$\frac{2}{3}$ **of a year of SUMO**

SUMO User Conference 2022

Knowledge for Tomorrow

DLR

SUMO 2021 - 2022

- ~650 changelog entries since version 1.10.0
- ~1000 new tickets (~900 closed) and 6000 commits since 1.10.0
- ~1600 mails on sumo-user in 8 Months (still growing)
- -50% downloads compared to last year on sourceforge (40k)
  - +40k downloads as python package
  - +? downloads on our own server

New Features

- Simulation: More outputs, fewer outputs (filtering)
- more control over vehicle flows (poisson, achieving higher flow)
- saving state with persons
- parking search improvements (logic, visuals, tooling)
- opposite-direction driving improvements (slalom, opposite-stopping)
- More traffic lights (NEMA, custom logic, visualization)
- GUI: hotkeys, parameter plots, interaction (override detector)
- Netedit: Overhead wires, waypoints, traffic between junctions, locking
- New traci functions
- OpenDRIVE importer improvements

Upcoming

- ~~Libsumo-gui~~
- More detailed sublane-simulation on intersections
- Coupling other pedestrian models
- Parallelization (?)

- updated emission models
- roads which are used in both directions (i.e. narrow roads or shared bicycle space)
- FMI
- railway stuff