NB-IoT Forum Chairman's Update

26th February 2017

Narrow Band IoT Forum Membership
34 Mobile Network Operators, 25 Vendors

GSMA Mobile IoT

161 companies have joined the MIoT Innovator Community
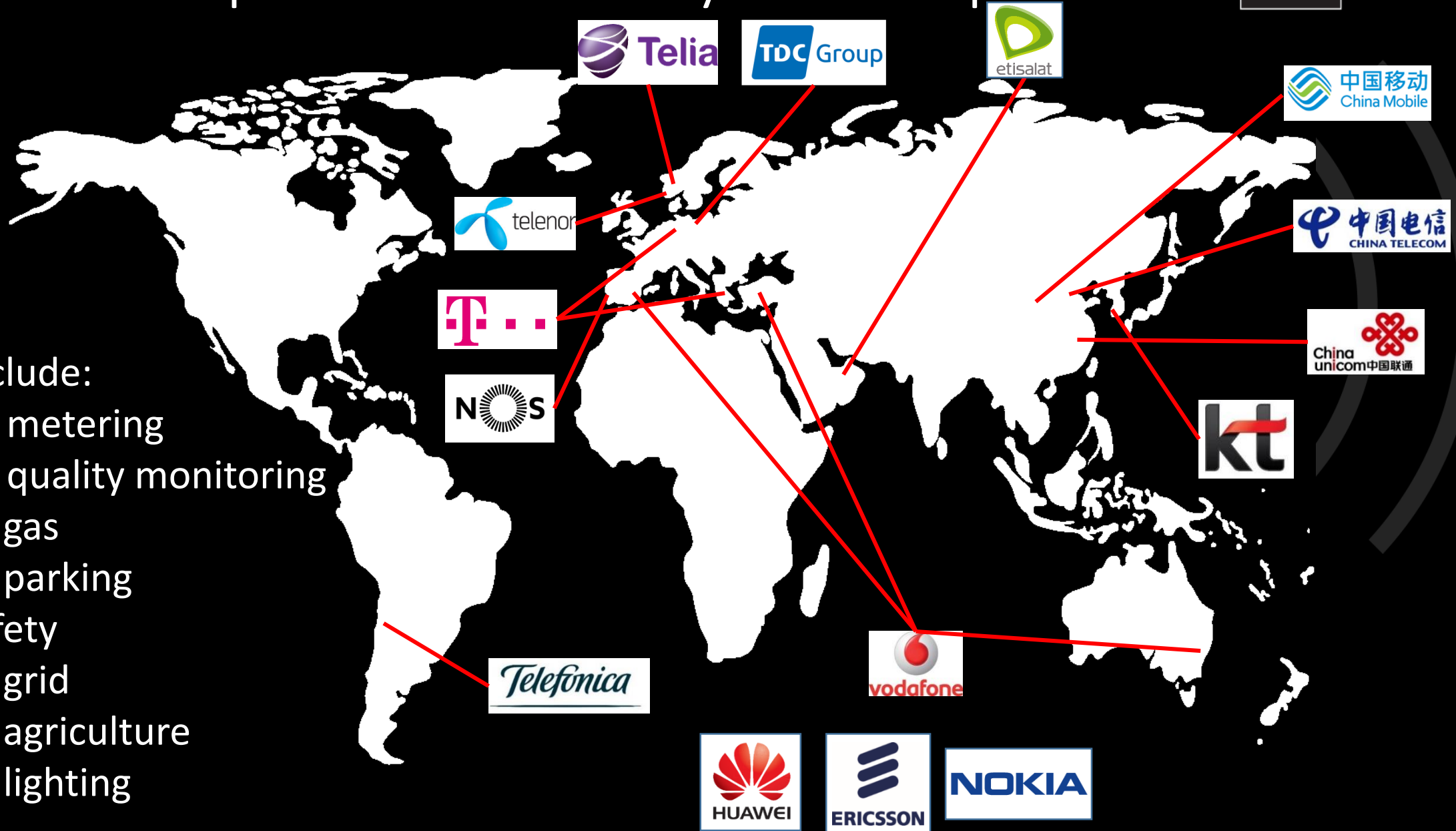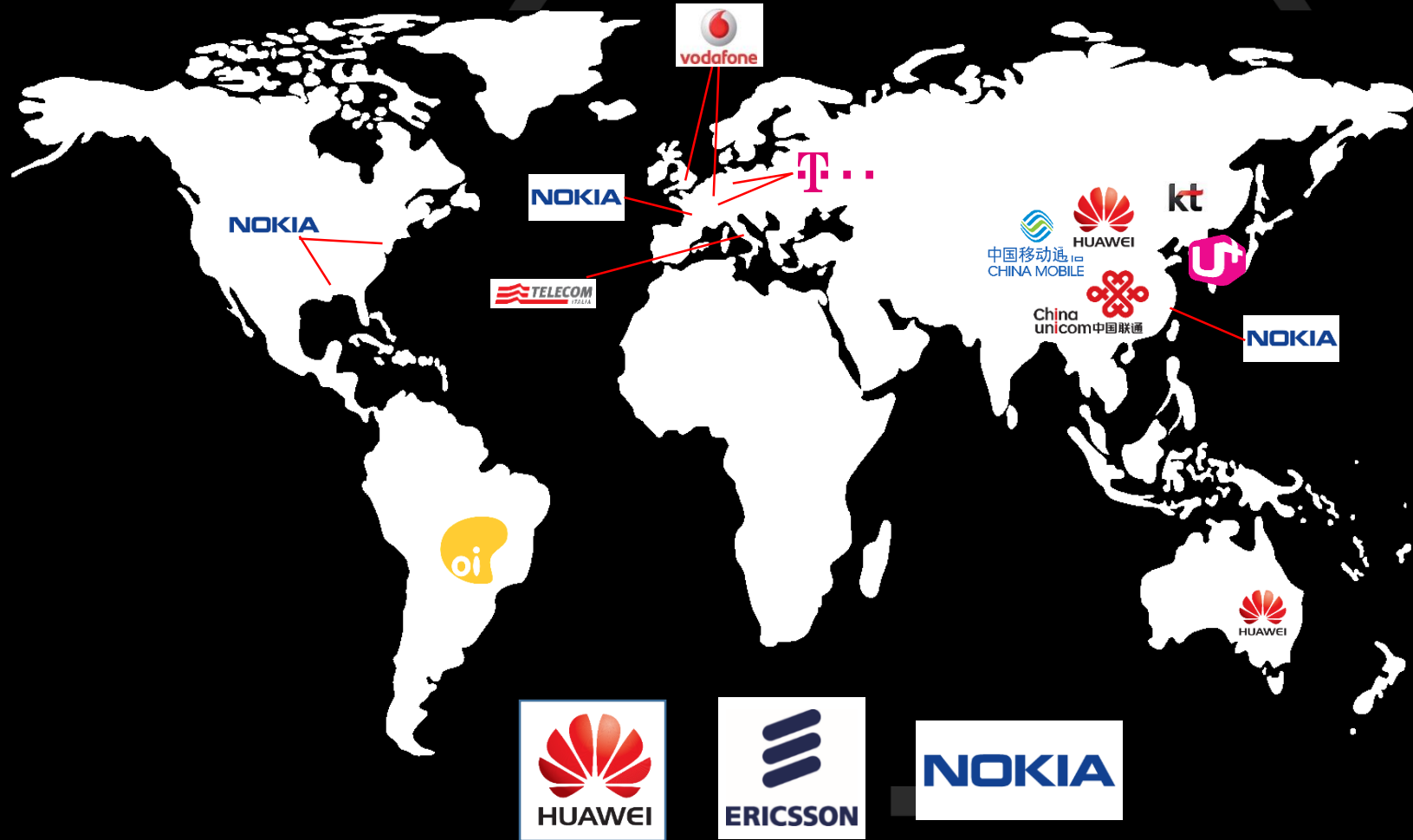
22 NB-IoT pilots underway or completed

Pilots include:
- Water metering
- Water quality monitoring
- Smart gas
- Smart parking
- IoT safety
- Smart grid
- Smart agriculture
- Smart lighting

An increasing number of NB-IoT Open Labs

- China Mobile

- Deutsche Telekom
  - Germany & Poland

- KT

- LG Uplus

- Oi

- Telecom Italia (Italy)

- Vodafone
  - UK & Germany

Vendors are supporting multiple labs, in association
with MNOs and independently (Huawei, Nokia)

Mobile IoT

Mobile IoT Showcase @MWC2017

Mobile IoT

NB-IoT at the Mobile IoT Showcase, GSMA Innovation City stand (Hall 4)

- 19 companies expressed a desire to take part
- 12 proposals evaluated in the final phase by NB-IoT Forum members
- 2 NB-IoT based solutions selected for display and demonstration

Winner

Runner-up

- Veolia fully integrated waste collection solution
- Smart bins are remotely monitored for fill level
- Collection vehicle route optimised based on need for collection
- Cost & fuel savings for municipalities

- Hisense NB-IoT connected air-conditioner
- Remote monitoring and control of enterprise & domestic air-conditioners
- New service opportunities for white goods vendors

NB-IoT Demos at GSMA Innovation City MWC 2017

Mobile IoT

- 6 NB-IoT enabled demos
  - *Waste Management – Veolia – live (Telefonica)*
  - *Air Conditioning – Hisense – live (Vodafone)*
  - *Connected Seal Tracking – University of St Andrews - static*
  - *Connected Factory – CMCC – live (Telefonica)*
  - *Smart Parking – Worldsensing – live (Telefonica)*
  - *HappyOrNot – HappyOrNot - live (Vodafone)*

- Live NB-IoT coverage provided by Vodafone Spain and Telefonica

More details available at the GSMA Innovation City stand in Hall 4

NB-IoT on the path to commercial services

- Vodafone commercial rollout 2017
  - Spain – 6 major Cities
  - Germany
  - Ireland
  - Netherlands
- Telefonica live customer pilot
  - Chile
- Deutsche Telekom live coverage
  - Netherlands
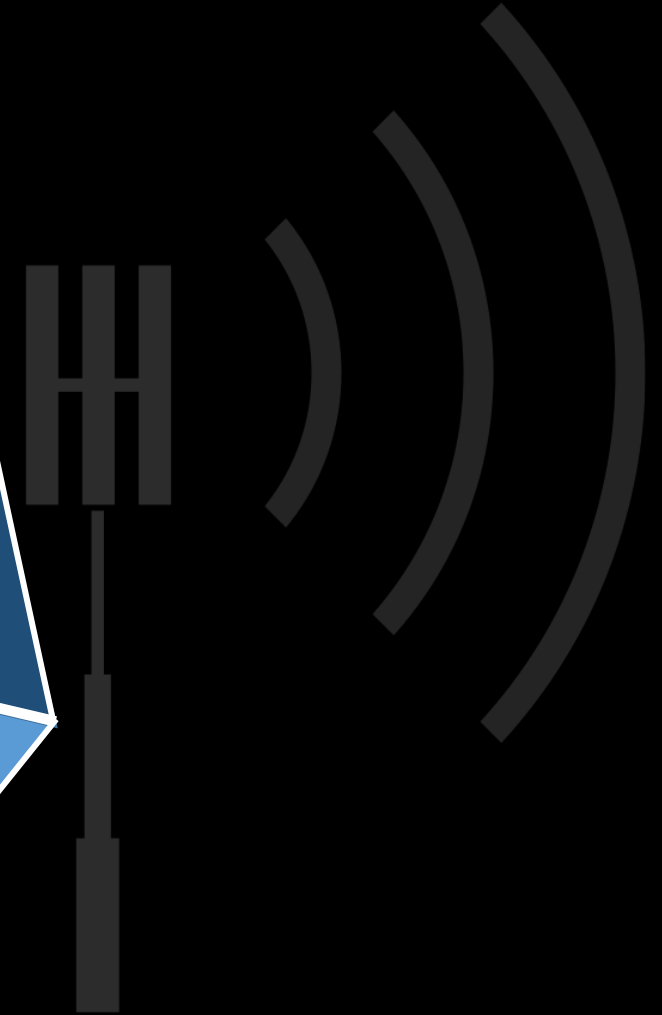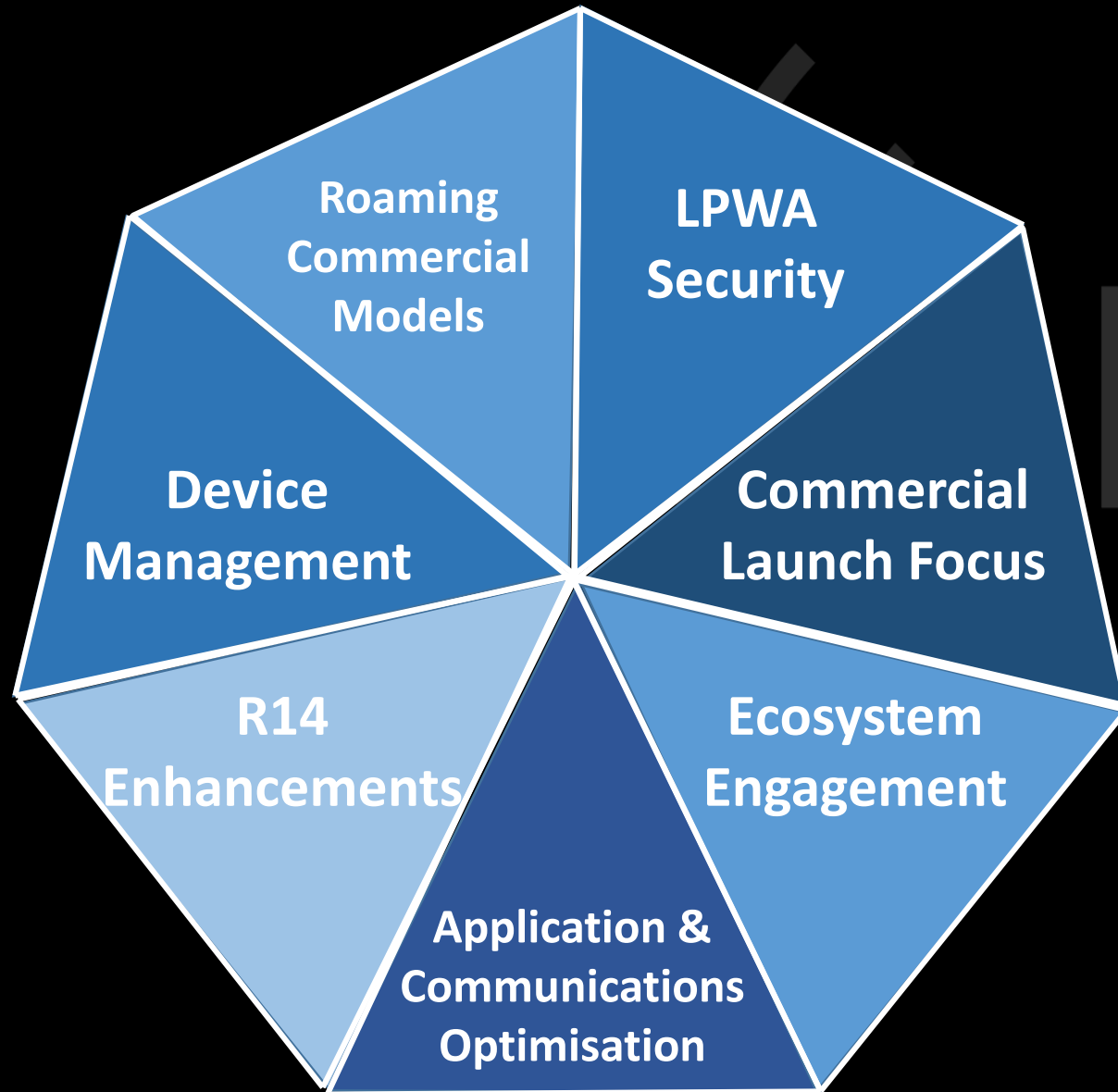- China Telecom (H1 2017)
- M1 Singapore (H1 2017)

JOB DONE?

There's more to do before……

BUSINESS AS USUAL

Proposed Scope and Objectives for NB-IoT Forum 2017

GSMA Mobile IoT

- Roaming Commercial Models
- LPWA Security
- Device Management
- Commercial Launch Focus
- R14 Enhancements
- Ecosystem Engagement
- Application & Communications Optimisation

Thank You