



SPEED-5G

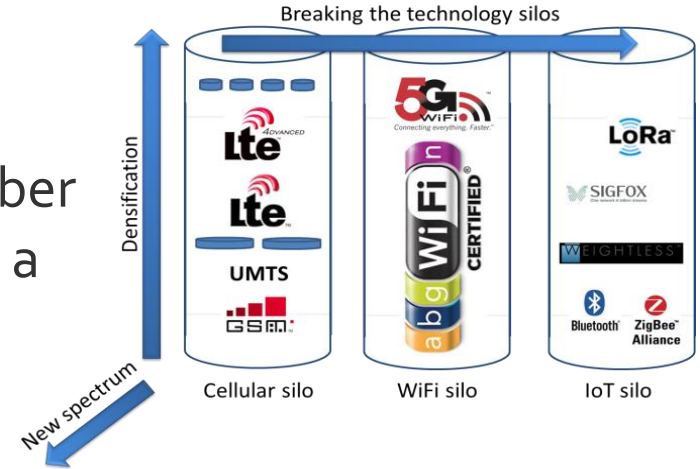
5G Huddle 2016

Demonstration

WINGS ICT Solutions
London, Apr. 2016

Motivation & Challenges

- ▶ Demand for very high data rate transmissions and increased capacity
- ▶ Demand for accommodating huge number of users (probably with high mobility) in a reliable manner and low latency
- ▶ Multi-service environment (MBB, MMC, MCC, V2X)



But...

Potential constraints

- ▶ Limited and expensive resources
- ▶ Constrained communication quality
- ▶ Potential interference from ultra-dense infrastructures

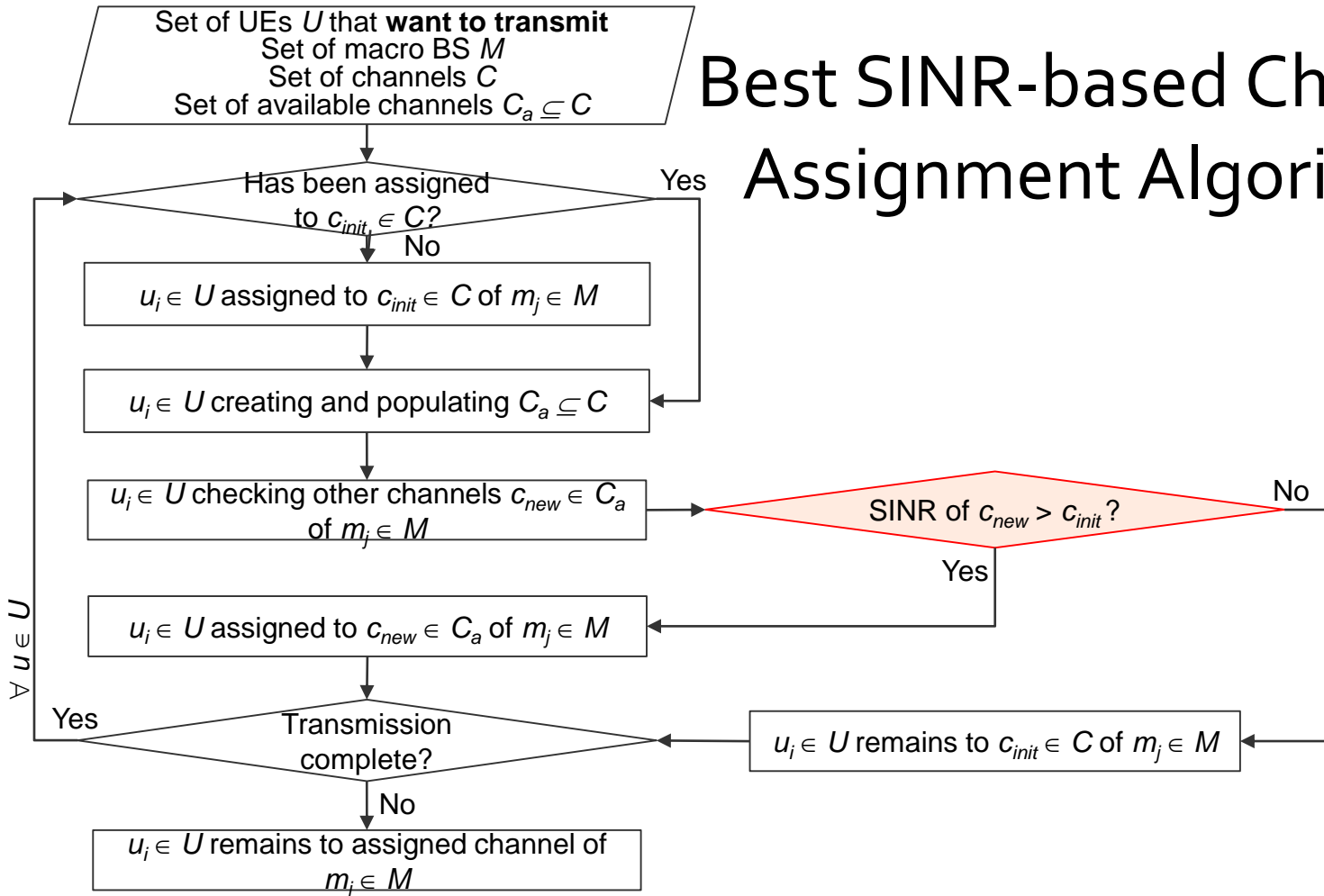


So...

What can we do?

- ▶ Cognitive RRM; MAC solutions for adoption of Dynamic Channel Assignment
- ▶ Efficient use of resources
- ▶ Potential prioritization of users depending on the service type they would like to use

Best SINR-based Channel Assignment Algorithm



Thank you for your attention!

Find us at www.speed-5g.eu

Acknowledgment:

The research conducted by Speed-5G receives funding from the European Commission H2020 programme under Grant Agreement N: 671705. The European Commission has no responsibility for the content of this presentation

Backup Slides

Random Channel Assignment Algorithm

