



PORSCHE

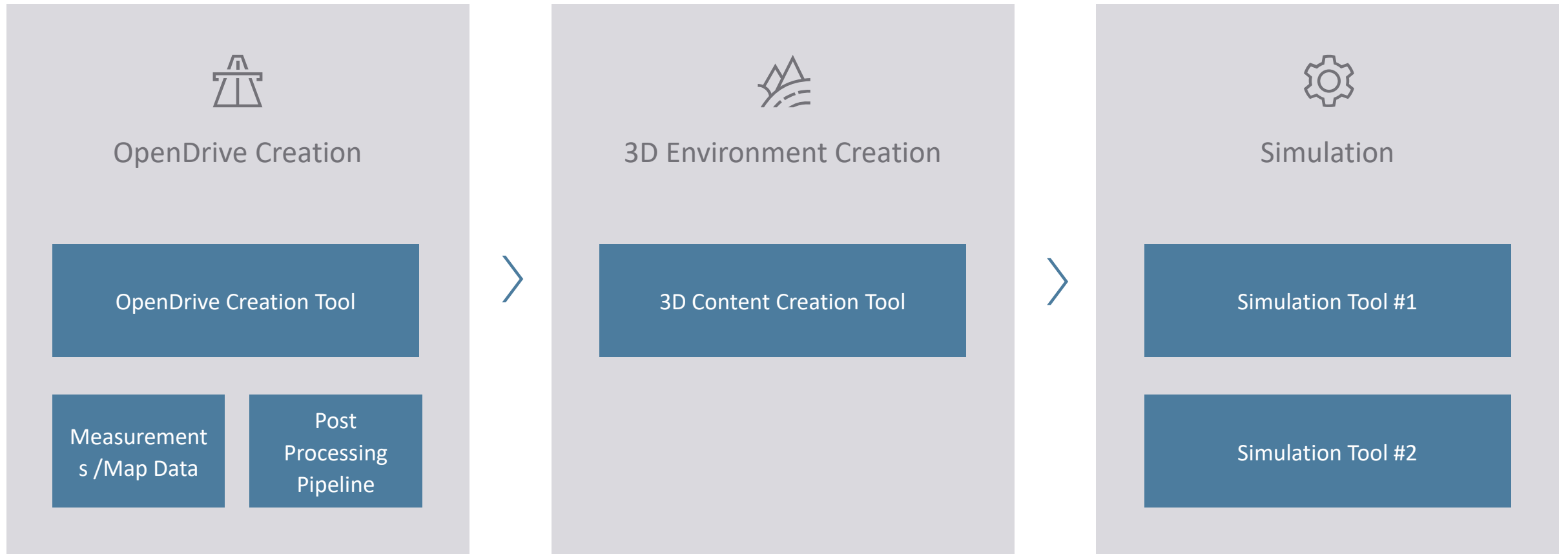
Interoperability of Standards

An OEM Perspective

How It Feels Like



Simplified 3D Scene Generation Workflow for Simulation



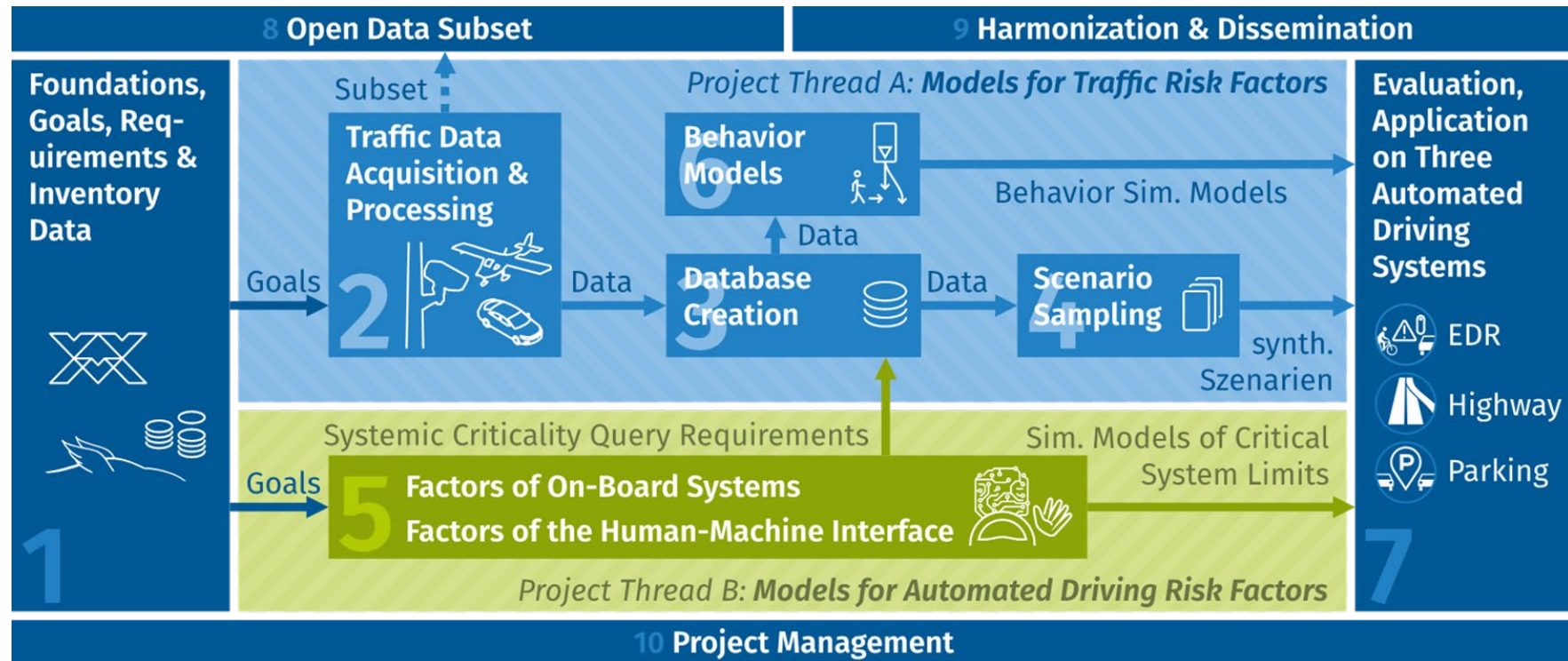
In our normal workflow at least 3 different tools are involved that have to work with OpenDRIVE in one way or another.

Coverage of Standards

- Many tools cover only parts of the standards
- Scenarios have to be modelled depending on what is supported in the tools
- No interoperability
- No comparability
- Different results

Tool #1	Tool #2	Tool #3	
✓	✓	✓	
✓	✗	✓	!
✗	✓	✓	
✗	✗	✓	
✓	✓	✗	
✗	✗	✗	
✗	✗	✗	
✓	✓	✗	
✗	✗	✗	

Research Project AVEAS



Conclusion

- We need a clear definition of the standard with a trustworthy certificate
- Comparable and reproducible results which are recognized by legislators (TÜV and worldwide)
- Simplifies exchange, shortens development time, creates trust (through certificates), creates comparability (between providers and tools)



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