

6G Flagship Ecosystem Launch



**Collaborative Actions
within 6Genesis
-
Some Examples of
How**

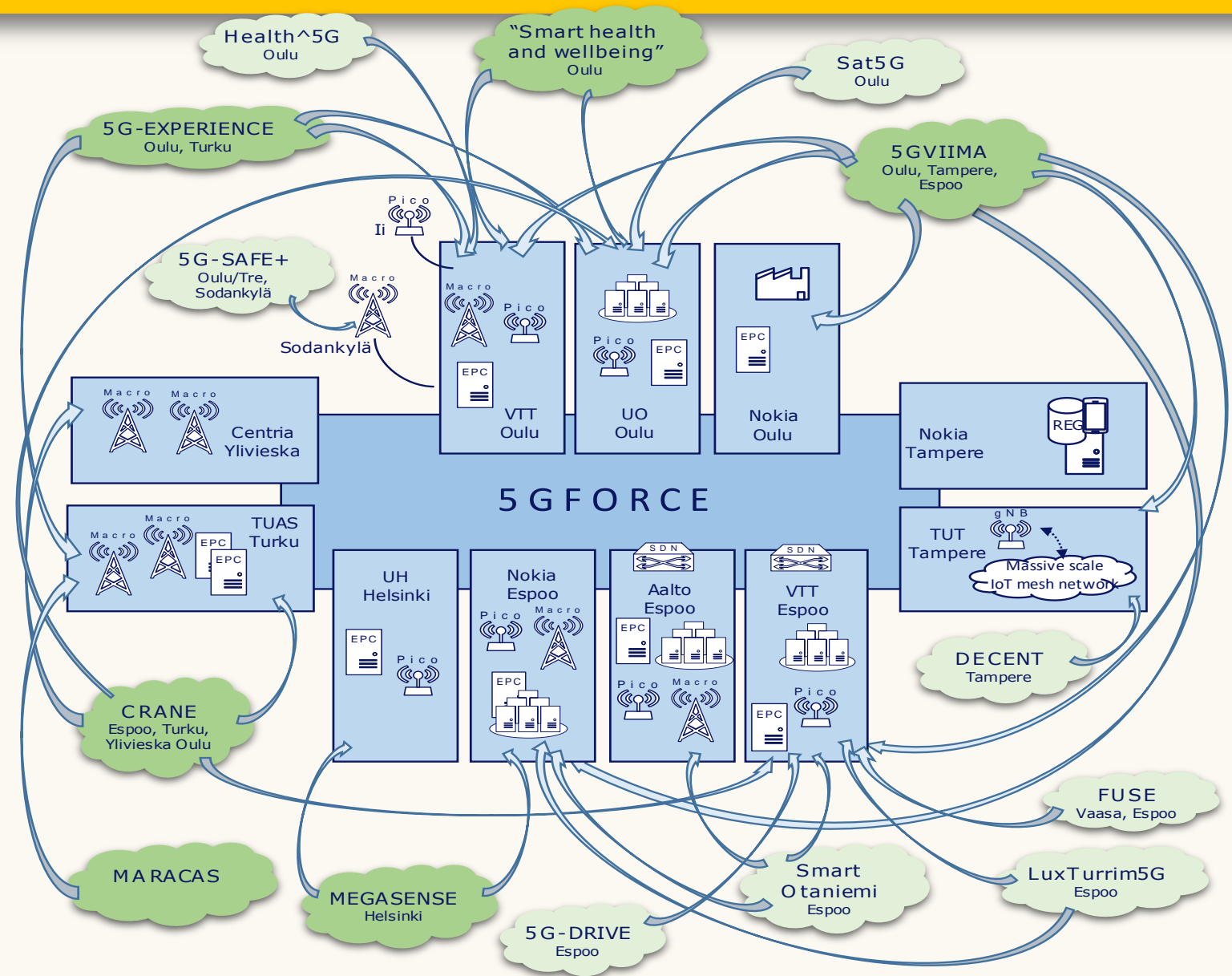
Prof. Ari Pouttu

**Centre for Wireless
Communications**

University of Oulu



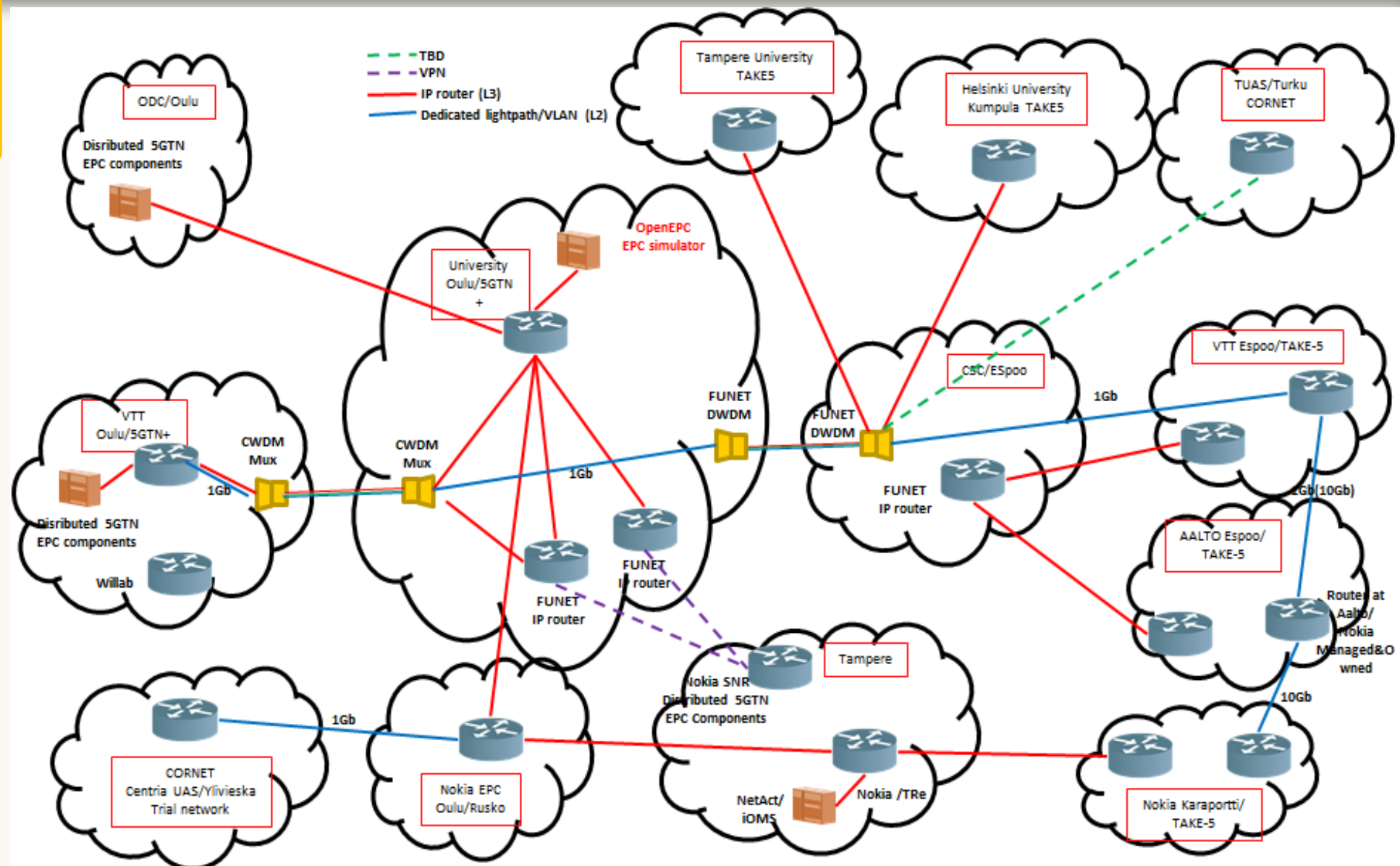
Business Finland – 5th Gear and connected verticals ecosystem



Business Finland - 5G FORCE



5G FORCE PLATFORM



Consortium Details and Budgeting

Academy	K€	
AALTO, VTT, UH, TUT, UOULU, Centria, TUAS	8450	35%
Own project: Nokia, Ericsson, Coriant,, Wirepas, Tieto, Fsecure, Indalgo	15330	
No project (in-kind contributions) : Elisa (infra), MediaTek (UEs)		
	Total	23780

Technology Areas



Academy (2)

K€

VTT, UOulu

1000

33%

Industry (9)

Industry Partners: Posti, Juha Punta, Capricode, Solmu Technologies, Symbio, Haltian, ElfGroup, Verkotan, Kaltiot

1800

Total 2800

USE CASES

Submission Nov 14

**UOULU Coordinator in
5G!Drones**

**UOULU Partner in
Holistic 5G**

5G!Drones – Using Drones with 5G

- Use case 1:** UAV Traffic Management
- Use case 2:** Entertainment and Broadcasting
- Use case 3:** Portable Mobile Networks
- Use case 4:** Saving Lives
- Use case 5:** Situational Awareness
- Use case 6:** IoT in the Sky

UOULU (CWC, BISG), Nokia, Aalto, Robots.Experts

Holistic 5G – Smart Health and Media

- Use case 1:** 5G Enabled AR assisted Operating Theatre
- Use case 2:** Remote Surgical Consultation
- Use case 3:** Remote class room for Medical Students

UOULU, OUH, Realmax



6Genesis Flagship Summary

- Elected Academy Flagship
 - 8 year, 251M€ program
 - Hosted by Univ. of Oulu
 - Science & business ecosystem
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- Work in themes and waves
 - Products: Take 5G to use
 - Science: Enablers for 6G
 - Mutual ROI is prioritized
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Join us at www.6genesis.com