



5G RECORDS

5G Opportunities for Content Production

IEEE BTS Webinar

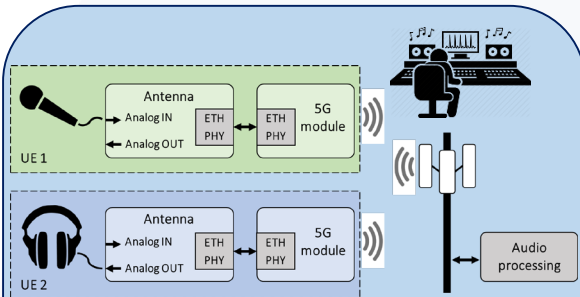
9th December 2020

Prof. David Gomez-Barquero



Live Audio Production

5G RECORDS



- Open and Virtualised RAN
- NR-RedCap & URLLC
- Software Defined Radio
- Dynamic Spectrum Access



Design

of 5G components for professional content production



Development

of state-of-the-art 5G prototypes



Integration

into end-to-end 5G infrastructures



Validation

in the context of real production use cases

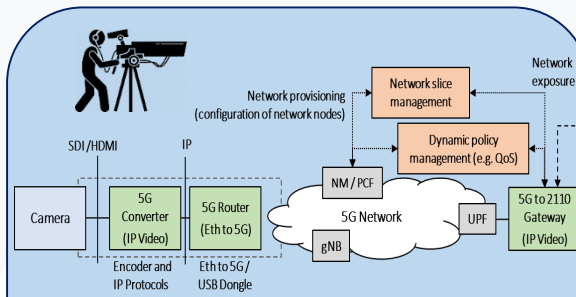


Demonstration

of the potential value for the sector

Multiple Camera Wireless Studio

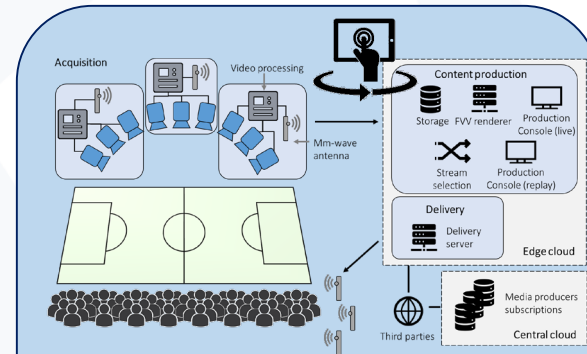
5G RECORDS



- Non-Public Networks
- Timing and Synchronization
- Network Slicing
- Media Orchestration

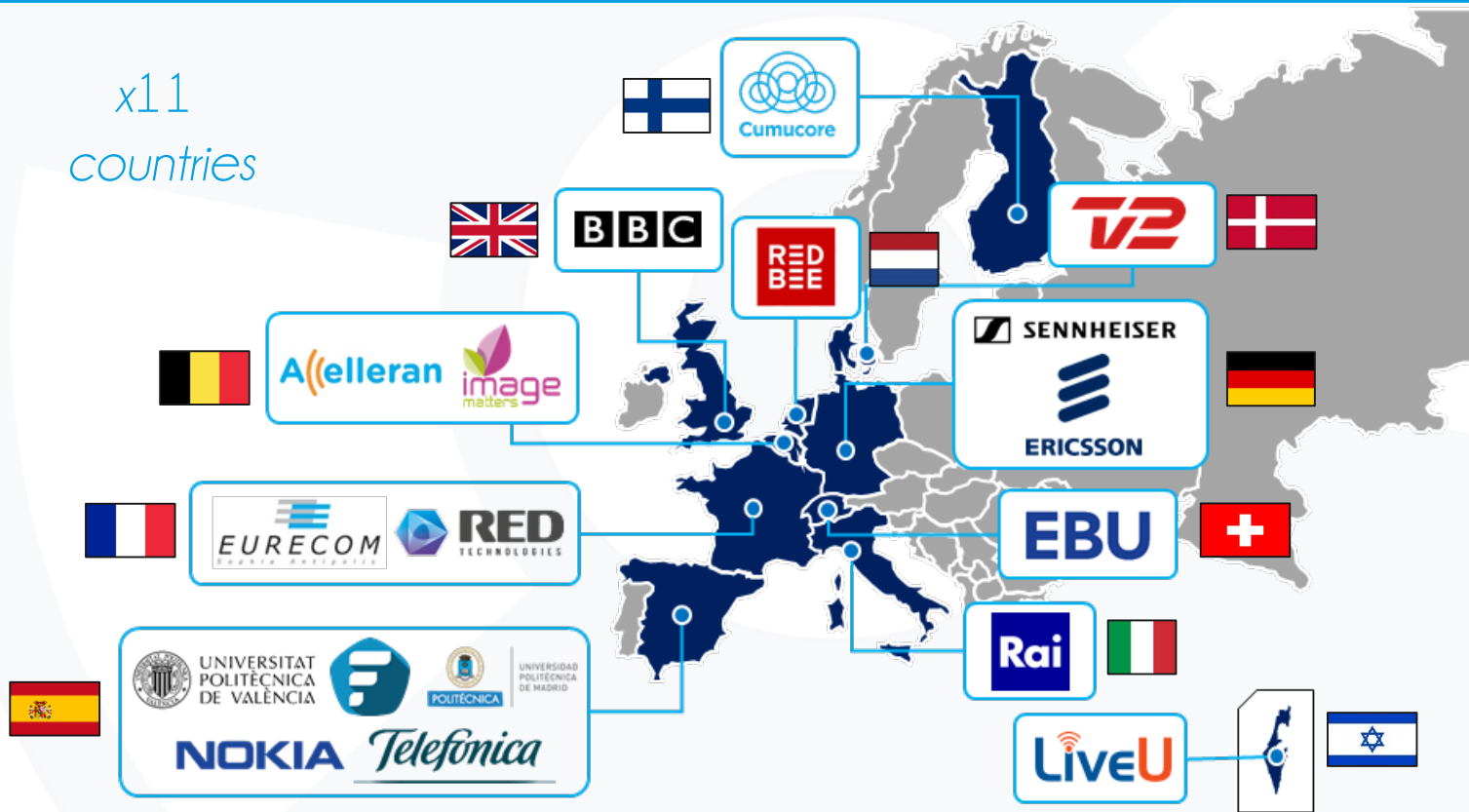
Live Immersive Media Production

5G RECORDS



- Edge Computing
- mm-Wave Antennas/Devices
- Centralized/Distributed 5GC

x11
countries

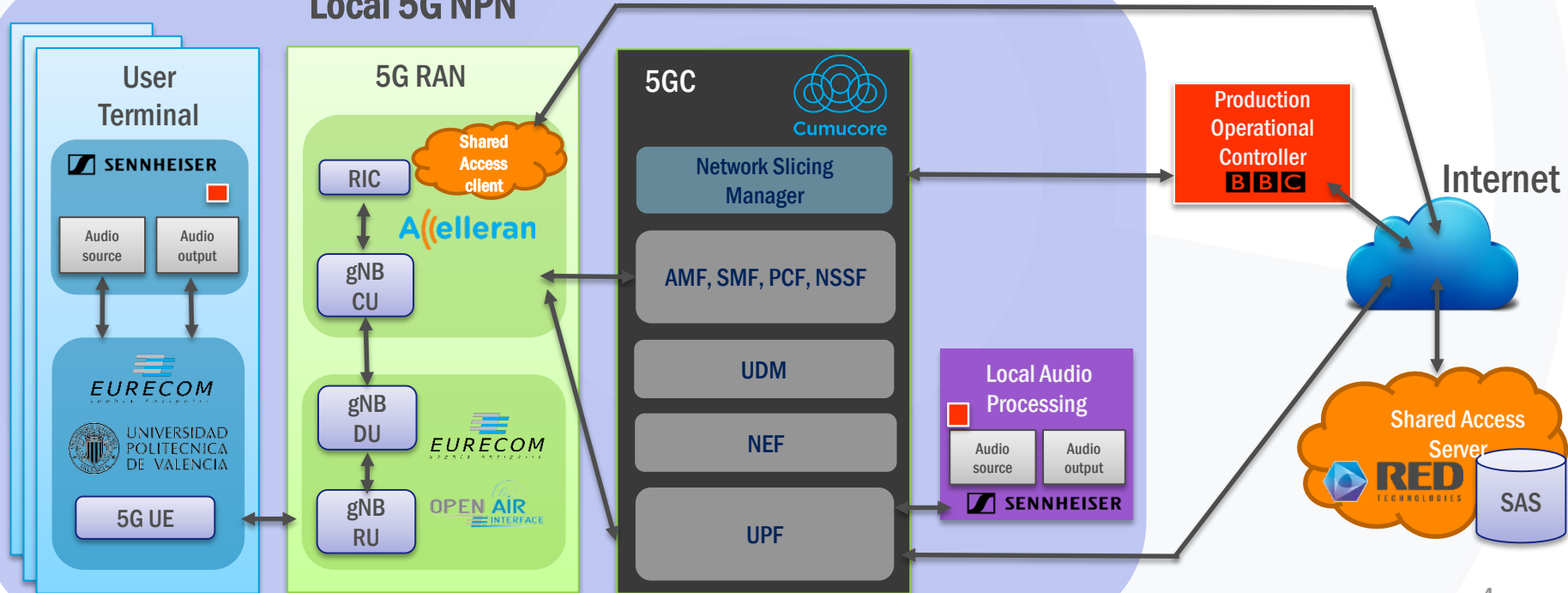


x18
partners

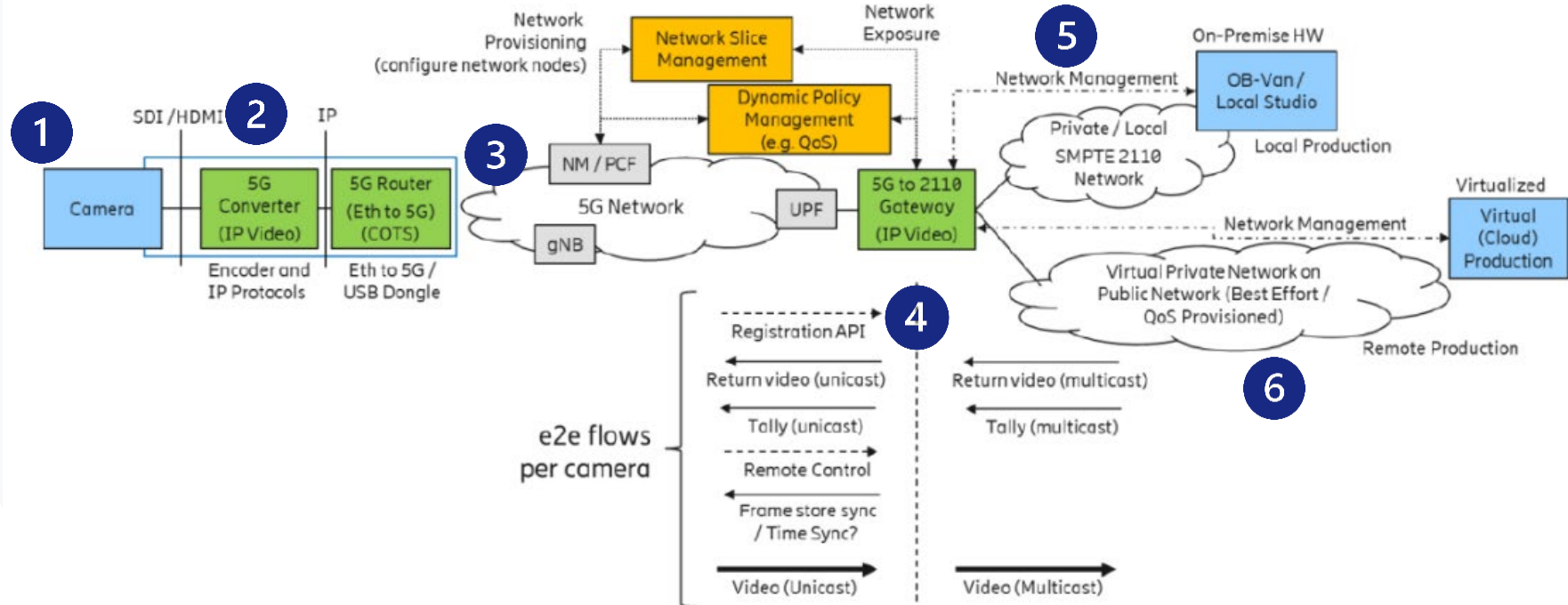
Live Audio Production Use Case



Local 5G NPN



Multiple Camera Wireless Studio Use Case



Live Immersive Media Use Case

NOKIA

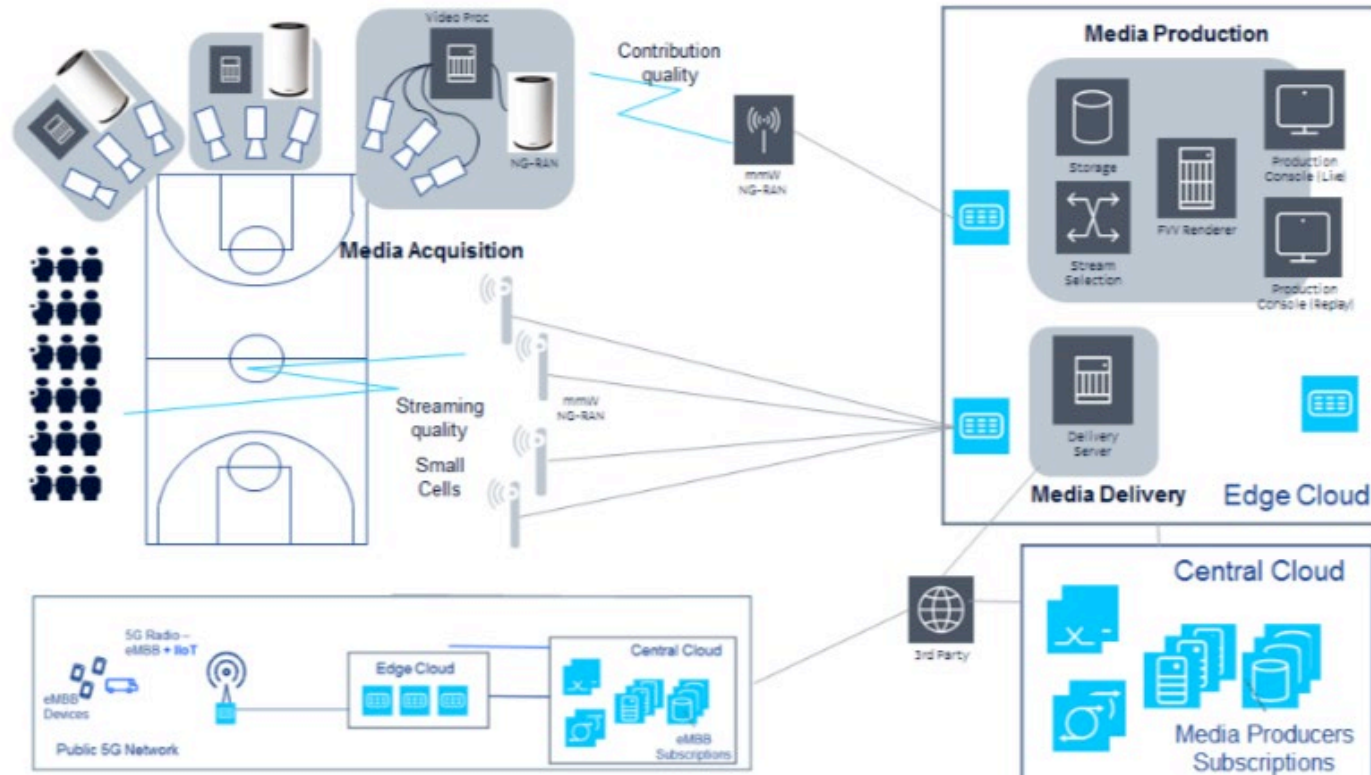
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IEEE BTS Pulse Feb. 2021

- **Day 3: 5G Content Production (9:30-11:30 ET)**

- Opening Remarks - Session Chair: [David Gomez-Barquero](#) (UPV)
- 5G in content production - the European perspective - [Ian Wadwin](#) (BBC)
- 5G Technology Enablers for Content Production – Part I - [Thorsten Lommar](#) (Ericsson)
- 5G Technology Enablers for Content Production – Part II - [Pablo Perez](#) (Nokia)
- 5G Wireless Studio - [Paola Sunna](#) (EBU)
- 5G for Live Audio Production - [Maria Perez](#) (Sennheiser)
- Panel Session and Q&A



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Thanks for your attention!
Any questions?