Addressing challenges towards the deployment of higher automation

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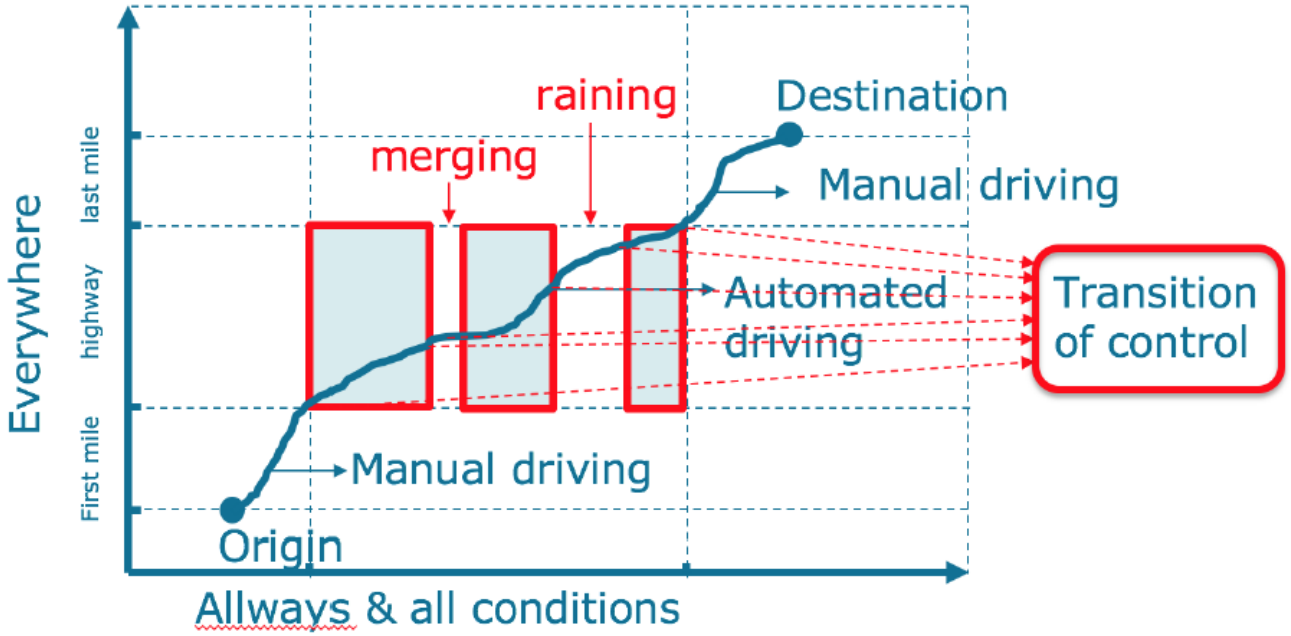
EU Horizon 2020 call:

H2020 DT-ART-06-2020 Large-scale, cross-border demonstration of highly automated driving functions, for passenger cars

Vision: Make automation robust and reliable

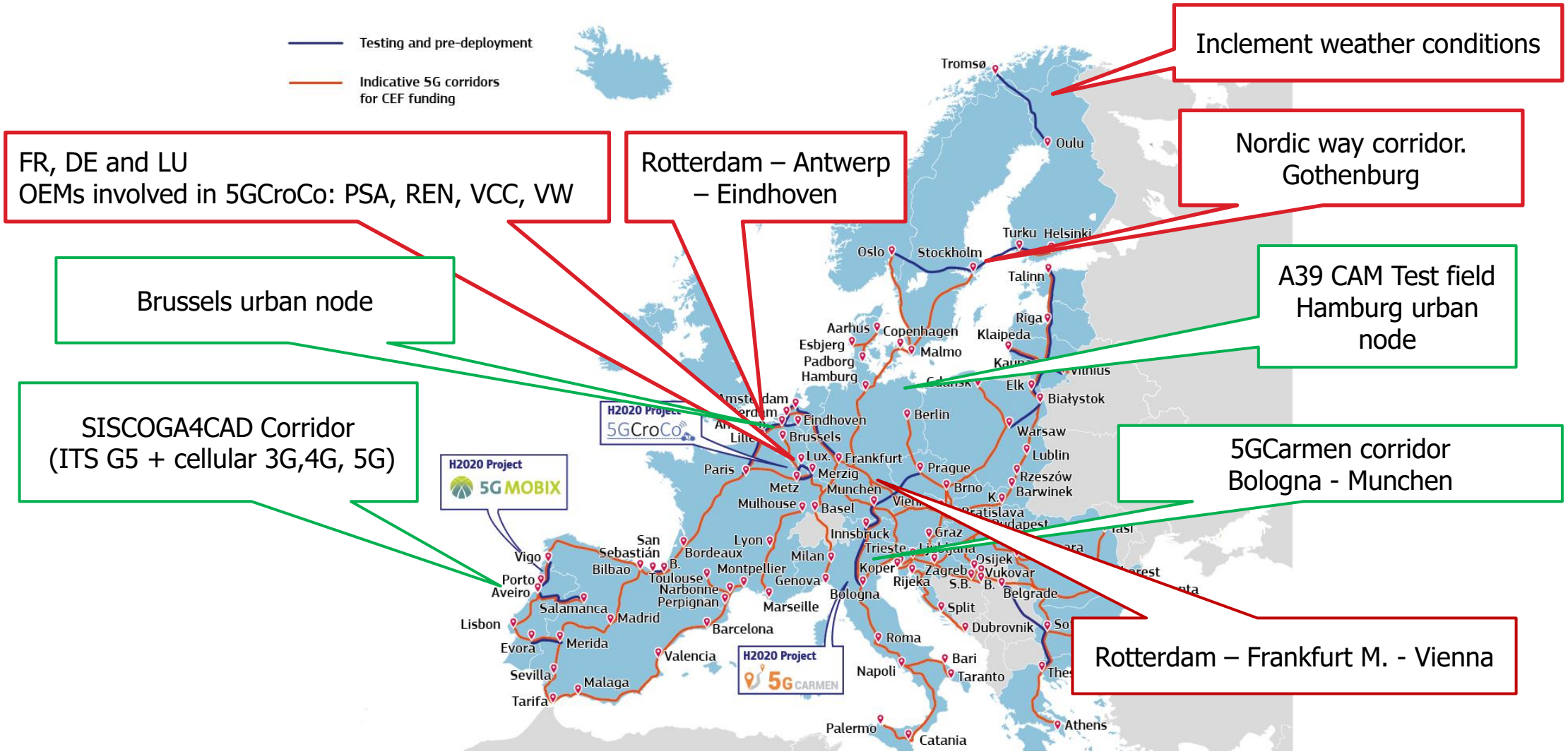
Project goal: Addressing challenges toward the deployment of higher automation

OOD extension …. How to get rid of fragmentations in Operational Design Domain?



The history: long lasting successful collaborations

European Commission | **5G Cross-border Corridors for Connected and Automated Mobility**



Project structure

SP1 Collaboration (coordination, cross-sector alliance, strategic liaison and twining, road testing procedures)

SP2 Enablers (connectivity & high precision positioning, resilience to cyber-threats, machine learning for ADs, Big data/IoT for digital maps)

SP3 Vehicles (use cases, scenarios, setting up the testing & demo system)

SP4 Methodology (research questions & data, experimental procedures, evaluation methods)

SP5 Users (interactions, human factors, acceptance, awareness & expectations, driver monitoring)

SP6 Operations (cross-border corridors testing, demonstrations)

SP7 Effects (evaluation, data, edge case database, effect on the transport system)

SP8 Outreach (knowledge translation, message tailoring, raise awareness, cultural heterogeneity, industry benchmark, roll-out innovation, pipeline from research to deployment)

39 Project partners

OEMs

VOLKSWAGEN AKTIENGESELLSCHAFT · Audi · BMW GROUP · MINI · FCA FIAT CHRYSLER AUTOMOBILES · CRF · SEAT · Ford · VOLVO VOLVO GROUP · PSA GROUPE · GROUPE RENAULT · HONDA The Power of Dreams · JAGUAR · LAND ROVER · HYUNDAI · TOYOTA · VOLVO · ?

Suppliers

APTIV · FEV · BOSCH · Valeo · NNG ARILOU Automotive Cyber Security Part of NNG Group · Visteon

Traffic engineering

PTV GROUP

?

IRF International Road Federation Fédération Routière Internationale Federación Internacional de Carreteras

Researchers

bast · DLR Deutsches Zentrum für Luft- und Raumfahrt German Aerospace Center · ICCS · ika | RWTH AACHEN UNIVERSITY · CHALMERS UNIVERSITY OF TECHNOLOGY · SNF CENTRE FOR APPLIED RESEARCH AT NHH · TNO innovation for life · UNIVERSITÀ DEGLI STUDI DI GENOVA · UNIVERSITY OF LEEDS · VTT · WIVW · WMG THE UNIVERSITY OF WARWICK · TU Delft · CTAG · INSTITUT VEDECOM

User group

FIA

SMEs

eict