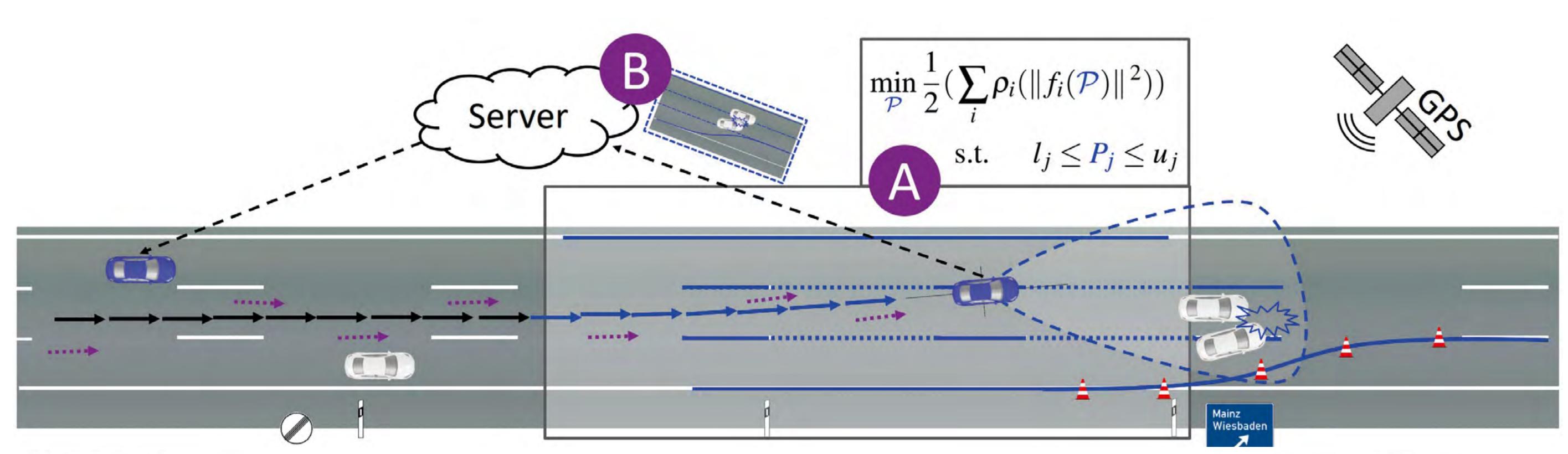




Localization and Mapping Using Graph-Based Optimization

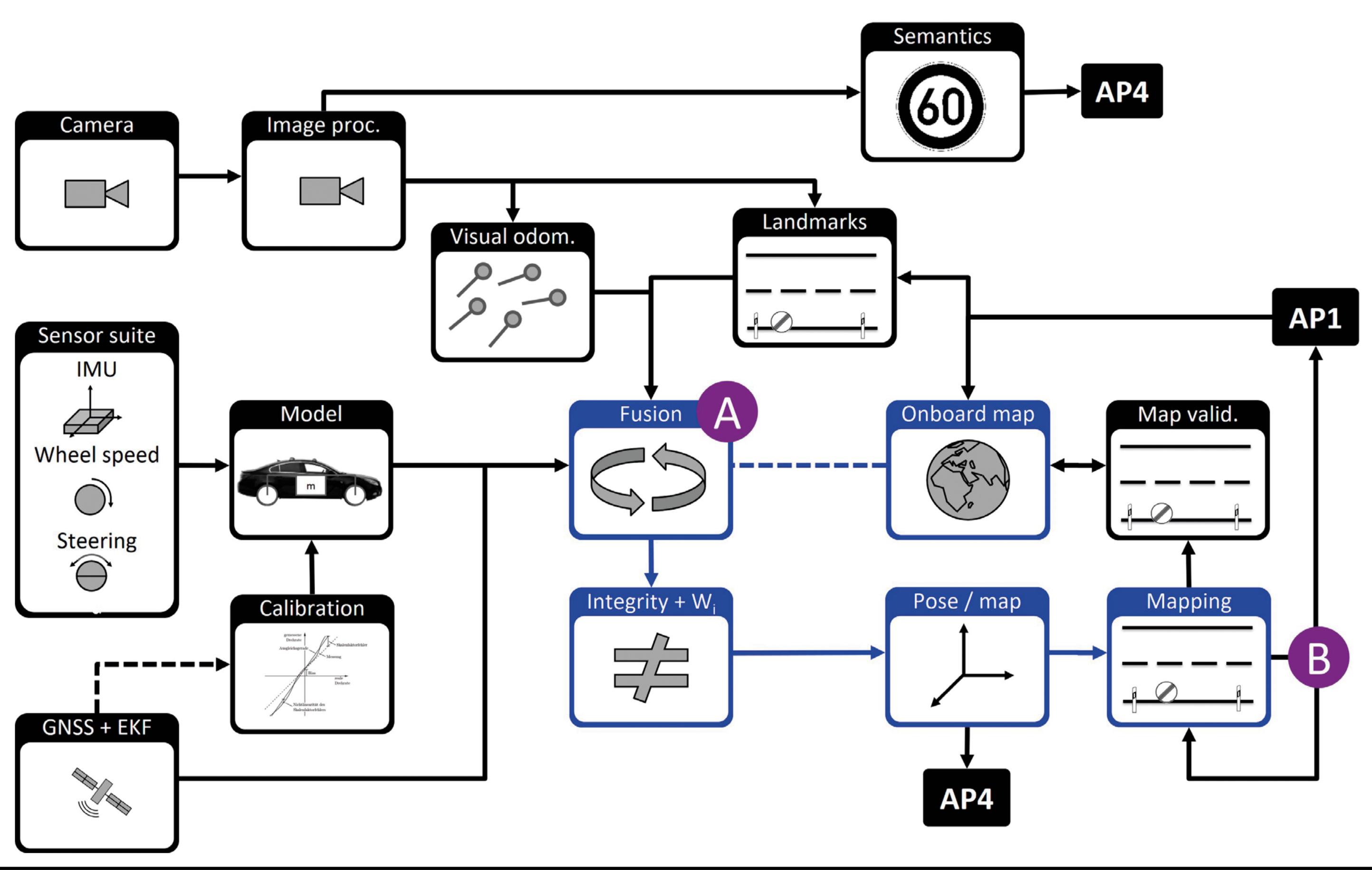


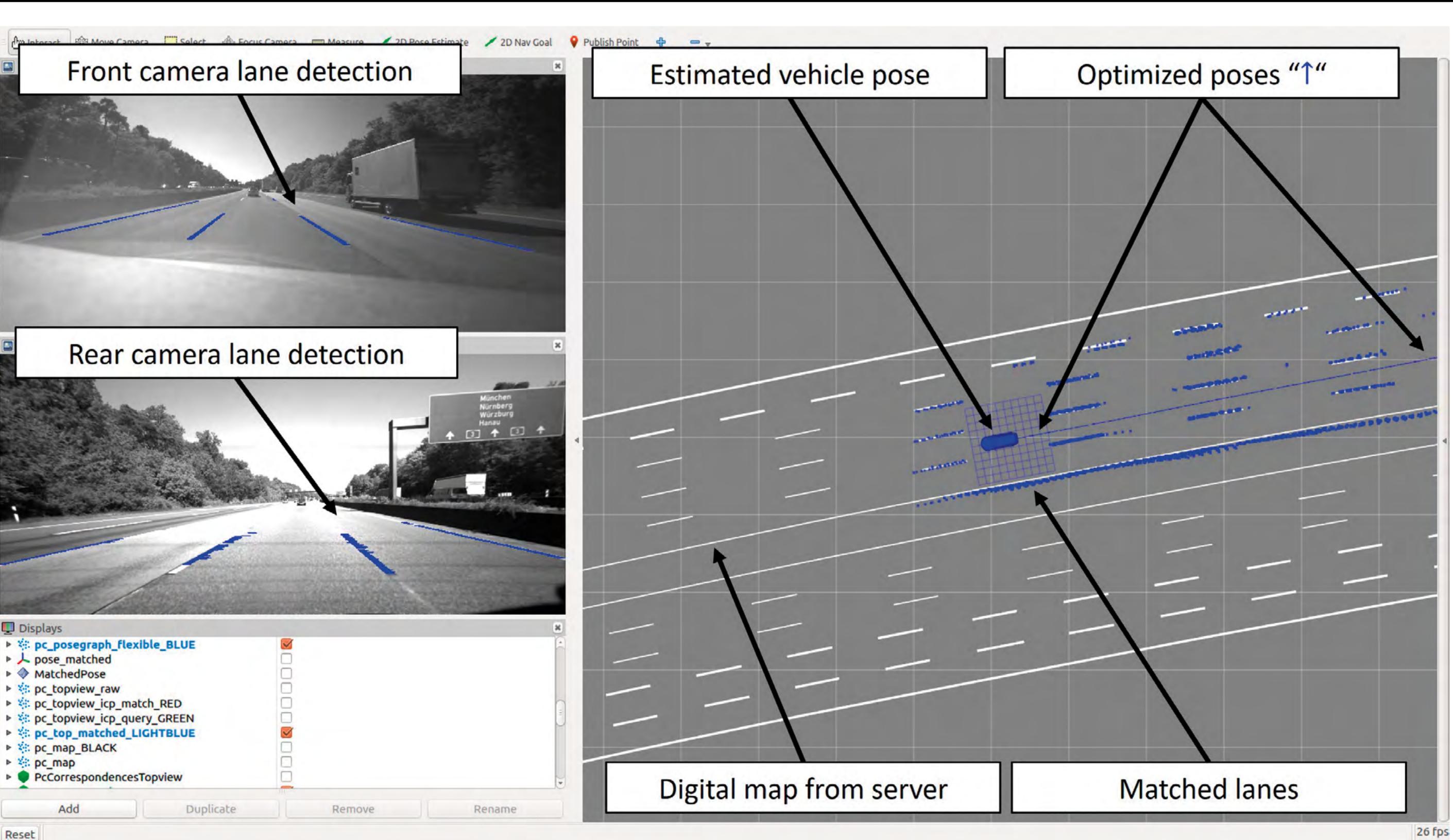
Objective:

- A Optimize vehicle poses P_i "1" (position + orientation), so that their distance to sensor measurements "1" gets minimized [1].
- B) Upload static map and dynamic content to the safety server.

Nomenclature:

- Cost function
- Loss function
- Boundaries
 - Set of poses





[1] Maximilian Harr, Johannes Janosovits, Sascha Wirges, and Christoph Stiller. Fast and Robust Vehicle Pose Estimation by Optimizing Multiple Pose Graphs. In 21th International Conference on Information Fusion, 2018.



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