

# 5G – Wi-Fi Radio-level Aggregation Demo

Nokia Bell Labs / End-to-End Mobile Network Solutions

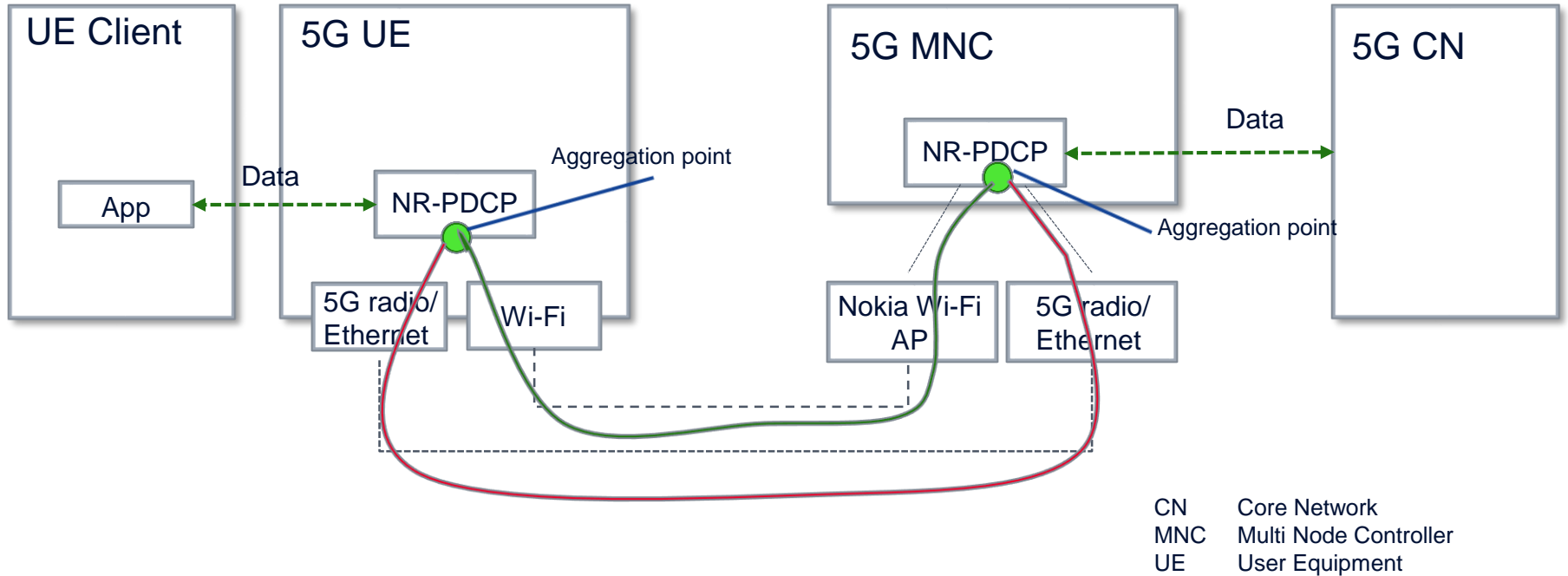
- Janne Tervonen, Harri Povelainen
- 16-12-2016

# Radio-level Aggregation

- Maximize the usage of available accesses
- Traffic routed over both 5G and Wi-Fi simultaneously
- Main benefits:
  - Control over access usage
  - Resiliency
  - Peak throughput



# Demo Architecture



# Radio-level Aggregation

- Next steps:
  - Introduce 5G radio
  - Dynamic flow control
  - Support for multiple UEs
  - Support for multiple RRHs
  - Aggregation algorithm testing and validation



**NOKIA**