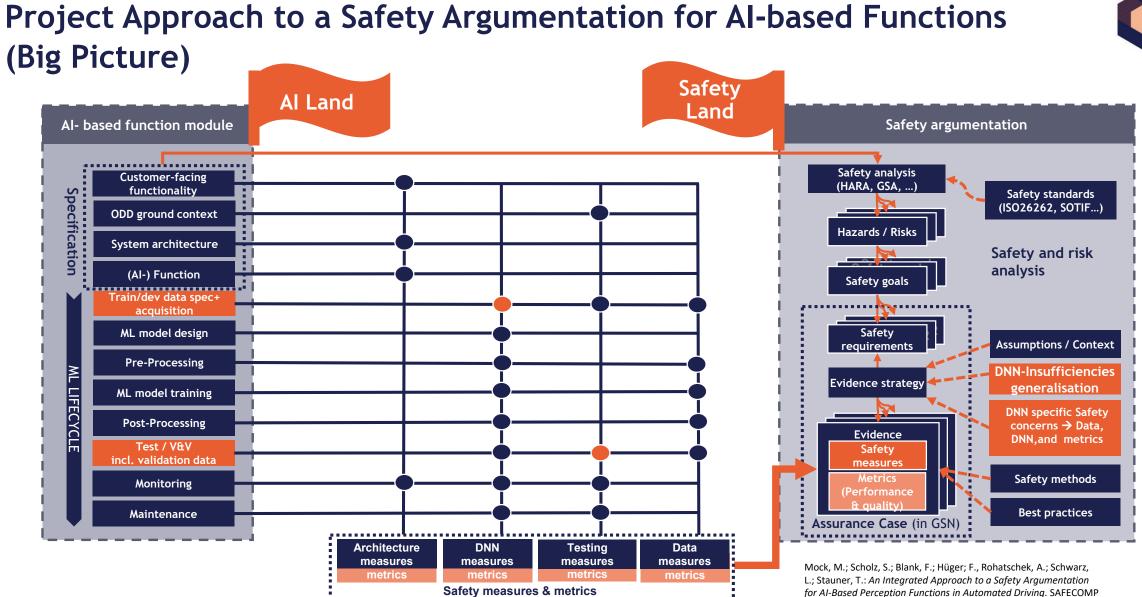


Final Event | June 23rd 2022 KI Absicherung: Project overview, challenges and results

PD Dr. Michael Mock, Fraunhofer IAIS Dr. Stephan Scholz, Volkswagen AG

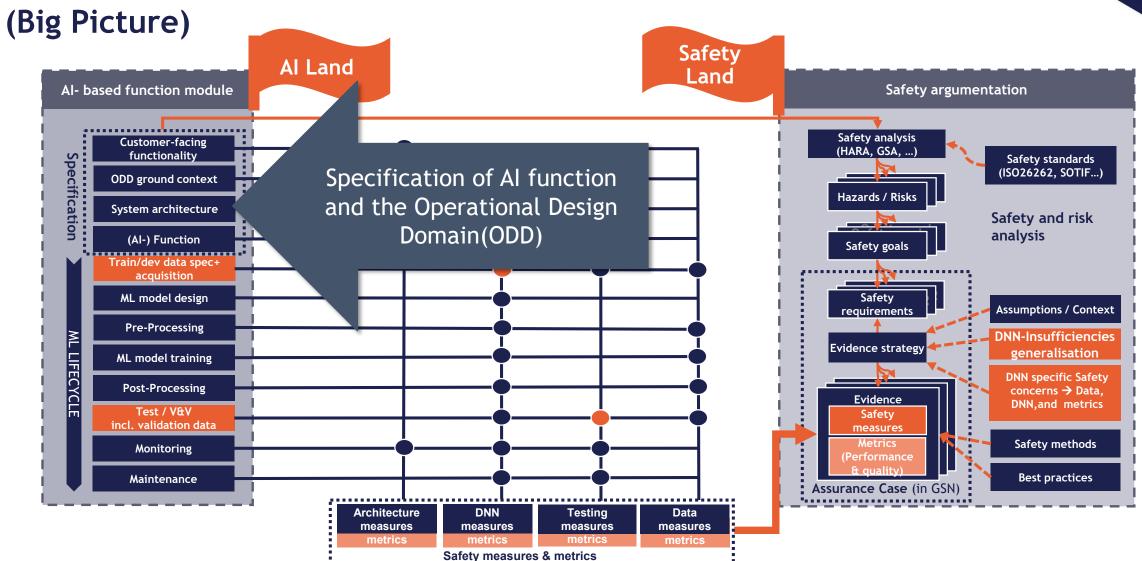
Challenge





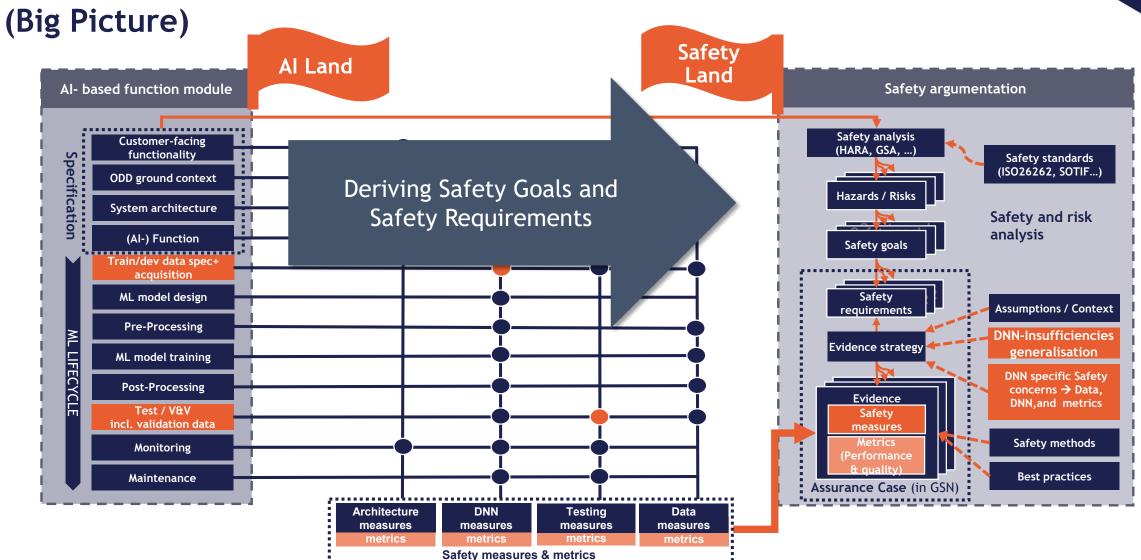
June 23rd 2022 | KI Absicherung Final Event | Michael Mock, Stephan Scholz

Workshops, Springer, 2021



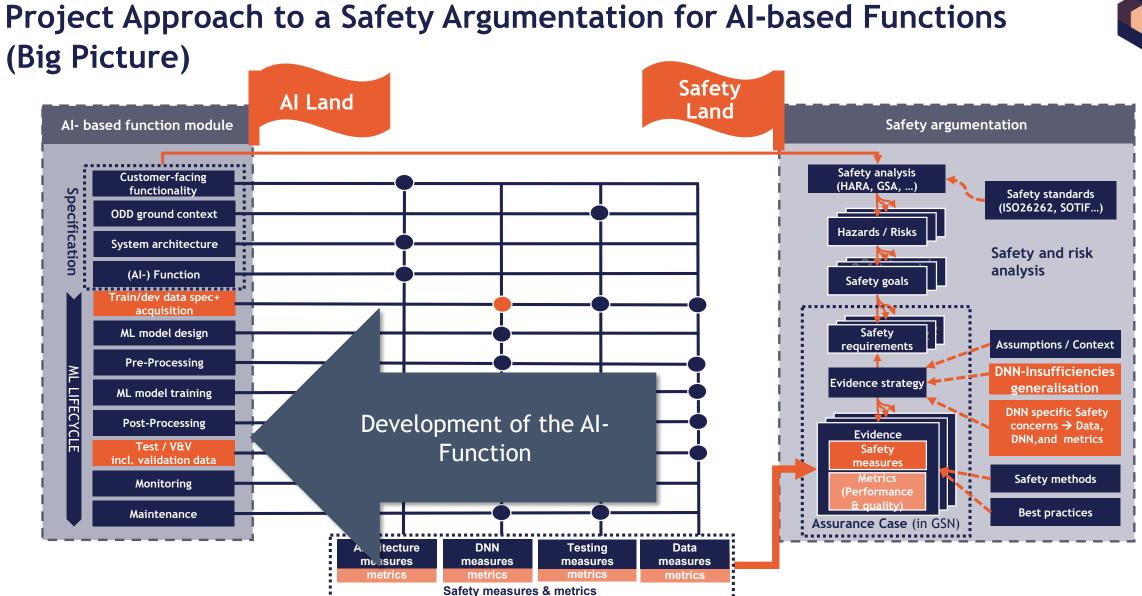
Project Approach to a Safety Argumentation for Al-based Functions

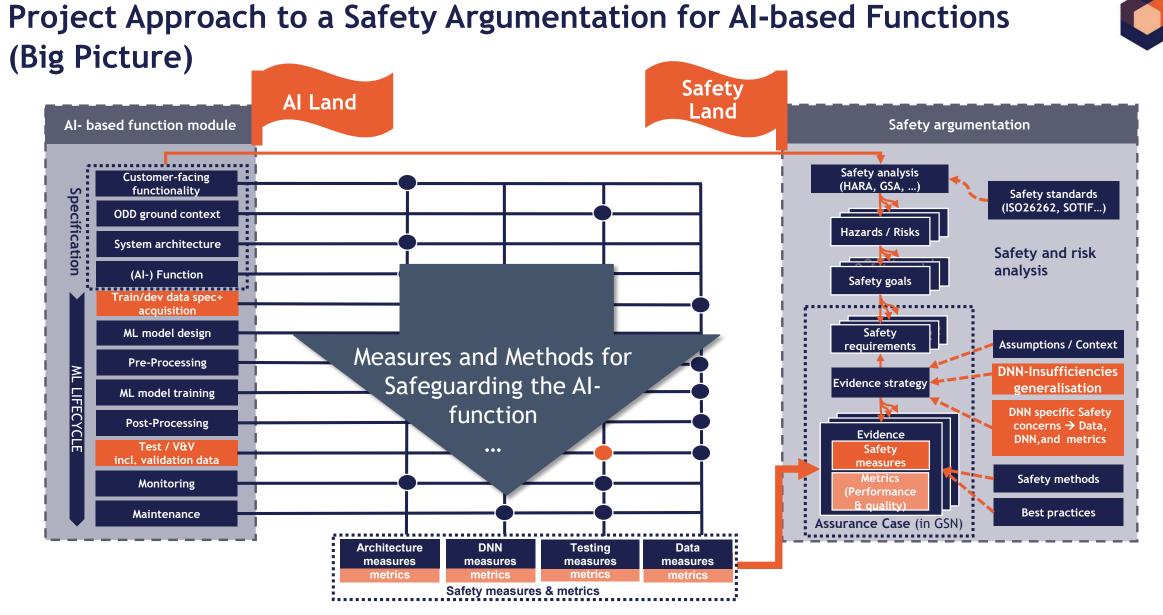


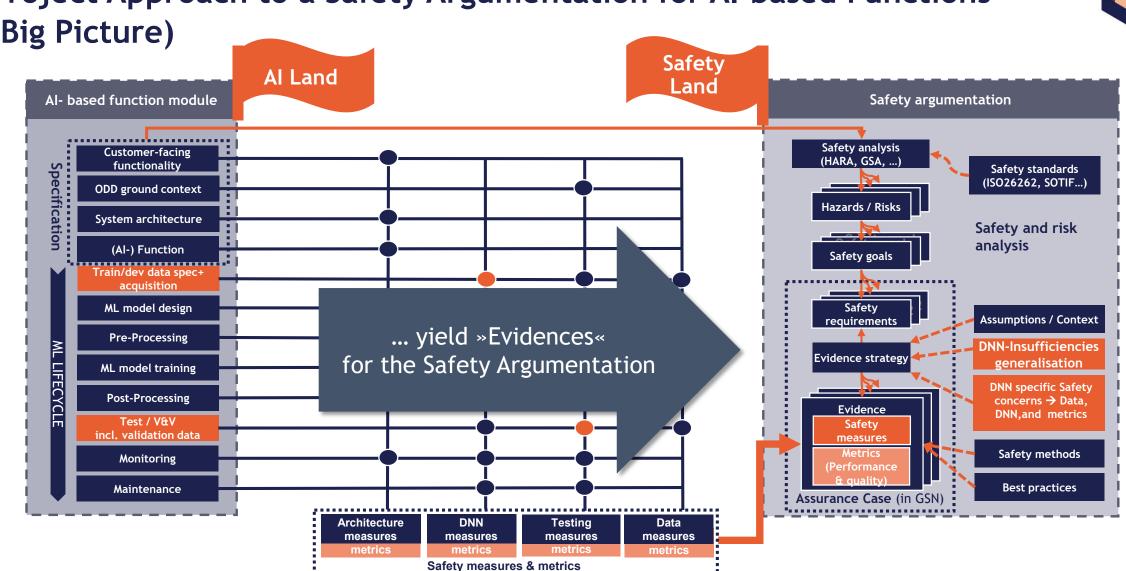


Project Approach to a Safety Argumentation for Al-based Functions



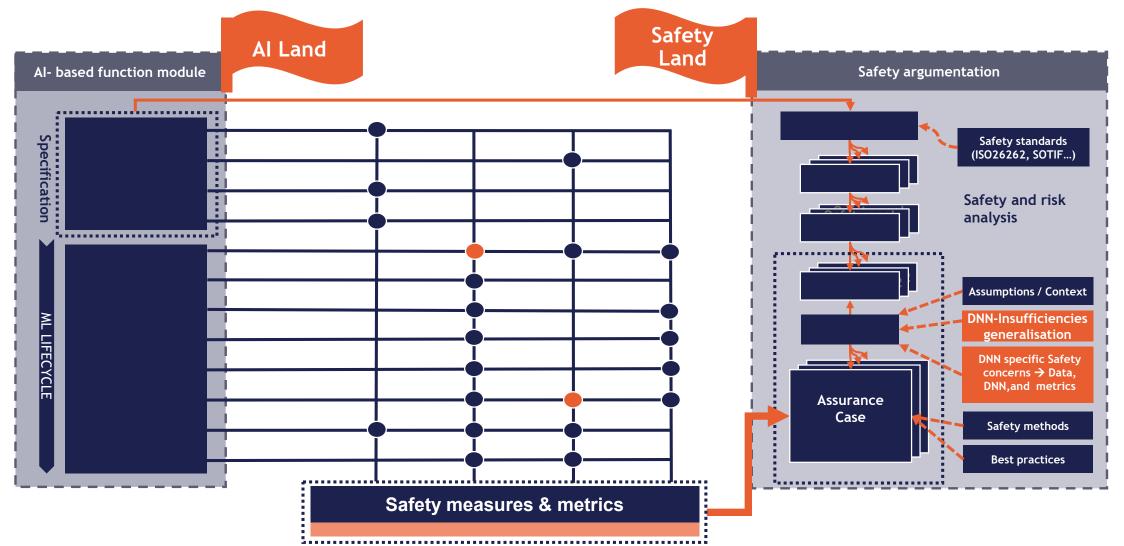




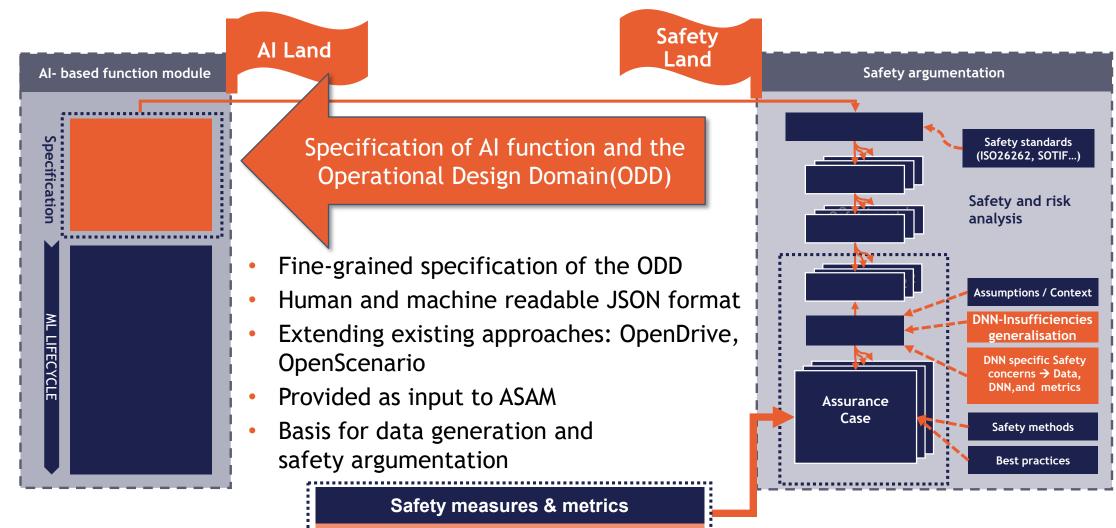


Project Approach to a Safety Argumentation for AI-based Functions (Big Picture)

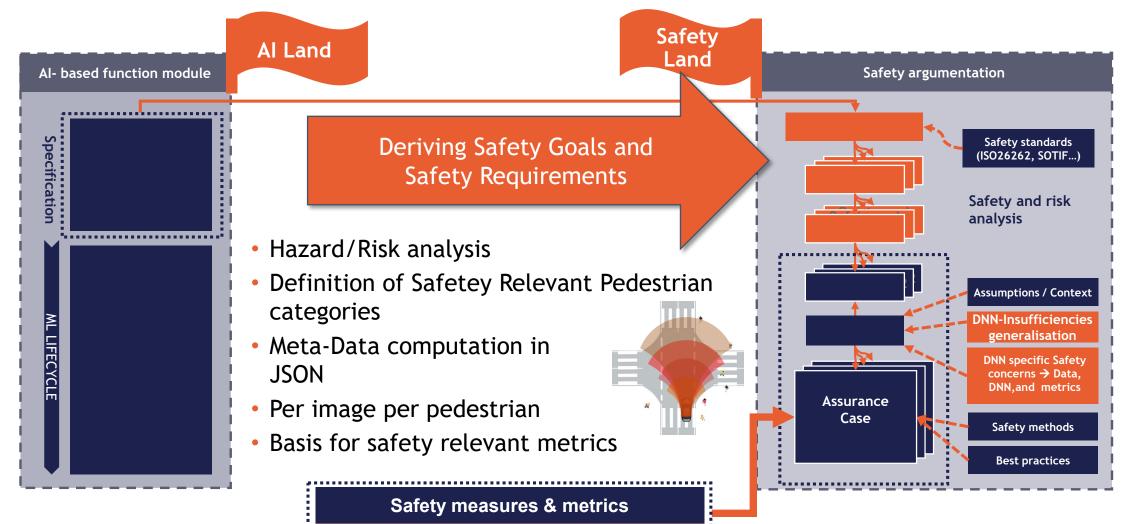




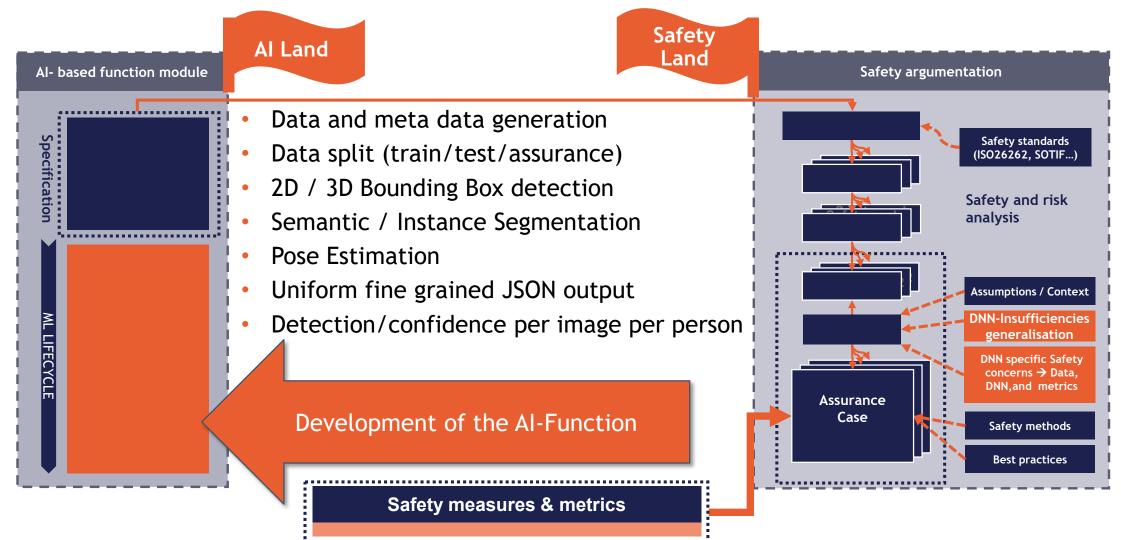




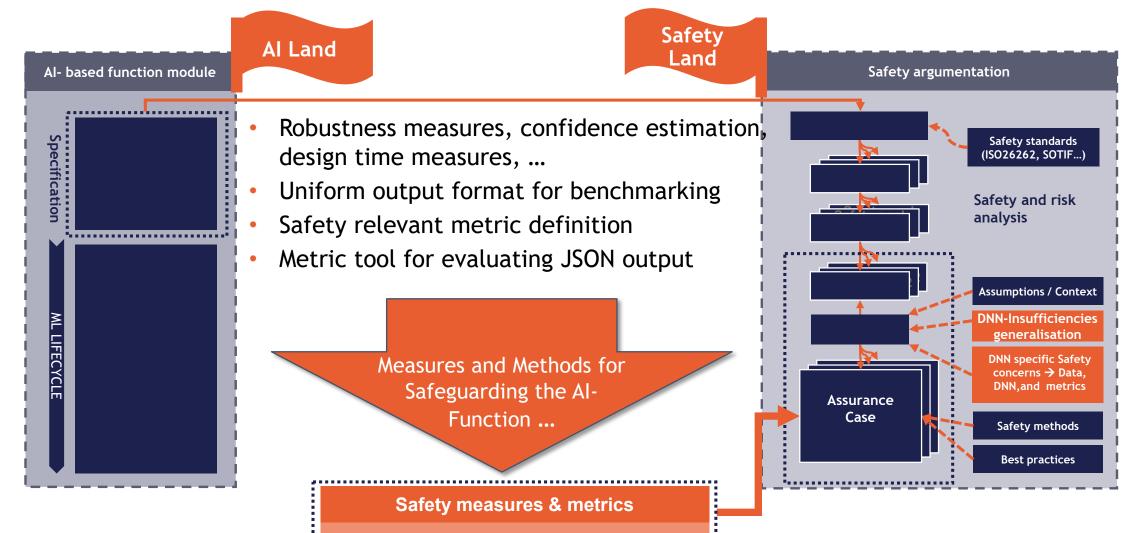




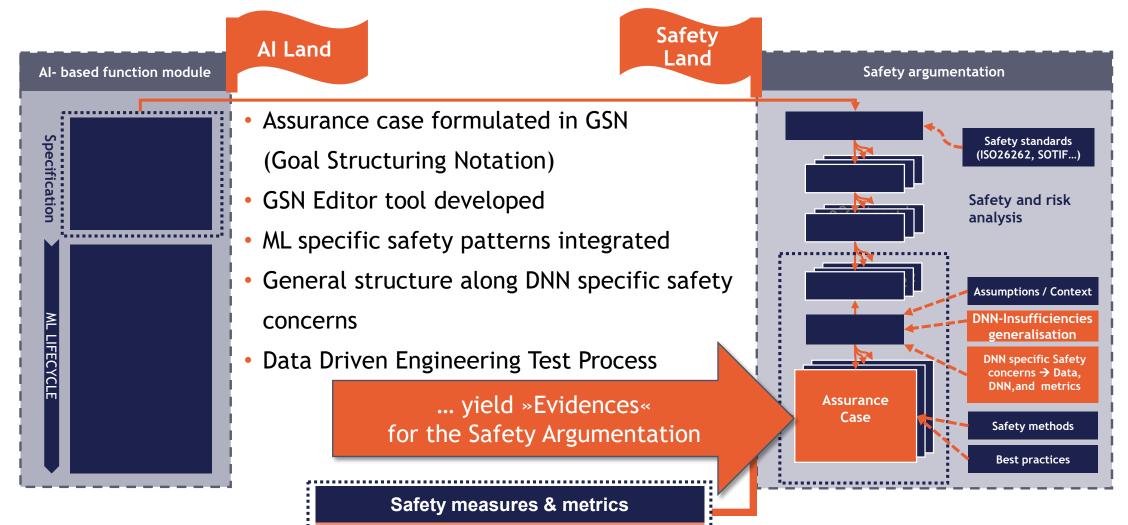


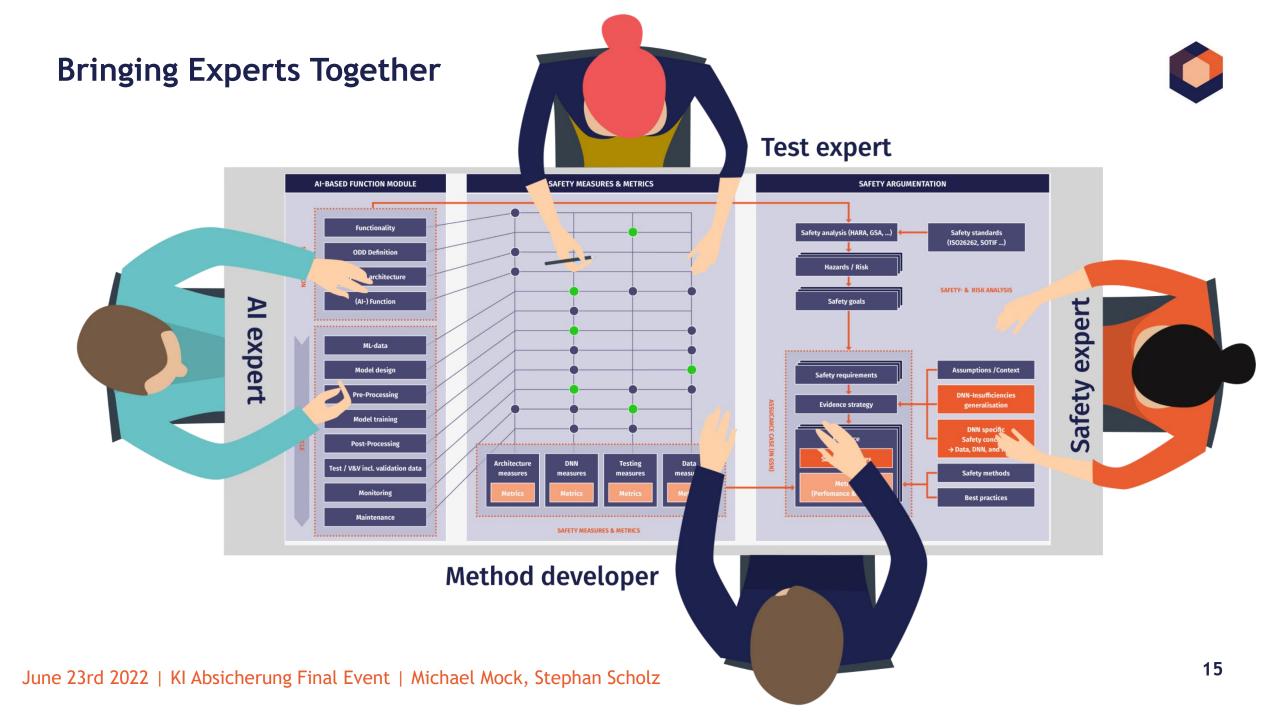












Process Operationalization: Evidence Workstreams

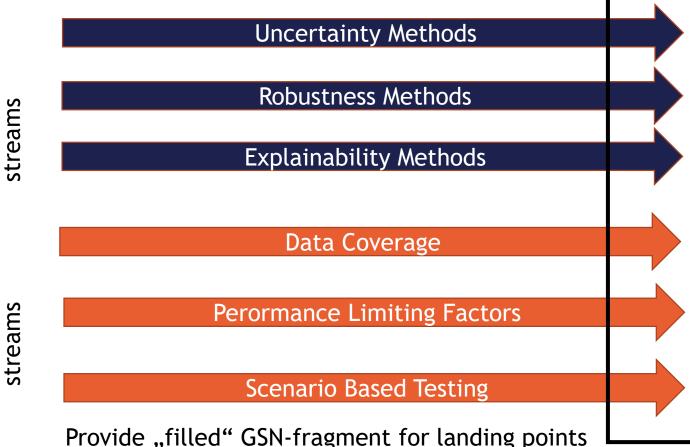


Workstream Organizer + Method Developers / Test Buddy / Safety Buddy



Method related streams

Data related



Evidences for Dealing with DNN-Specific Safety Concerns

DNN-characteristics

related concerns unreliable confidence information, brittleness of DNNs, incomprehensible, unplausible behavior

Data-related concerns

Data distribution vs. Real world ODD, ODD specification, rare critical situations, distribution shift, label quality, meta-data, ... Metric-related concerns Safety un-aware metrics

https://ki-familie.vdali.de/ki-newsletter-nr-2/ ki-absicherung-dnn-specific-safety-concerns



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KI Absicherung ist ein Projekt der KI Familie und wurde aus der VDA Leitinitiative autonomes und vernetztes Fahren heraus entwickelt.

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