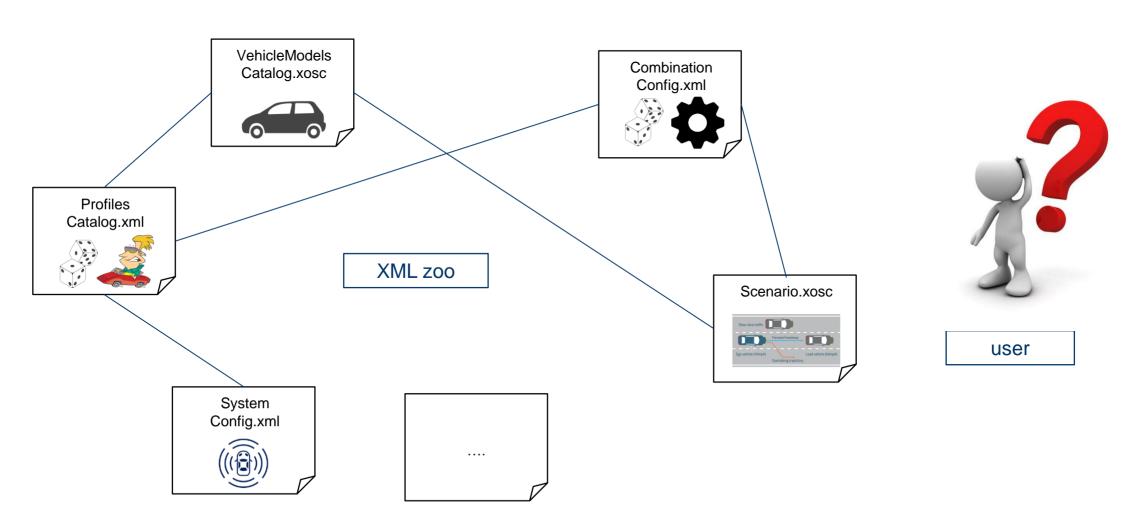


SIM@OPENPASS ARCHITECTURE COMMITTEE GUI - SESSION



OPENPASS GUI - DEMO

WHAT HAS TO BE CONFIGURED BEFORE STARTING A SIMULATION?

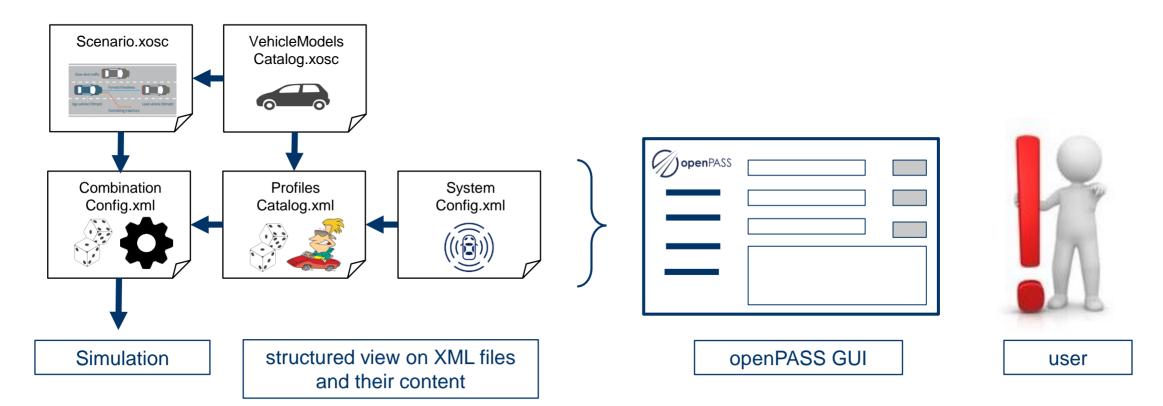






OPENPASS GUI - DEMO

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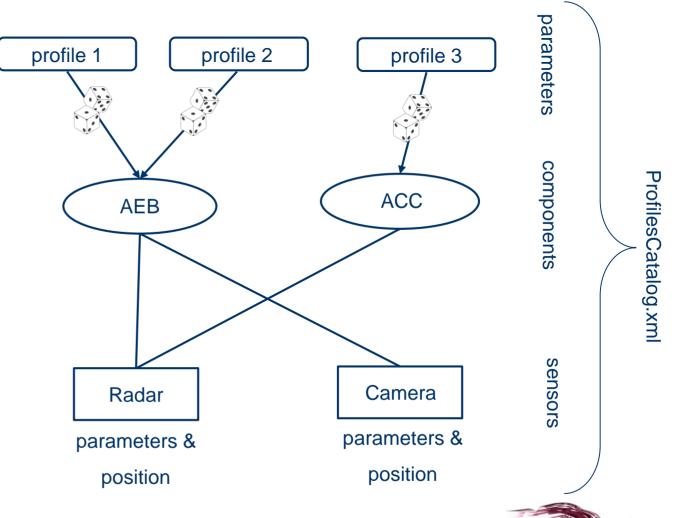




HOW TO EQUIP VEHICLE PROFILES WITH ADAS?

PROFILE-BASED ANSATZ (CURRENT STATE)

- incorporate algorithm dll's (components) of specific types into vehicle
- connect algorithms to sensors with specific parameters and positions in the vehicle
- parameterisations (profiles) can be assigned to components with given probabilities
- **limitation:** 1 algo + n sensors per ADAS
- advantage: flexible parameterization and optimized instantiation

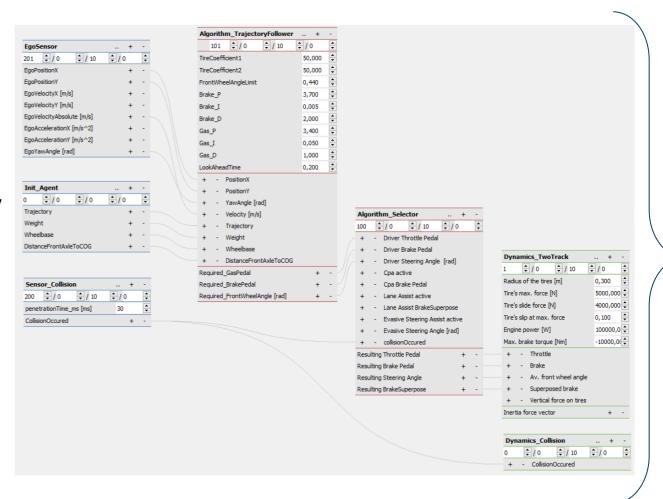




HOW TO EQUIP VEHICLE PROFILES WITH ADAS?

SYSTEMCONFIG (CURRENT STATE)

- reference a system from the systemConfig
- advantage: connect arbitrarily many components of different types (Algo, Sensor, Actuator, Misc, Logical, ...) → high complexity
- **limitation:** fixed parameterisation in each system, no probabilities & repeated instantiation



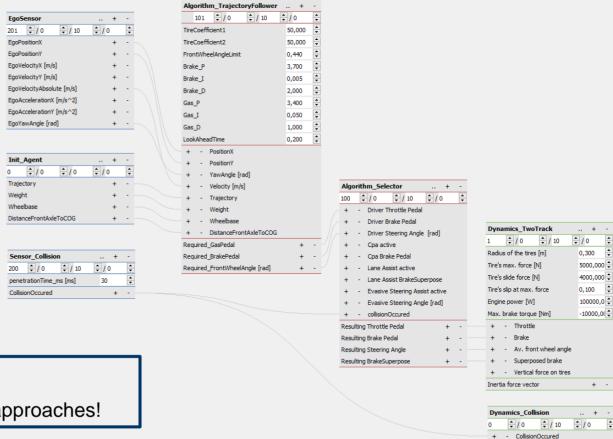




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Long-term Goal

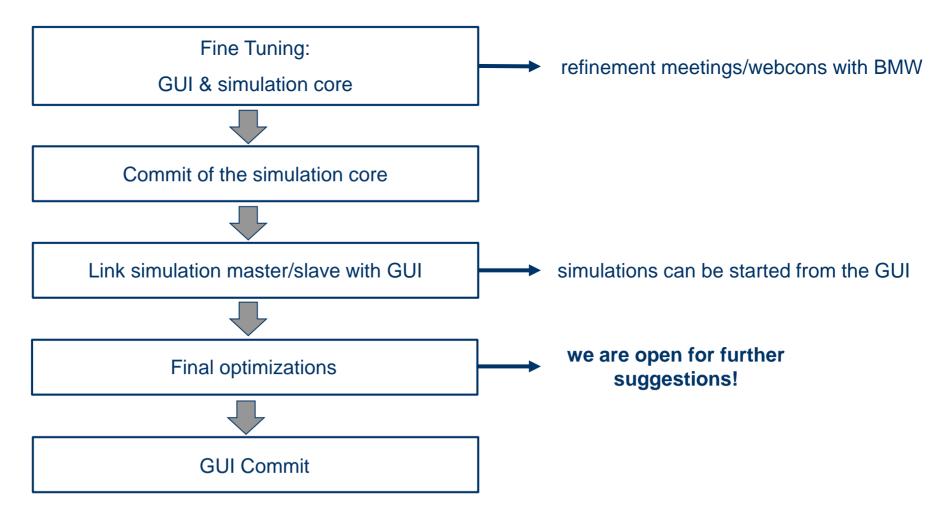
Unified pathway utilizing advantages of both approaches!





GUI PULL REQUEST

ROADMAP – GUI SUPPORT FOR SCENARIO-BASED SIMULATIONS





GUI BUG REPORTS

CURRENT STATUS – COMMITTED SOON

- Bug #989: Component priorities not shown when loading a system → fixed
- Bug #990: System name not shown → fixed (in hierarchical system editor)
- Bug #977: start-button not visible when starting openpass.exe (in fact the whole action menu) → fixed
- Bug #1075: "start simulation"-button disabled in simulation plugin even if all files are selected → **fixed** (Simulation plugin can now be used to simulate current OSI Use Case)
- Bug #980: Add units to meta data xml of PCM components → please re-assign!
- Bug #981: Re-organizatzion of ressources → addressed by using the subfolder "gui" for GUI plugins. We propose a subfolder "components" for both xml- and dll-files of components as well (To-Do for sim-part).
- Bug #1003: strong dependence on Project Plugin → to discuss





NEXT STEPS FOR RELEASE > 0.6

SUGGESTIONS

- XML workshop: gain better understanding of the file structures and, possibly, find optimizations
- Generic ADAS equipment: think about unified pathway combining systemConfig and profile-based ansatz
- Visualisation of simulation results: Who can do it?