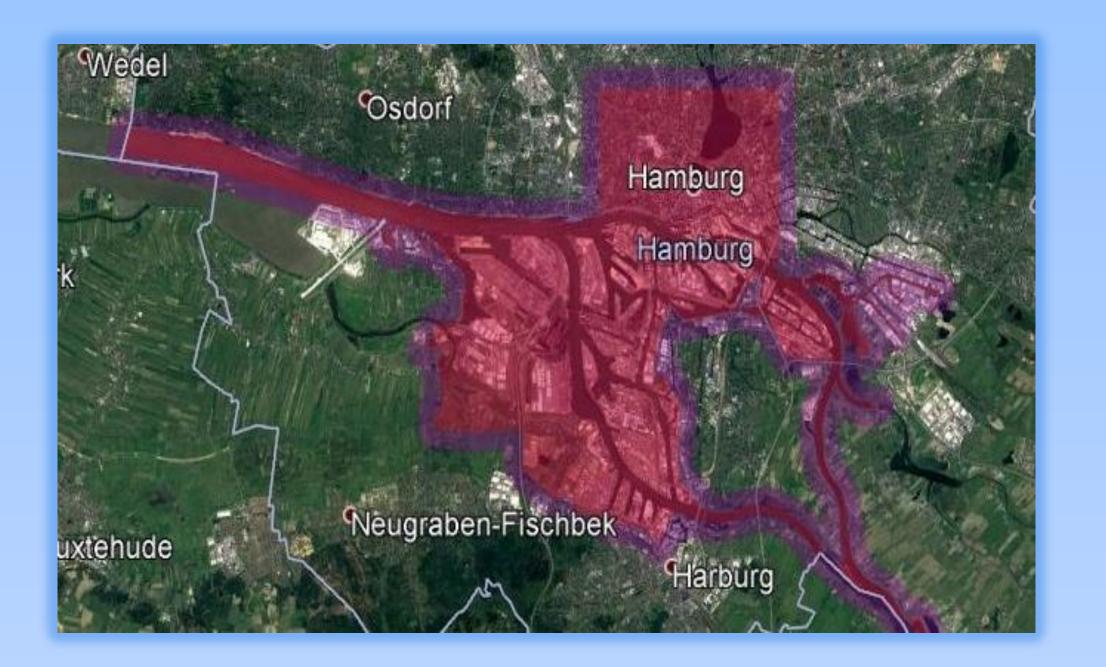


# Verification & Validation of 5G Mobile Network Architecture





## **Evaluation scenario**

Hamburg study area covering

- Inner city centre
- Sea port area

**Evaluation case 1:** Resilient network slices



## **Evaluation case 2:**

Elastic network slices enabling local peak performance



## **Evaluation case 3:**

Economies of scale and scope in wider smart city environments



# Techno-economic verification

Define services and demand profiles per evaluation case

#### Revenue assessment:

- Existing ecosystems
- Operational benefits
- □ Willingness to pay

#### **Cost assessment:**

- □ Baseline eMBB network costs
- □ Incl. enablers in cost model
- Cost with enablers per evaluation case

Impact on return on investment for each evaluation case

**Commercial verification** 

Assessment of social and wider economic benefits of services per evaluation case

Socio-economic verification

Likely commercial models needed and implications for deployment options and partnerships

Implications for stakeholders and validation of findings























