

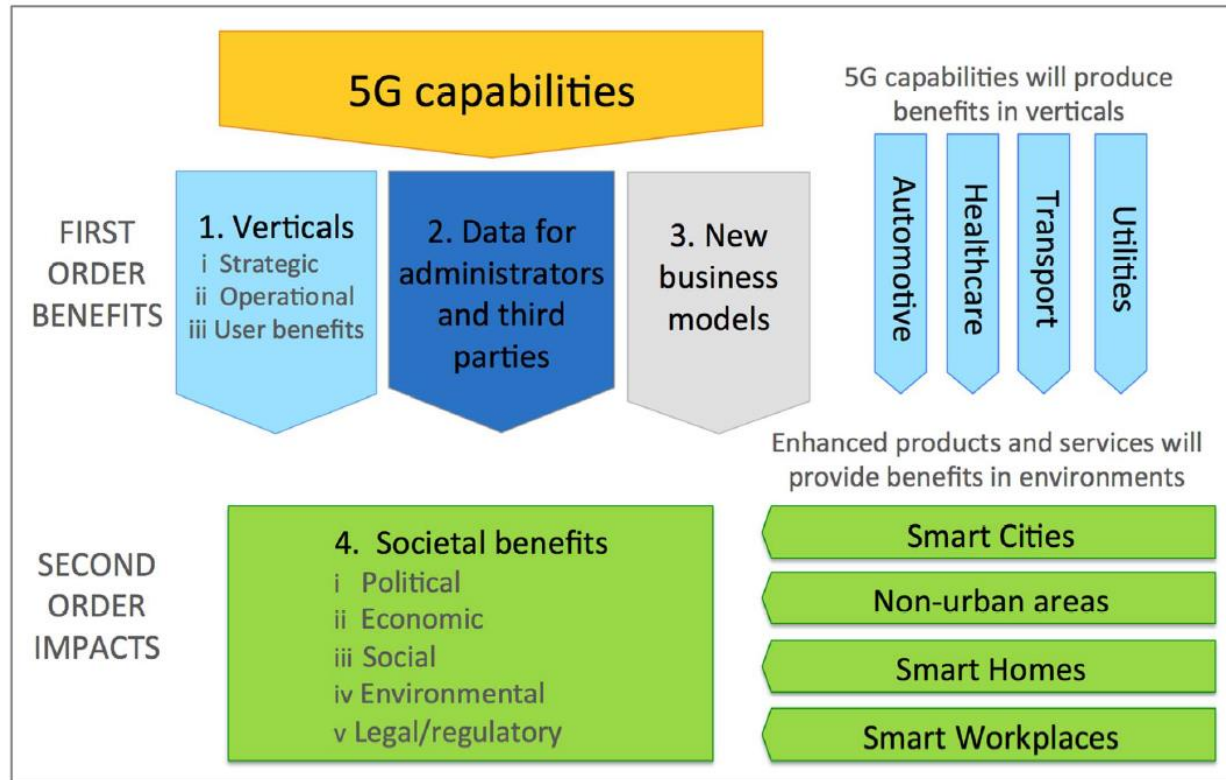
# Verticals & 5GPPP

**Dr. Raffaele de Peppe**

5G IA Board Member, TIM

Vertical Task Force Chairman

# 5G Vertical Economy



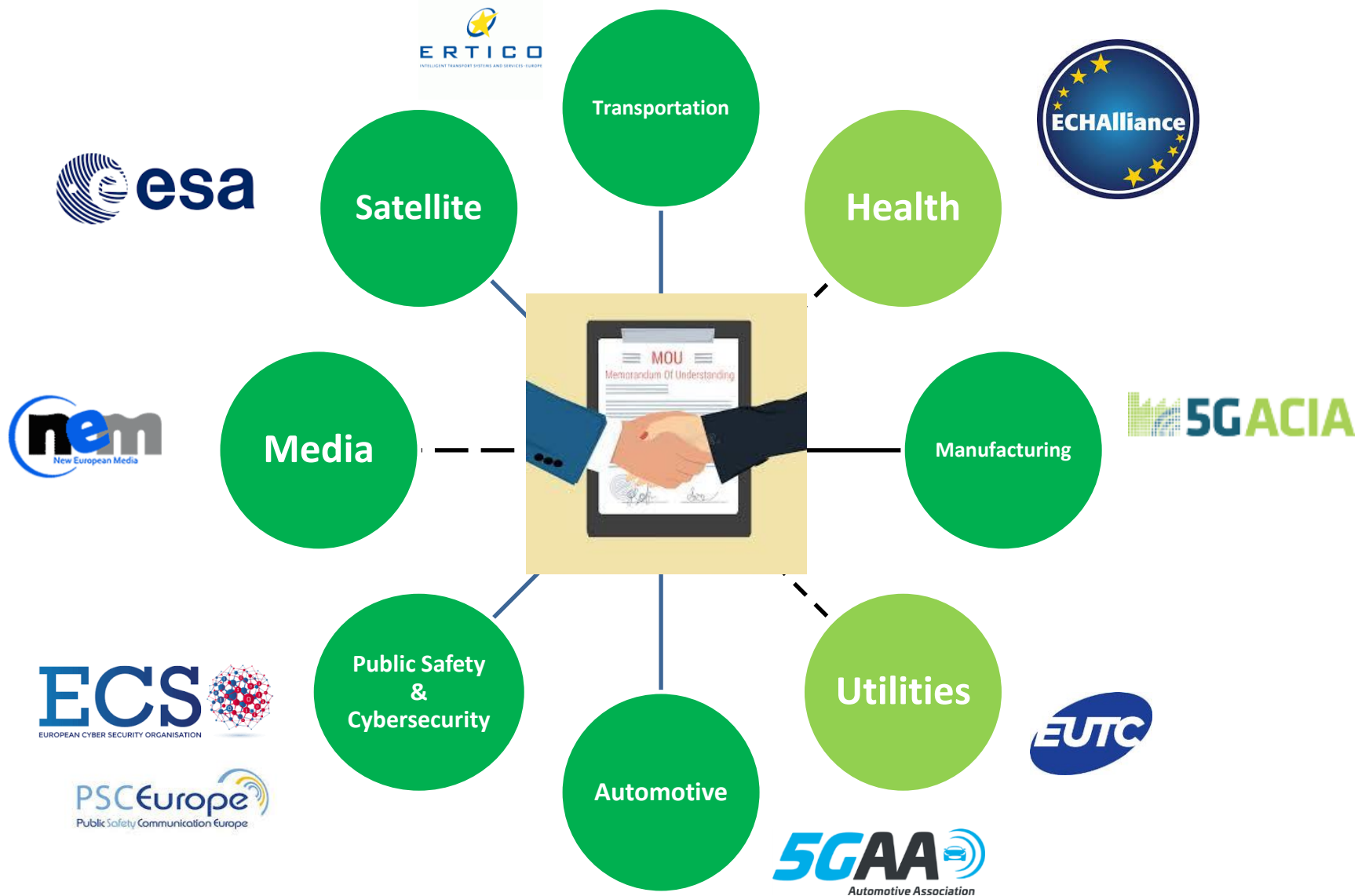
Source: Identification and Quantification of key Socio Economic data to support strategic planning for the introduction of 5G in Europe

Investment in 5G will generate annually **113B€ of economic added value** with **62,5B€** direct impact rising from key European industrial sectors (Automotive, Healthcare, Transportation, Utilities) and **2,3 million** jobs generated





# Vertical Task Force

- ❑ Verticals are key to 5G success and adoption in Europe – **Verticals Engagement** is part of **5G IA Statute**
- ❑ **Verticals Engagement Task Force (VTF)** was set up to provide top down guidance to bottom up activities in key priority sectors under 5G IA Board control - members are part of 5G IA Board and include Media and Automotive WG chairs, 5G IA Executive Director and some MoU partners
- ❑ **VTF activities** include:
  - Attend vertical key industry events;
  - Establish partnerships with key industrial associations through MoUs
  - Provide strategic guidance to vertical related Papers
- ❑ All activities reported in a **Tracker**

# Vertical Partnership Map



# Verticals Projects @ 5GPPP

	 Industry 4.0	 Agriculture & agri-food	 Automotive	 Transport & logistics	 Smart Cities & utilities	 Public Safety	 Smart (air)ports	 Energy	 eHealth & wellness	 Media & entertain.
5G EVE	✓		✓		✓	✓		✓	✓	✓
5GENESIS				✓	✓	✓				✓
5G VINNI	✓			✓		✓		✓		
5GIDRONES				✓		✓				✓
5G HEART		✓	✓	✓					✓	
5GROWTH	✓			✓				✓		
5G SMART	✓									
5G SOLUTIONS	✓				✓		✓	✓		✓
5G TOURS				✓	✓		✓		✓	✓
5G VICTORI	✓			✓				✓		✓

5G INFRASTRUCTURE PPP  
**TRIALS & PILOTS**

September 2019



## Verticals Cartography

[Home](#) » Verticals Cartography

In 2035, when 5G's full economic benefit should be realised across the globe, a broad range of industries – from transportation to entertainment and education, and everything in between – could produce up to 10.7 trillion euros worth of goods and services enabled by 5G mobile technology. Meanwhile, Europe's 5G Public Private Partnership (5G PPP) is developing new applications across a diverse set of verticals spanning proofs of concept, prototypes, demonstrations, trials, and pilots in order to validate the functionalities defined for 5G by the International Telecommunications Union (ITU) – Enhanced Mobile Broadband, Massive Machine Type Communications, and Ultra Reliable Low Latency Communications – so consumers and sector end users can really know what 5G is all about.

### How to use the 5G PPP verticals cartography:

The use-case experiments are taking place in Europe between 2018 and 2020, with more projects coming on board in 2019. You can view the experiments by sector, country, and ITU functionality by clicking on the boxes on the right. New country locations and tests will be added in the future. Meanwhile, enjoy our 5G PPP showcase.

Download our latest files: [5G for Automotive: Experiments in Europe](#)

### Vertical Industries

- ☐ Agriculture and Farming
- ☐ Automotive across borders
- ☐ Automotive
- ☐ Broadcasting & Media
- ☐ Energy
- ☐ Health
- ☐ Industry
- ☐ Public Safety
- ☐ Satellite for Verticals
- ☐ Smart Cities - multiple verticals
- ☐ Smart Cities - indoor spaces
- ☐ Smart Cities
- ☐ Transport & Logistics

**Vertical Cartography** can be navigated online at:  
<https://www.global5g.org/cartography>

# Thank you for your attention

For more information about 5G PPP activities please visit <https://5g-ppp.eu>

The white paper is available at <https://5g-ppp.eu/white-papers/>

For more information about vertical activities please contact:

**[raffaele.depeppe@telecomitalia.it](mailto:raffaele.depeppe@telecomitalia.it)**