



Cooperation between EU and China Joint trial activities – Vedia

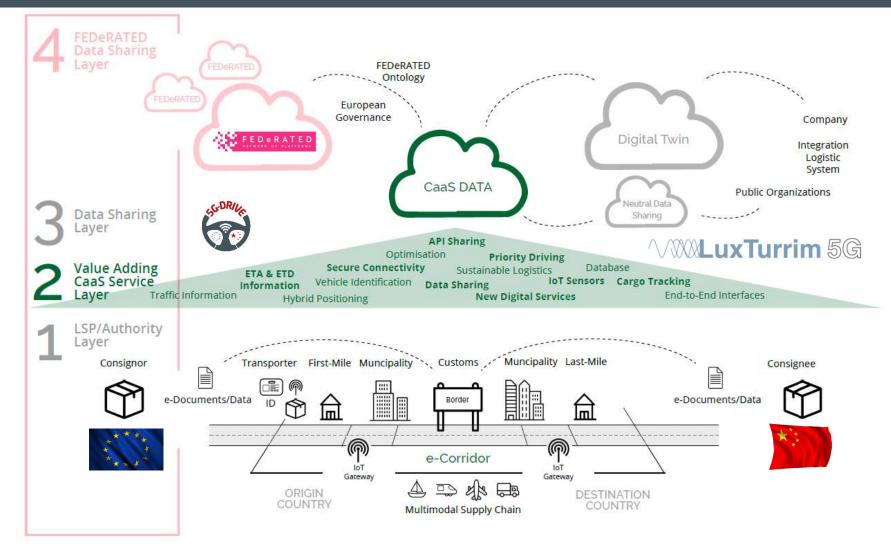
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5G-Drive. Tampere, December 17th, 2019



Vediafi develops e-Corridor services







Joint V2X Trial in 4.5.



- ► Task 4.5 Joint trial and reporting (Vedia, VTT, Dynniq, ERC, JRC, Orange, UKent, UL) (M8-M30)
- ► This task will define the joint trial plan on C-V2X with the Chinese partners. Joint trials will be carried on in this tasks.
- The trials would be performed using VTT's automated car and Vedia's mobile testlab vehicle within the range of Espoo(Tampere) 5G test network (1st tests on May 2019). Demonstrate the 5G connected automated car (VTT-Marilyn) in Espoo test network and driving fully connected test route.
- ▶ The validation data is reported in this task in terms of available data sharing capacity and latency times.
- ► The joint sharing of resources and report will be prepared together with Chinese partners
 - è Test drive from Espoo to Shanghai 2020







5G-Drive-LuxTurrim5G+ collaboration



- Test site Nokia campus Karaportti
- ▶ 5G-DRIVE aims to demonstrate 5G technologies at precommercial testbeds with V2X services and then demonstrate Internet-of-Vehicle (IoV) services using Vehicle-to-Network (V2N) and Vehicle-to-Vehicle (V2V) communications.
- ➤ Co-operation with LuxTurrim5G+ aims to demonstrate two V2X use cases at the Espoo trial site: one is green Light Optimized Speed Advisory (GLOSA) V2I, in which the automated vehicle communicates with the infrastructure sub-system via hybrid LTE/5G channels to obtain traffic light status; the second is Intersection V2V, in which two or more cars are exchanging trajectory data through C-V2X and ITS G5 channels when approaching an intersection area.
- LuxTurrim5G project will provide an urban environment to experiment information exchange between vehicle and infrastructure. As part of collaboration, 5G-DRIVE and LuxTurrim5G project define a joint test plan.



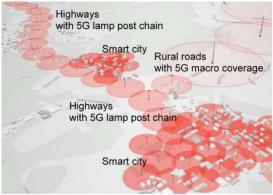


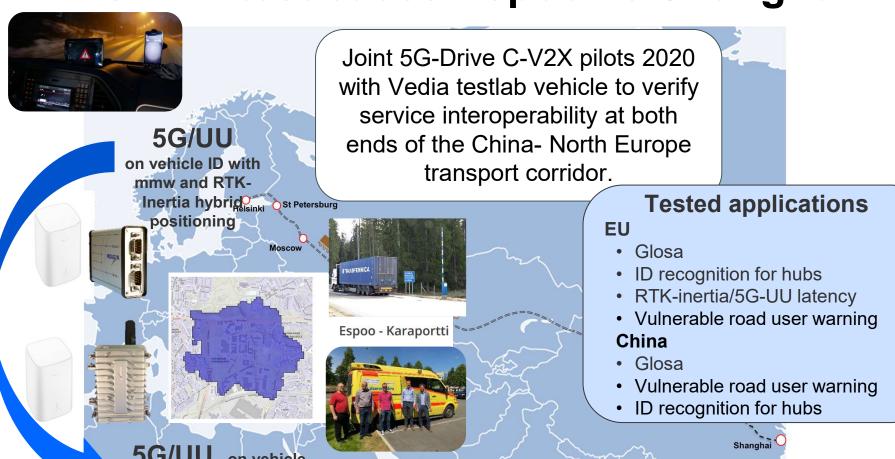
Figure 1. LuxTurrim5G - 5G concept vision



Joint trial implementation



C-V2X test cases Espoo vs Shanghai



recognition with mmw and

RTK assisted positioning

C-V2X OBU & RSU from VTT/Dynniq



Thank you for your attention!

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Find us at www.5g-drive.eu

Twitter: 5gDrive

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