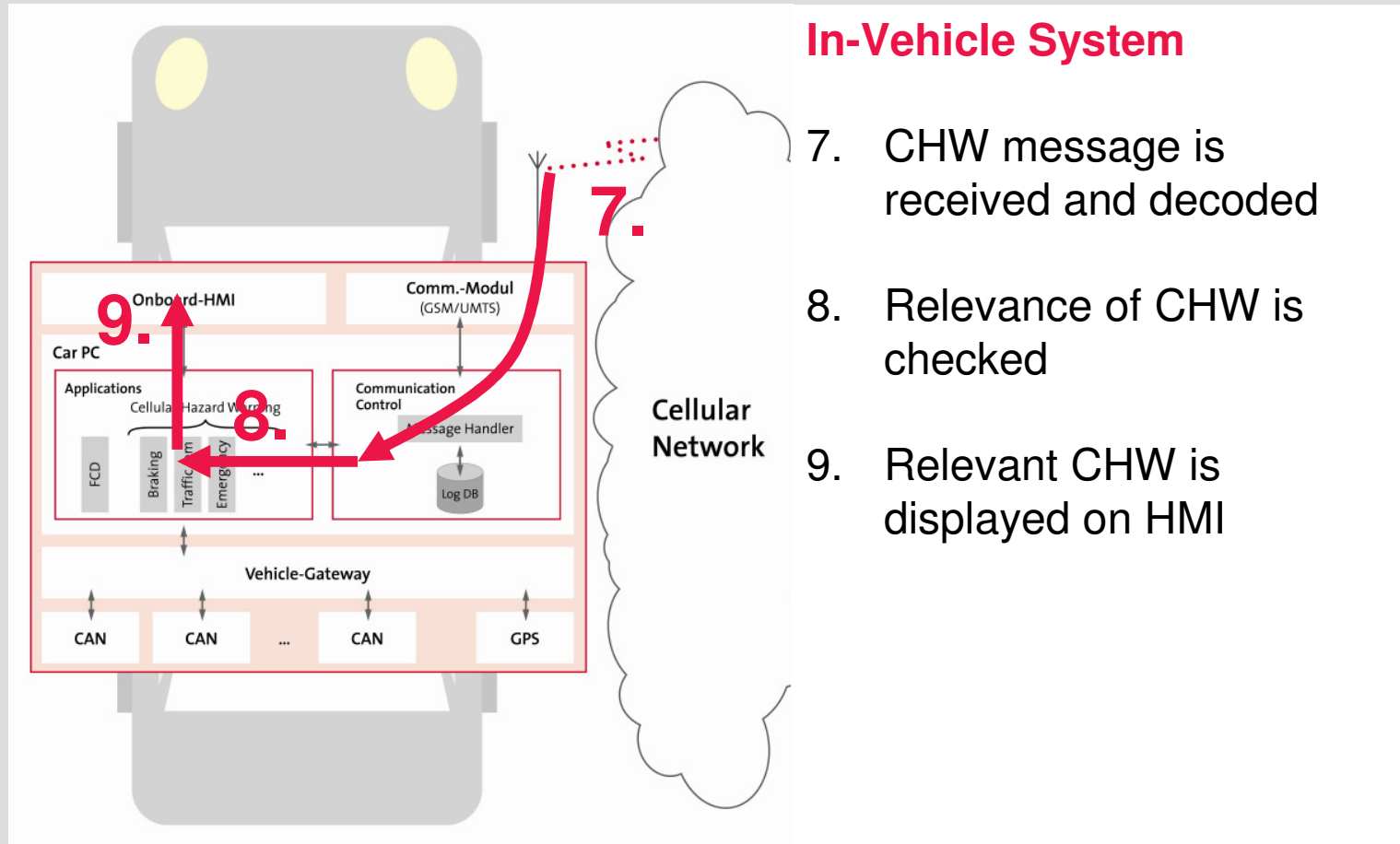




Backend System

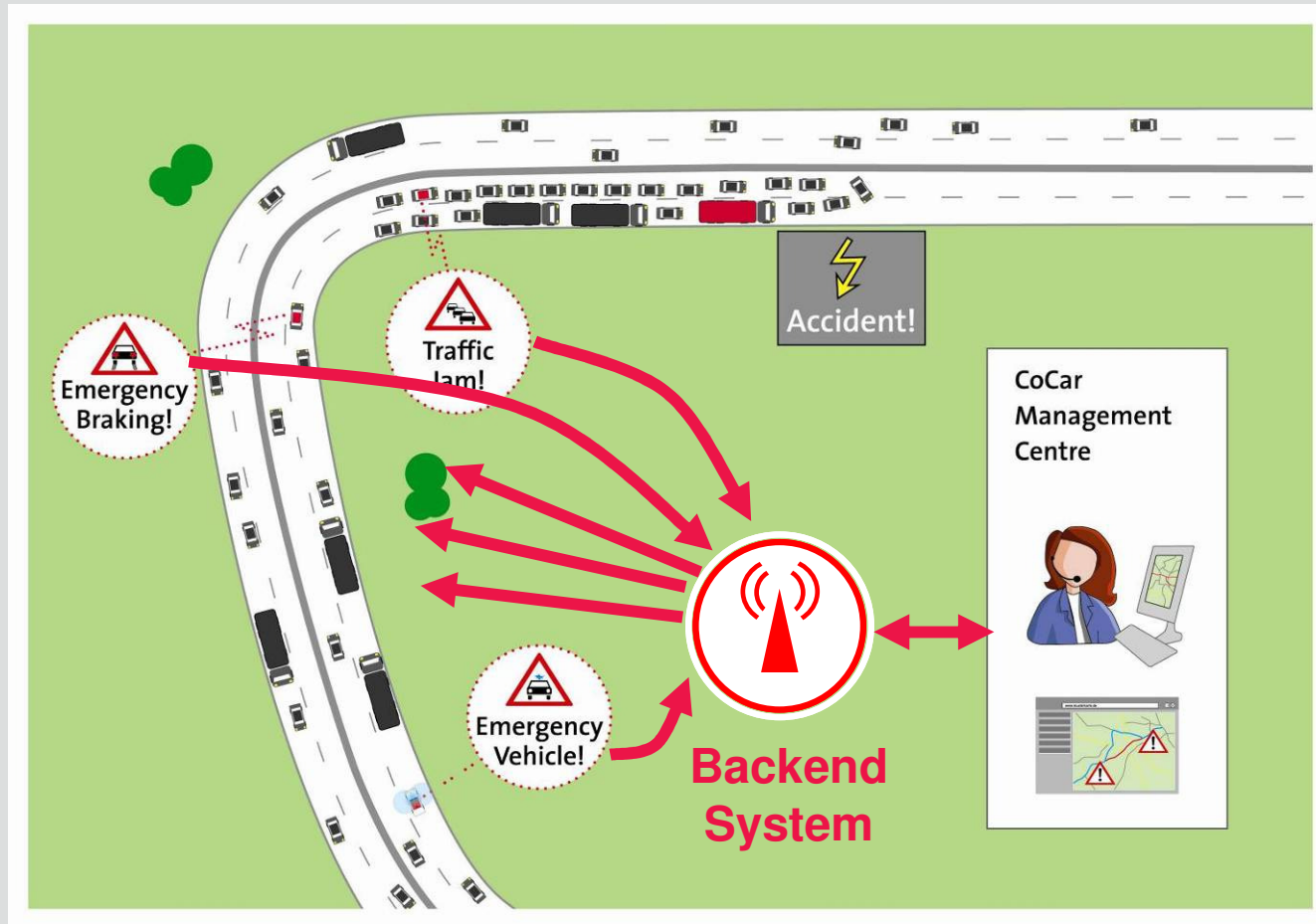
4. Reflector receives CHW message and re-distributes it back to affected vehicles
5. Aggregator validates, verifies and consolidates
6. Consolidated information is sent to vehicles, web server and to the CoCar Management Centre







CoCar Demonstration Scenario





- Investigated CoCar focus applications are already feasible today from a technological and a commercial point of view
- The CoCar system provides safety gains for drivers. In the next step it should become complemented by short-range 802.11p-based vehicle communication
- LTE (Long Term Evolution) expected to be rolled out in 2010. LTE offers higher throughput and lower latency, allowing even more demanding automotive applications