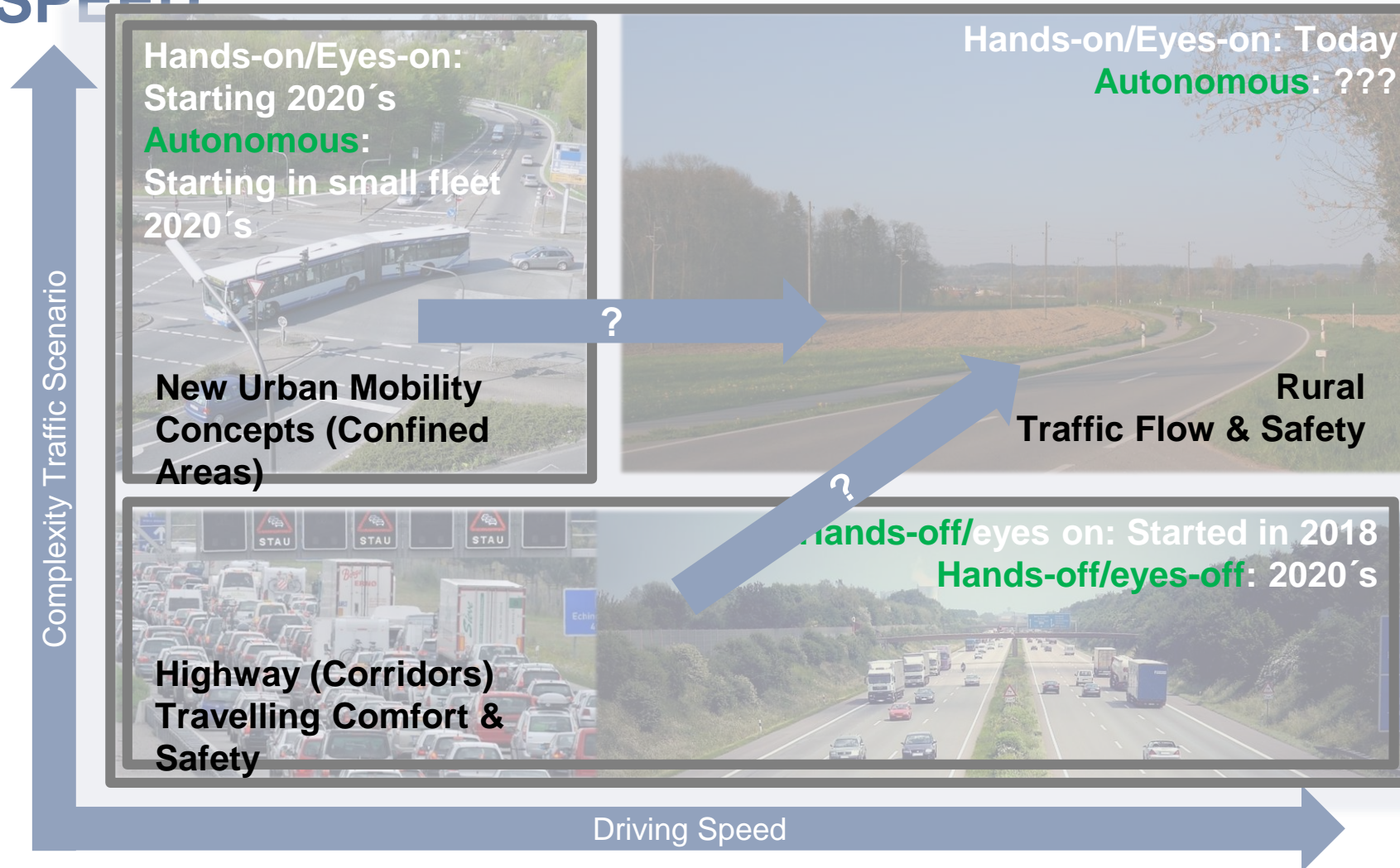
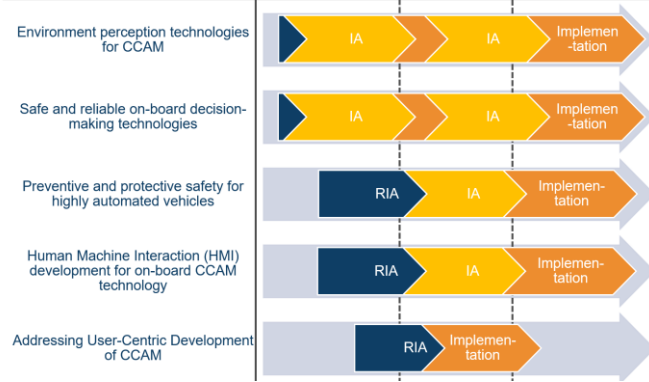


# ERTRAC 2019: WHAT DRIVES TECHNOLOGY? ROLLOUT LIMITED BY SCENARIO COMPLEXITY AND DRIVING SPEED

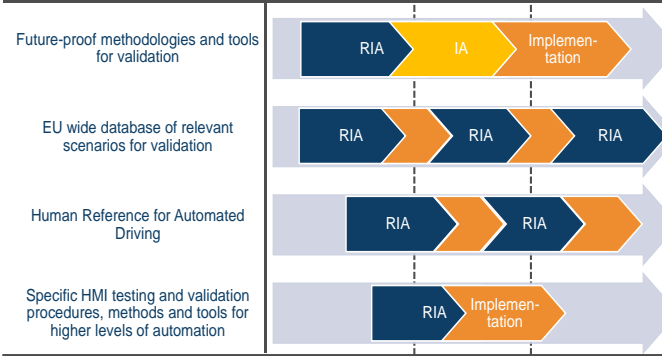


# CCAM SRIA: ENABLERS AND OUTCOMES.

## Cluster 2

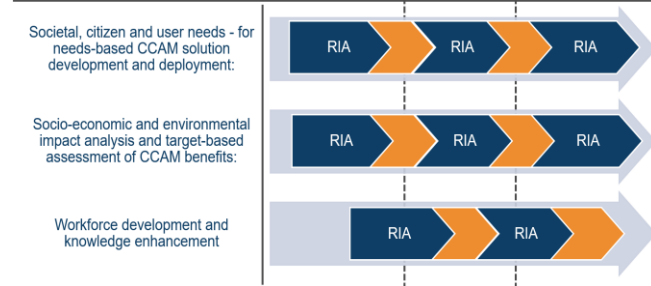


## Cluster 3

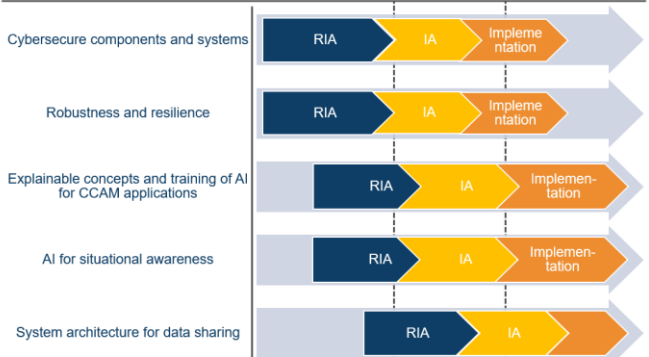


Cluster 7 is accompanying the whole process

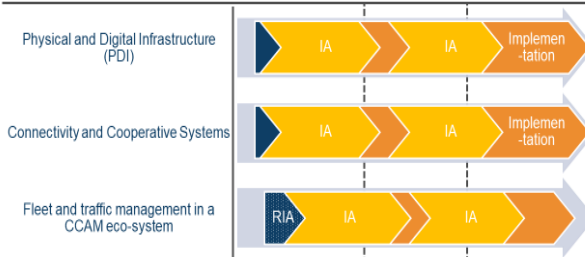
## Cluster 6



## Cluster 5



## Cluster 4



## Cluster 1

### Selected Use Cases in Limited Operational Design Domains:

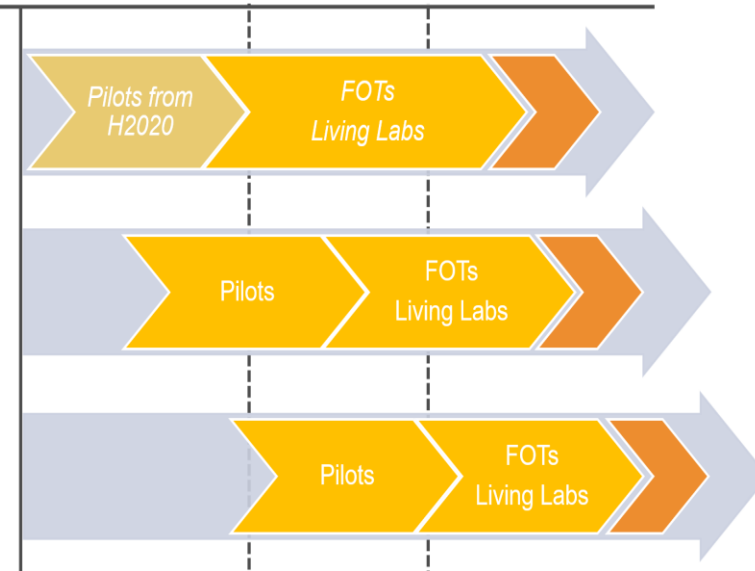
e.g. restricted traffic in confined areas such as parking and terminals

### Combined Use Cases in Extended Operational Design Domains:

e.g. mixed traffic on selected infrastructures on highways and corridors


### Complex Combined Use Cases in Large Integrated Operational Design Domains:

e.g. mixed traffic on urban, regional highways and rural roads




# ERTRAC 2021 DRAFT / SCHEMATIC: DOMAINS BUILD UPON EACH OTHER.


→ Vehicle Technology and Digital Infrastructure need to combine.





## Corridors → Highway

→ mastering speed 


Technological enablers	Highway		Corridor	
	Vehicle	Infrastr.	Vehicle	Infrastr.
2020-2030	Perception Interaction with traffic	ISAD B/C	Perception Cooperative driving	ISAD A Realtime digital twin
2030-2040	Costs/uptake Extended ODD	ISAD A (relevant areas) ISAD B/C (other areas)	Costs/uptake Extended ODD	ISAD A
2040-2050	See Rural	See Rural	See Rural	See Rural




## Rural

→ mastering high speed in high complexity traffic  

Technological enablers	Vehicle	Infrastr.
	2020-2030	Costs/uptake/performance
2030-2040	Perception on a higher level First small ODD	ISAD B/C on high level roads
2040-2050	Full ODD for defined road network	ISAD A in relevant areas ISAD B/C in all areas Realtime digital twin



## Parking / Confined Areas → Urban

→ mastering traffic complexity 

Technological enablers	Confined		Urban	
	Vehicle	Infrastr.	Vehicle	Infrastr.
2020-2030	C2X communication	Perception Safety	Perception Interaction with traffic First small ODD	ISAD C/D
2030-2040	Uptake Extended ODD	Uptake Extended ODD	Costs/uptake ODD	Realtime digital twin
2040-2050	See Rural		See Rural	