



METIS II

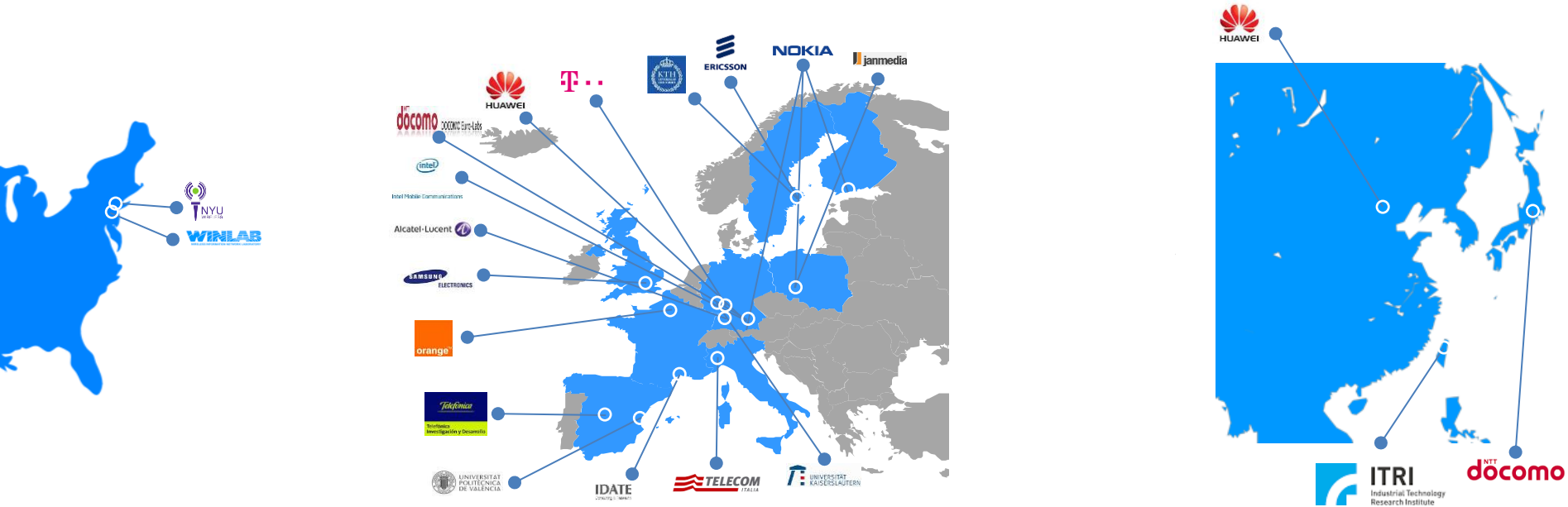
5G use cases from METIS-II project

METIS-II WP1 team

Presented by Salah Elayoubi

A global consortium...

Working on the 5G wireless system design



Main objective: Develop the overall 5G radio access network design
Special focus on pre-standardization



Objectives of METIS-II WP1

- › Refine the **5G scenarios** that have been defined in the **METIS project**:
 - taking into account recent activities by bodies such as **ITU-R or NGMN**,
 - and in **discussion with other 5G-PPP** phase 1 projects.
- › Generate from the refined scenarios a low number of precise **5G use cases**
 - that are suitable for usage in **5G standardization**
 - define corresponding **KPIs and requirements**
- › Perform a qualitative and quantitative **techno-economic feasibility assessment**
 - to determine whether the 5G scenarios and use cases can be feasibly addressed by different 5G RAN design concepts developed in METIS-II.

Numerous 5G use cases from different sources



EU projects

- › 21 use cases from METIS-I
- › 6 use cases from 5GNOW
- › 10 use cases from COMBO
- › 7 use cases from MiWEBA
- › 5 use cases from MAMMOET
- › 9 use cases from MOTO
- › 9 use cases from TROPIC
- › 4 use cases from iJoin

Standardization bodies and fora

- › 25 use cases from NGMN
- › 59 use cases from 3GPP
- › ITU-R also proposes a number of use cases
- › 4G Americas, ARIB, etc.

There is a need for a consolidation of use cases into a small number of representative ones

Next step: 5G PPP use case harmonization



- › We are working with other 5G PPP projects towards the harmonization of use cases:
 - following the 5G PPP workshop on scenarios and use cases organized by METIS-II (Kista, September 28-29).
- › Objective: consolidate the 5G PPP project viewpoints on use cases and performance evaluation models
 - eventually for the purpose of joint 5G-PPP dissemination
- › **Inputs from verticals to this process are needed**
 - on use cases, their scopes, their requirements...



METIS II

Thank You

<http://www.metis2020.com>



ITU-R requirements

