Motivation

- Local perception is the basement of the Ko-PER pyramid.
- The requirements of the local perception are derived top to bottom.
- Without any vehicle-based perception preventive safety could benefit solely from intersection-based perception networks.

Vehicle based local perception – what is it all about?

- **Multi-Object Tracking**
  - Fusing sensor data during tracking or in advance.
  - Use of already classified data or classify using tracking results.
  - Track management for efficient track handling.

- **Communication**
  - Ego information (information about sender).
  - Perceived dynamic objects (objects detected and tracked by sender).

The sensor setup and the used tracking algorithms depend on the partner of the Ko-PER project.