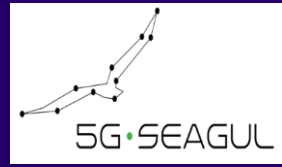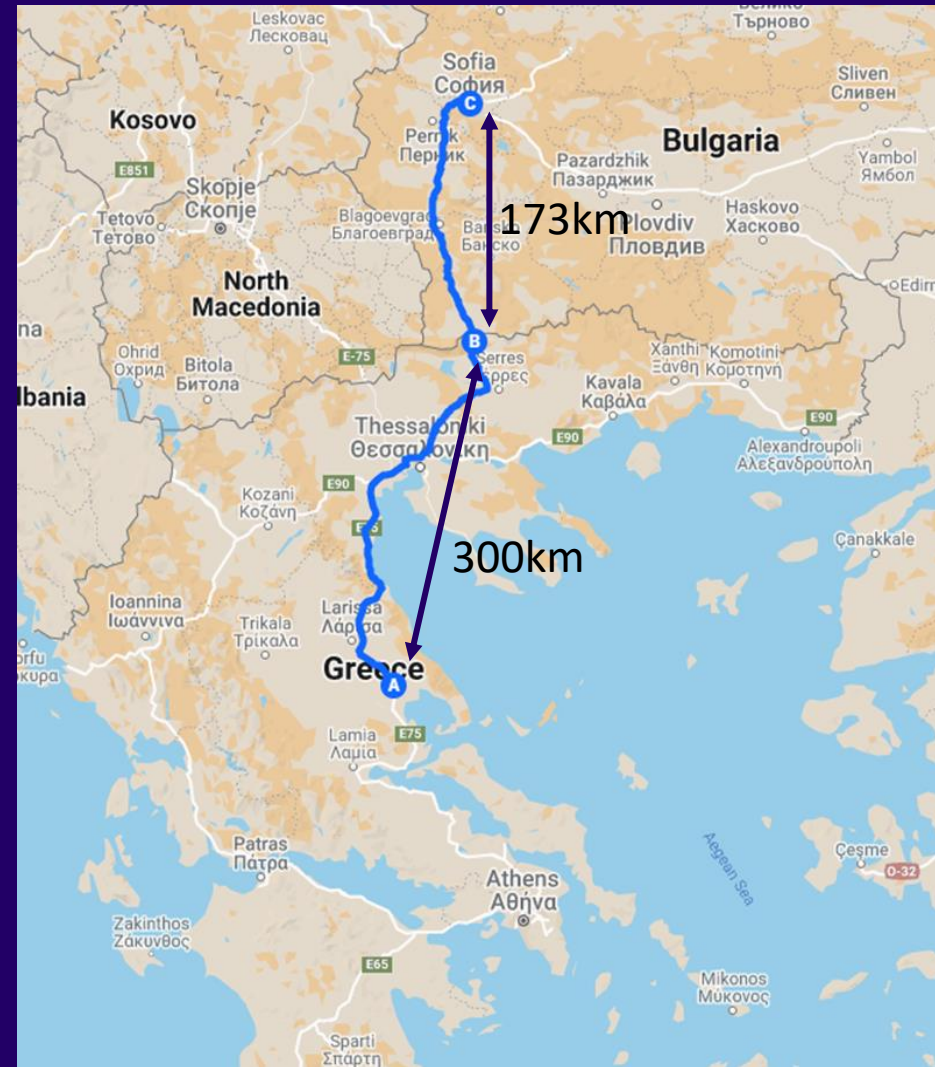# 5G SEAGUL

Provide uninterrupted 5G connectivity

- Capable of supporting select advanced CAM UCs, focusing on the Orient/East-Med corridor traversing the GR-BG borders, including the border-crossing of Promahonas/Kulata

Support the effective interconnection of the COSMOTE and A1BG PLMNs (Public Land Mobile Network)

- Investigate the optimal roaming configurations to support CAM traffic

Validate the network (and applications) performance and the usefulness of 5G connectivity

- Via field trials targeting selected use cases: **Safety and Convenience, Logistics**

173km

300km

Challenges and recommendations

Main challenge

Interoperability between operators (cross-border corridor)

- Interactions with vendors
- Interfaces and interconnections (based on 3GPP standards)
- Roaming and service continuity when crossing borders
- Bands allocation and licenses
- Large scale deployments (~470km in total of corridor length)

Recommendations

Harmonization of TDD operations in the cross-border area

S1 handover (interconnection between Core networks) for achieving Inter-PLMN seamless roaming

Plan for mitigating potential issues with supply chains