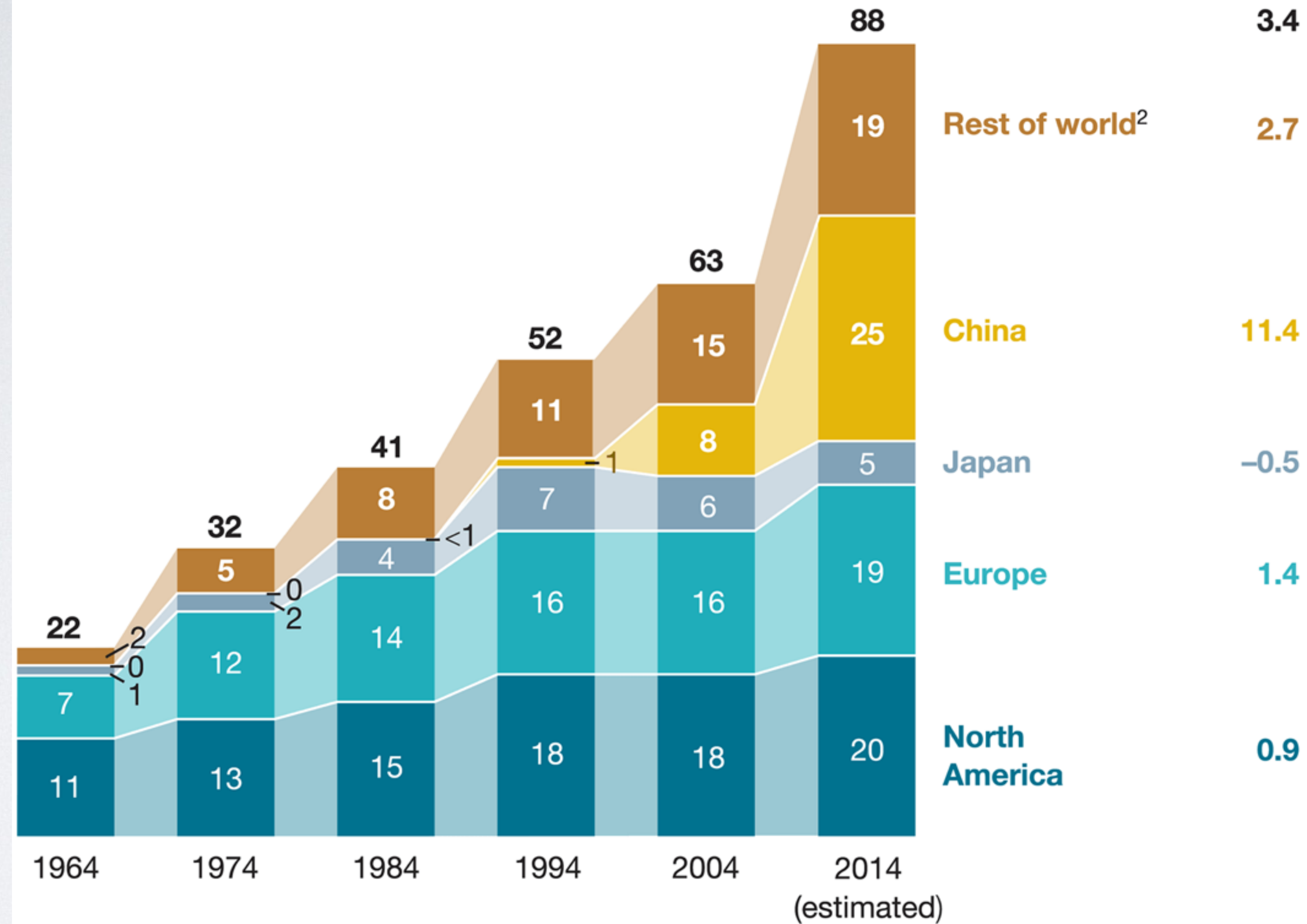


UM RESUMO DE AVANÇOS E PESQUISAS EM VANETS

Renan Greca

Car and truck sales by location, 1964–2014,¹
millions of units

**Recent growth,
2004–14, compound
annual growth rate, %**



¹Estimate of 1964–2004 data based on geographic sales trends of subsegments. Figures may not sum to total, because of rounding.

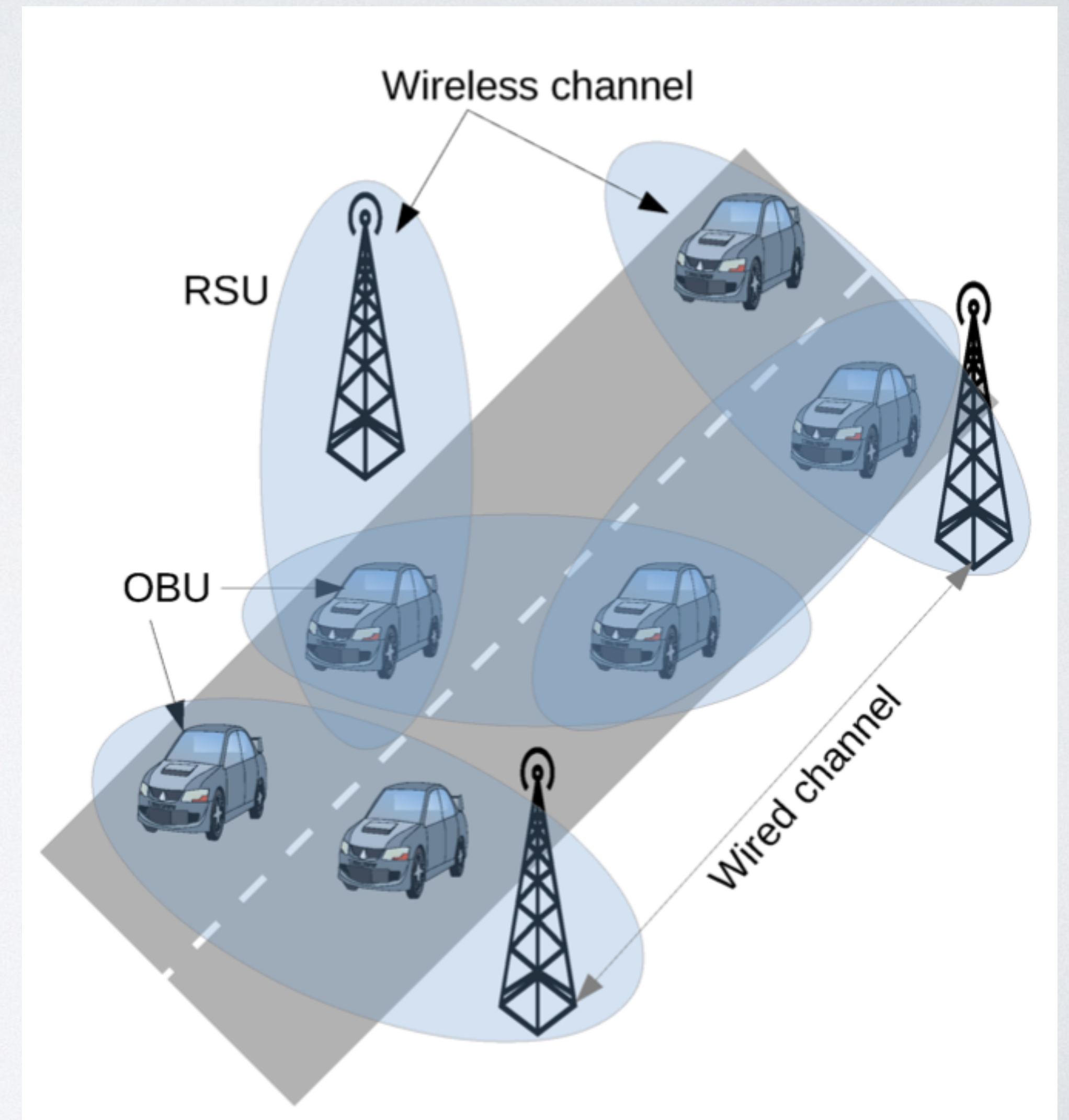
²Eastern Europe, Mexico, Middle East, South America, and South Korea.

Source: IHS Automotive/Polk; Ward's Auto InfoBank; McKinsey analysis

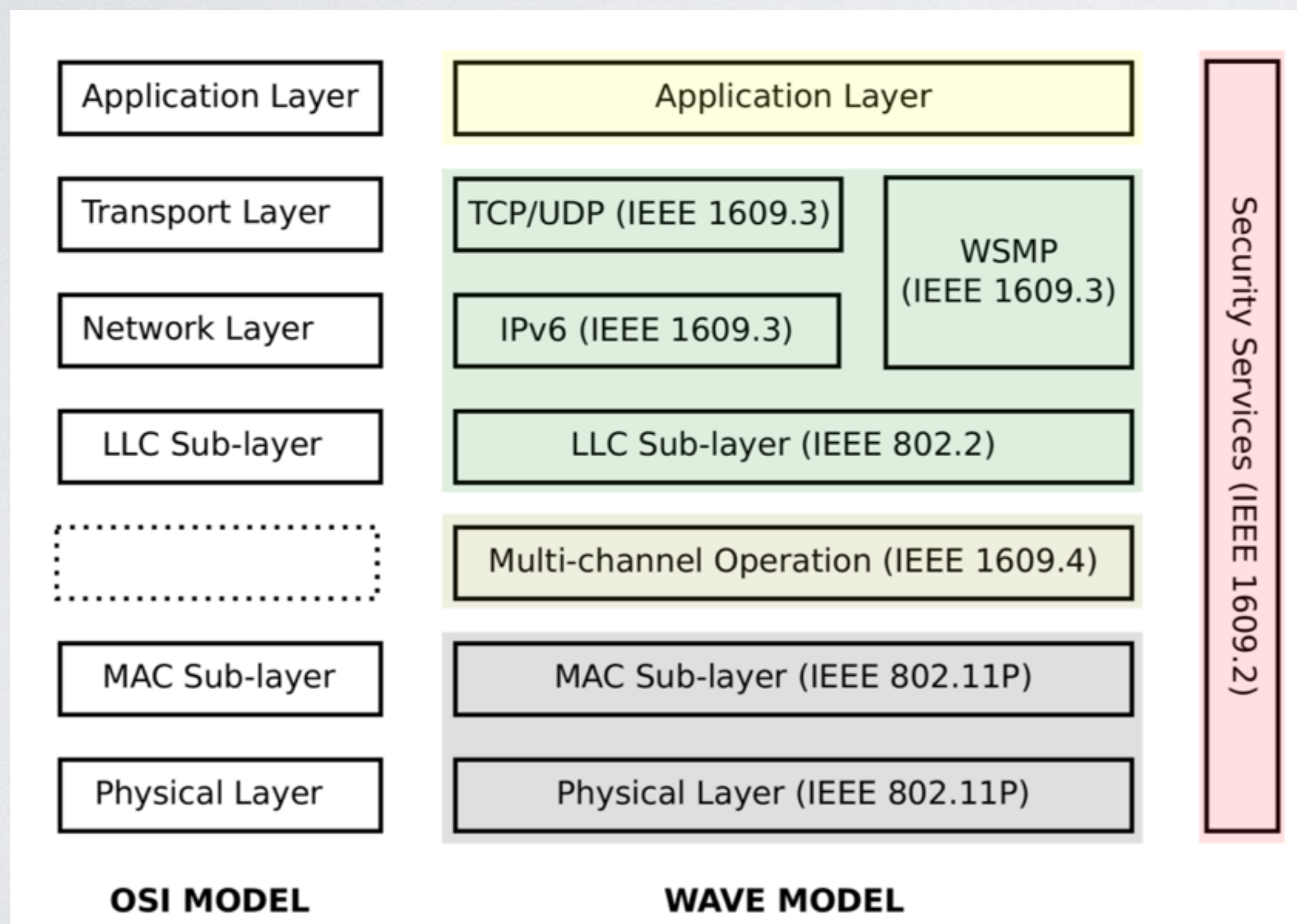


O QUE SÃO VANETS?

Vehicular ad-hoc networks



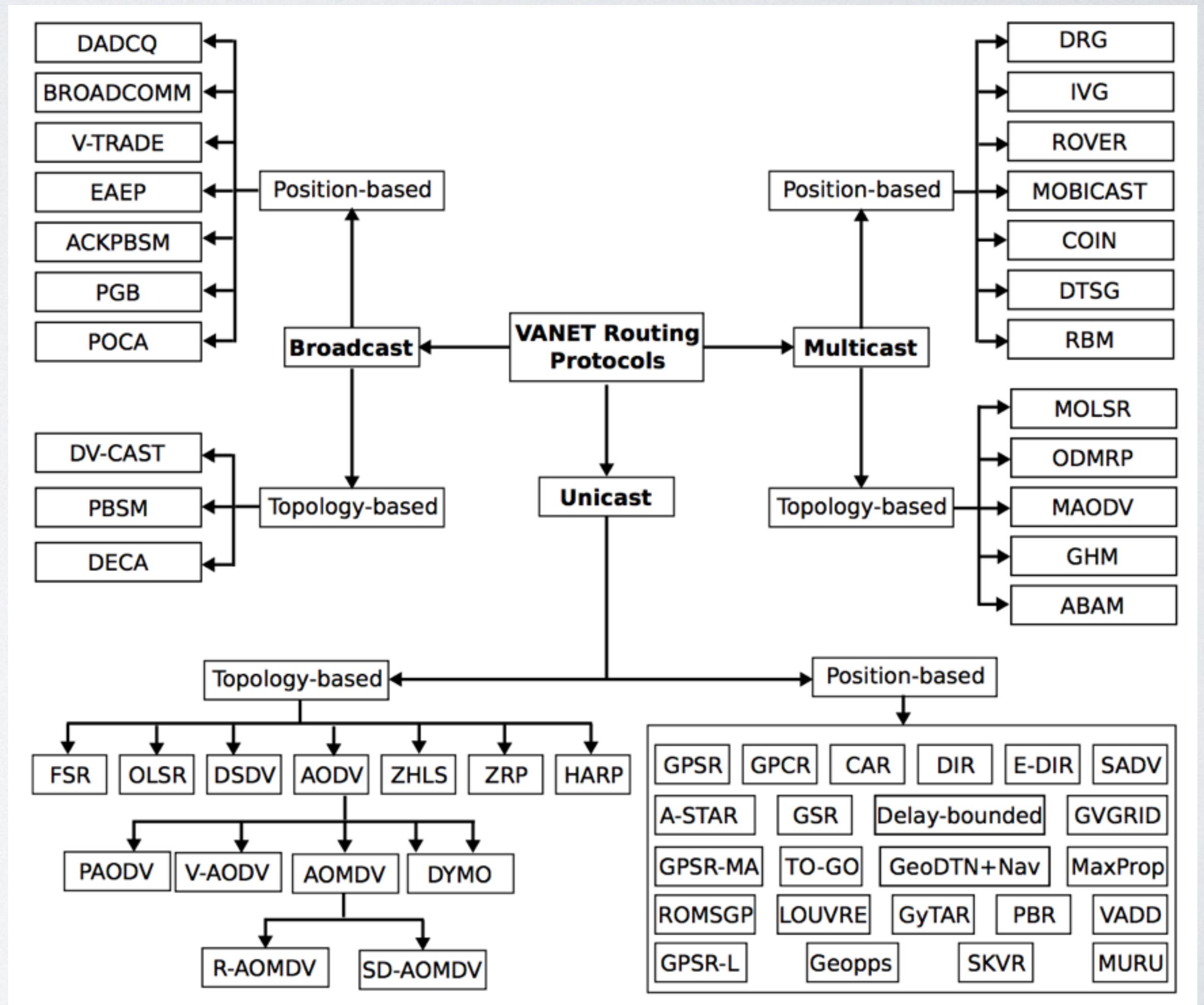
TECNOLOGIA SEM FIO



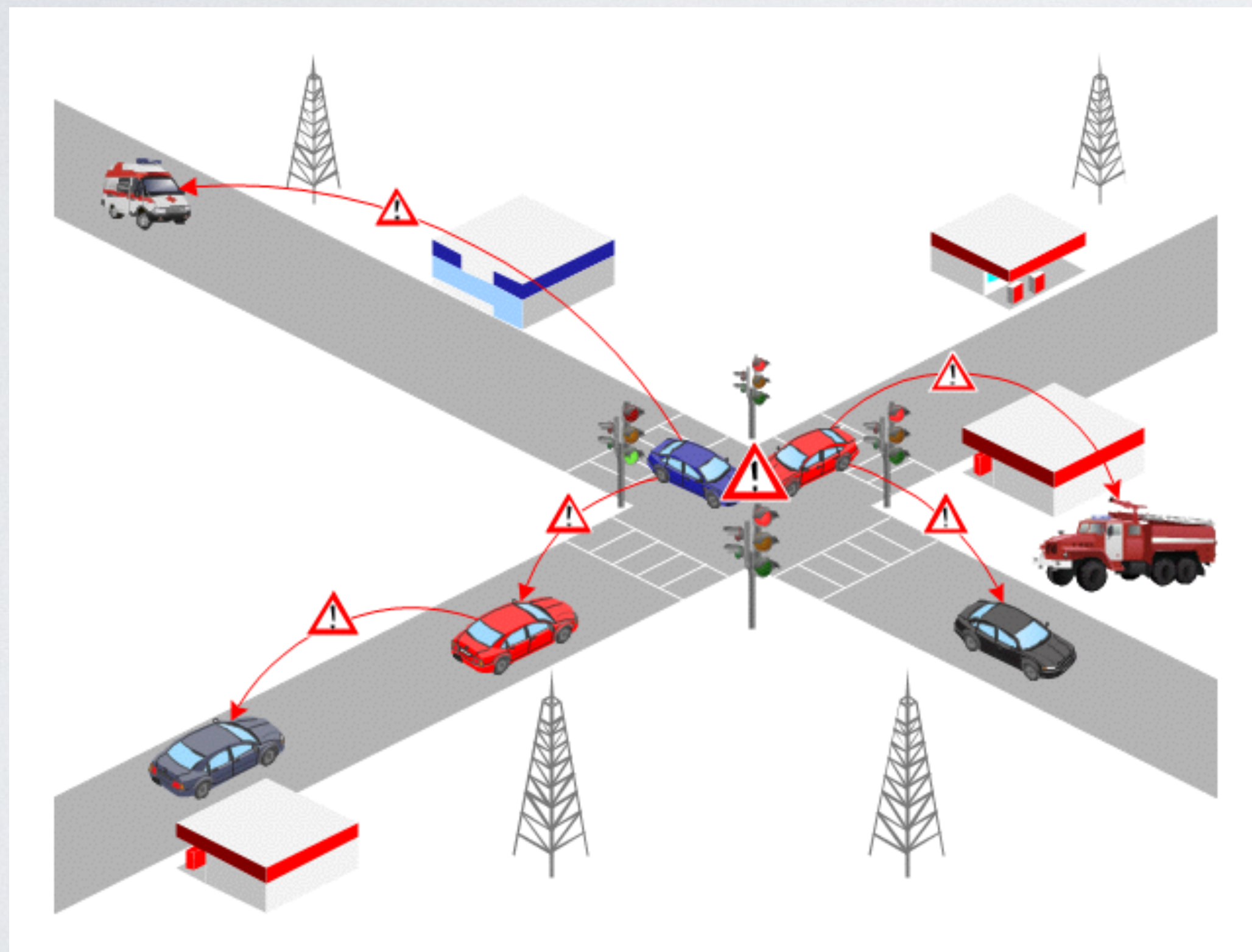
Padrão WAVE (IEEE 802.11p)

PROTOCOLOS DE ROTEAMENTO

Mais de 50 protocolos propostos



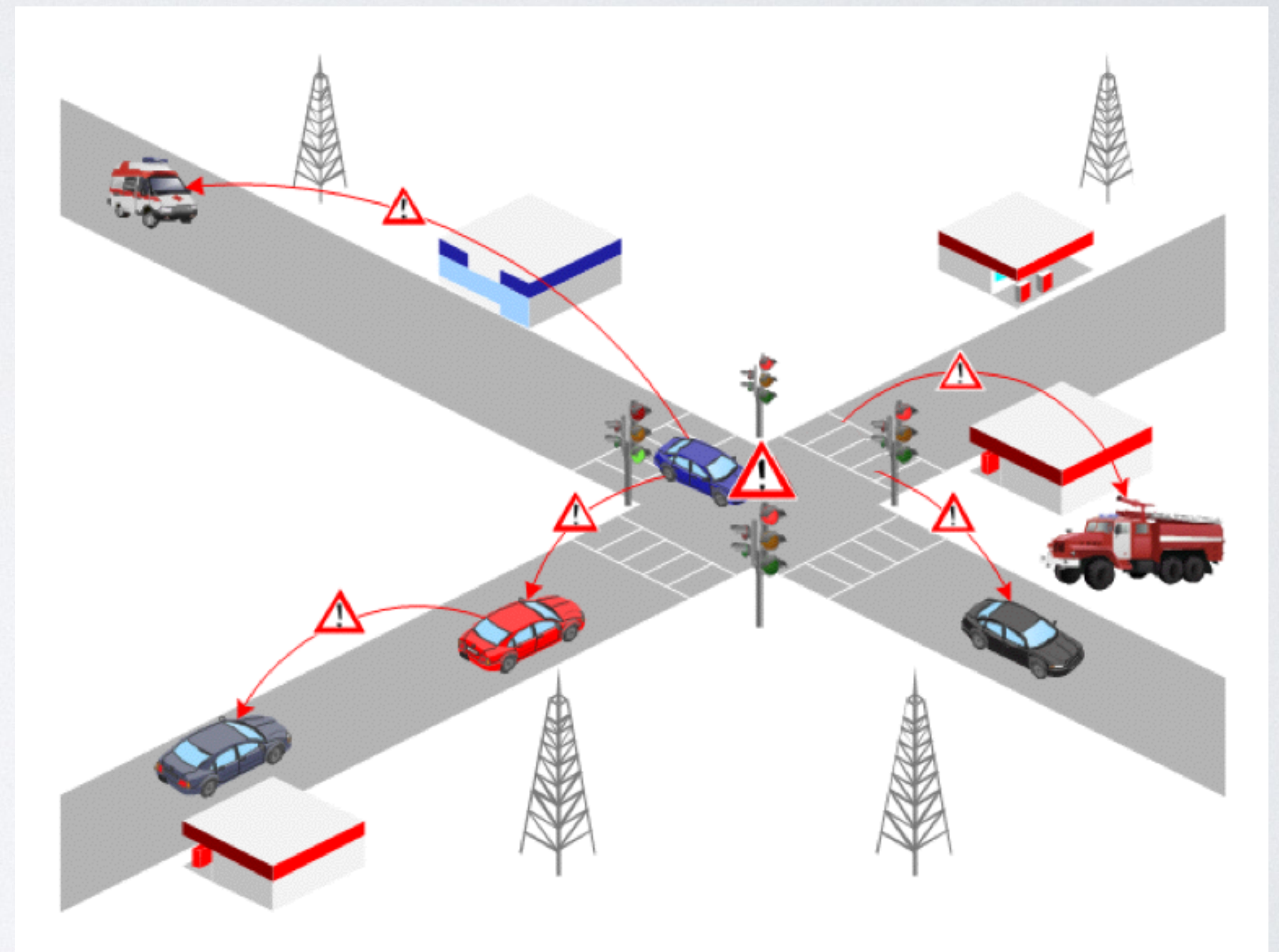
APLICAÇÕES



Segurança, eficiência,
conforto e entretenimento

SEGURANÇA E CONFIABILIDADE

Garantir integridade e
privacidade dos dados



SIMULAÇÃO

The screenshot displays the TraNS Lite application window. At the top, there's a menu bar with 'File' and 'Help'. Below it is the TraNS Lite logo. The main interface is divided into several sections:

- Simulation Parameters:** A section with a single input field for 'Total Simulation Time [s]' set to 200.
- SUMO Configuration:** A section containing:
 - Map Generator:** Includes a checkbox for 'Existing Network File', a 'Select Map Type' dropdown, and a 'Crop Map' checkbox with a note '(Works only with TIGER network files)'. Below these are four input fields for 'From X', 'From Y', 'To X', and 'To Y' with coordinate system labels. There's also a 'Rescale to new maximum allowed speed' checkbox and a speed input field set to 27.8 m/s (100 km/h).
 - Buttons:** 'Generate Road Network' and 'Visualize'.
- Routes Generator:** Includes a radio button for 'Existing Routes File' and a selected radio button for 'Generate Routes'. Below this are two tabs: 'Routes from Flows' and 'Random Routes'. The 'Routes from Flows' tab is active, showing a table with columns: ID, From, To, Begin, End, and Vehicles. The table has 5 empty rows. Below the table is a 'Generate Routes' button and a 'Total Number of Vehicles' input field.

At the bottom of the window, there are three buttons: 'Generate Traces', 'Visualize Output', and 'Save Configuration'.

Garantir a validade e funcionalidade
de tecnologias e protocolos

CONCLUSÕES