



Radio Access and Spectrum FP7 - Future Networks Cluster

Panel Session – C-RAN (Cloud Radio Access Network) Concepts

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- **Chair: Colin Willcock, NSN (SEMAFOUR)**
- **Albert Banchs, Institute IMDEA Networks (iJOIN)**
- **Claudio Cicconetti, Intecs (CROWD)**
- **Afif Osserain, Ericsson (METIS)**
- **Josep Vidal, Universitat Politècnica de Catalunya (TROPIC)**
- **Uwe Doetsch, Alcatel Lucent**

- Try to get the right balance between presentation and discussion.
- Each panellist will give a short presentation of 10 minutes
- with a maximum of 5 slides. The presentation would cover the following issues:
 - Introduction to the concept of C-RAN and its benefits
 - The key future research issues for C-RAN
 - Standardization impact (if any) of C-RAN
 - Concrete example of how C-RAN deployment will look in 2020.



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- 1. What is the role OTT content optimization?**
- 2. What are the hottest emergent trends?**
- 3. How can standardization enable or support C-RAN diffusion?**
- 4. If operators buy RANaaS on-demand, who is going to provide physical infrastructures?**
- 5. Which specific use cases / needs are most suited to C-RAN?**
- 6. What are the key incentives for operators to invest in C-RAN deployments?**

- 7. Which network functions will be virtualized first?**
- 8. Which choice is safest: macro- or micro-data centers?**
- 9. What are European strengths and weaknesses for C-RAN technology developments?**
- 10. Are current cloud technologies mature enough to adequately support C-RAN?**
- 11. What are the opportunities and challenges of RANs supporting cloud services?**