



# Multi-technology Het-Nets

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# Objective of the proposal

- **5G will be based on heterogenous networks**
  - Macrocell layer, mainly to provide a continuous coverage
  - Deploy small cells to provide capacity
- **Several technologies for the small cell layer**
  - Cellular based (4G, 5G)
  - Wi-Fi technology (cheap and widely deployed)
- **Objective of the project**
  - Coupling both technologies in the RAN
    - Dual connectivity
    - Advanced energy saving procedures
    - Possible Cloud-RAN based approach
    - Advanced Access Network Discovery and Selection functions
    - Convergence between fixed and mobile access networks

# A simplified view of the architecture

