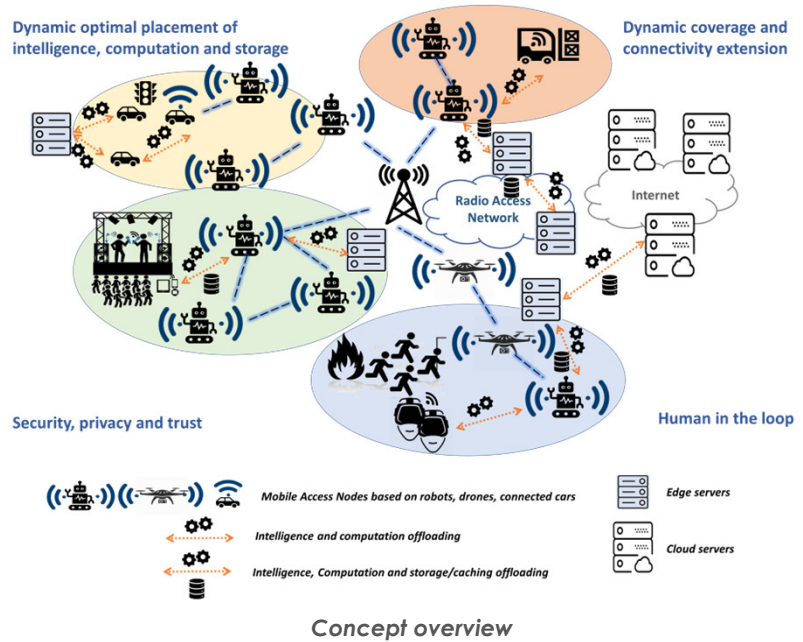




## Dynamic coverage Extension and Distributed Intelligence for human Centric Applications with assured security, privacy, and Trust: from 5G to 6G

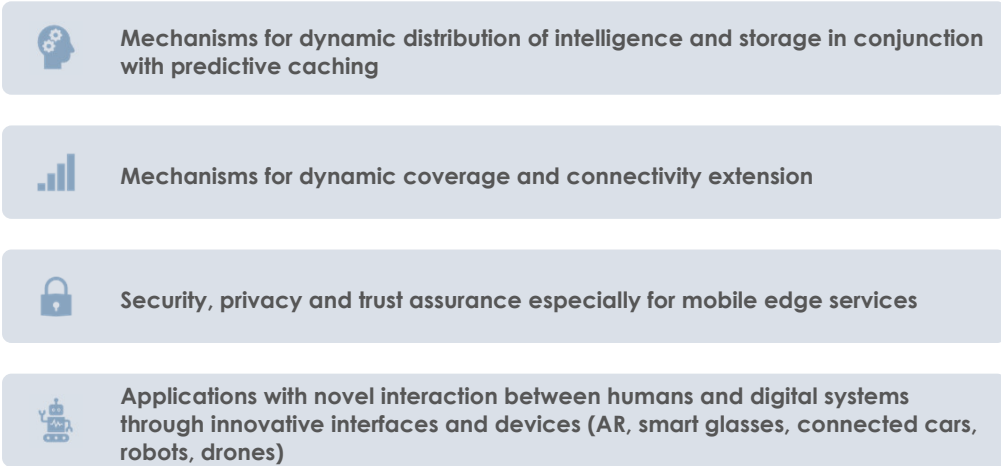
### Overview

- 5G networks offer unparalleled data rates and features.
- However, these are still far from what a hyperconnected society and industry needs
  - Support for more dynamic resourcing and connectivity
  - Improved adaptability, performance, and trustworthiness
- DEDICAT 6G aims to develop a smart connectivity platform using artificial intelligence and blockchain techniques that will
  - Enable B5G/6G networks to combine existing communication infrastructure with novel distribution of intelligence (data, computation, and storage) at the edge
  - Allow not only flexible, but also energy efficient realisation of the envisaged real-time experience.



## Key challenges and Approach

- Dynamic distribution of intelligence and computation** for reduced energy and resource consumption
- Dynamic coverage and connectivity extension** in support of digital inclusion
  - support service continuity also in more "remote" areas
- Enhanced security, privacy and trust**
- Human in the loop**



Key enablers

## Project details

**Project Information**

**DEDICAT 6G**  
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DEDICAT 6G consortium consists of **14 partners** in total from **8 countries**

- 1 Operator: ORANGE
- 3 Technology vendors: NOKIA, AIRBUS, ATOS, OPTIN
- 2 SMEs: WINGS, TTI
- 1 Logistics operator: DIA
- 5 internationally recognized universities and research centres: VTT, VLF, CEA, UoS, IMEC and TUC

The work plan consists of 8 Work Packages (WP)

