



# 6G Research in Europe

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Chairman of the 5G Infrastructure Association

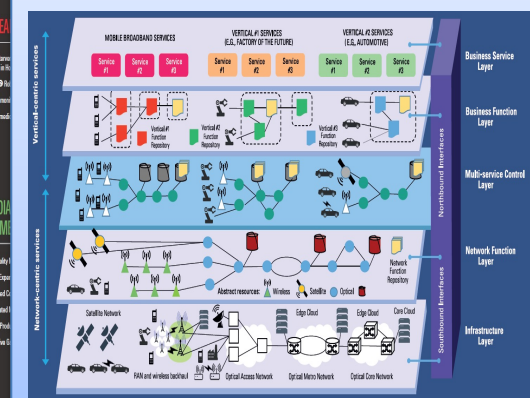
## PHASE 1: 5G Core Research main achievements:

- 5G System design & Evaluation aspects
- 5G Air interface innovations
- Network management & Security innovations
- Virtualization & Service deployment innovations
- 100s of contributions to standardization

## PHASE 2: 5G Vertical Trials



## PHASE 3: 5G Platforms



2015

2016

2017










2018

2019

2020

- 62 R&I projects since the beginning of the Program
- 800+ contributions to standardization activities (Phase II and Phase III)
- Over 1300 scientific publications (Phase II and Phase III)
- Design, evaluated and validated multiple technological breakthroughs

*H2020-ICT-52-2020: 5G-PPP Smart Connectivity beyond 5G*

 <p>6GBRAINS</p>	 <p>AI@EDGE</p>	 <p>DAEMON</p>
 <p>DEDICAT 6G</p>	 <p>Hexa-X</p>	 <p>MARSAL</p>
 <p>REINDEER</p>	 <p>RISE-6G</p>	 <p>TeraFlow</p>

16th March 2021: <https://5g-ppp.eu/event/5g-ppp-webinar-europe-accelerates-towards-6g/>

**The 5G Infrastructure Association (5G IA) publishes the White Paper  
'European Vision for the 6G Network Ecosystem' 7th June, 2021**



executive summary: <https://5g-ppp.eu/wp-content/uploads/2021/06/WhitePaper-6G-Europe-Executive-Summary.pdf>

full paper: <https://5g-ppp.eu/wp-content/uploads/2021/06/WhitePaper-6G-Europe.pdf>



- Communication networks provide the life blood to realize the digital society
- Connectivity has gone from a luxury to a critical human right
- Research, development and deployment of communication networks will be a key future economic differentiator
- 2020 does not mark the end of network infrastructure development We need a Smart Networks Partnership instrument in Horizon Europe to continue European technology leadership

□ The proposal is supported by different communities



- representing significantly more than 1000 organisations from
  - Industry
  - SMEs
  - Research community (R&D centers and universities)

Research & innovation for B5G & 6G networks

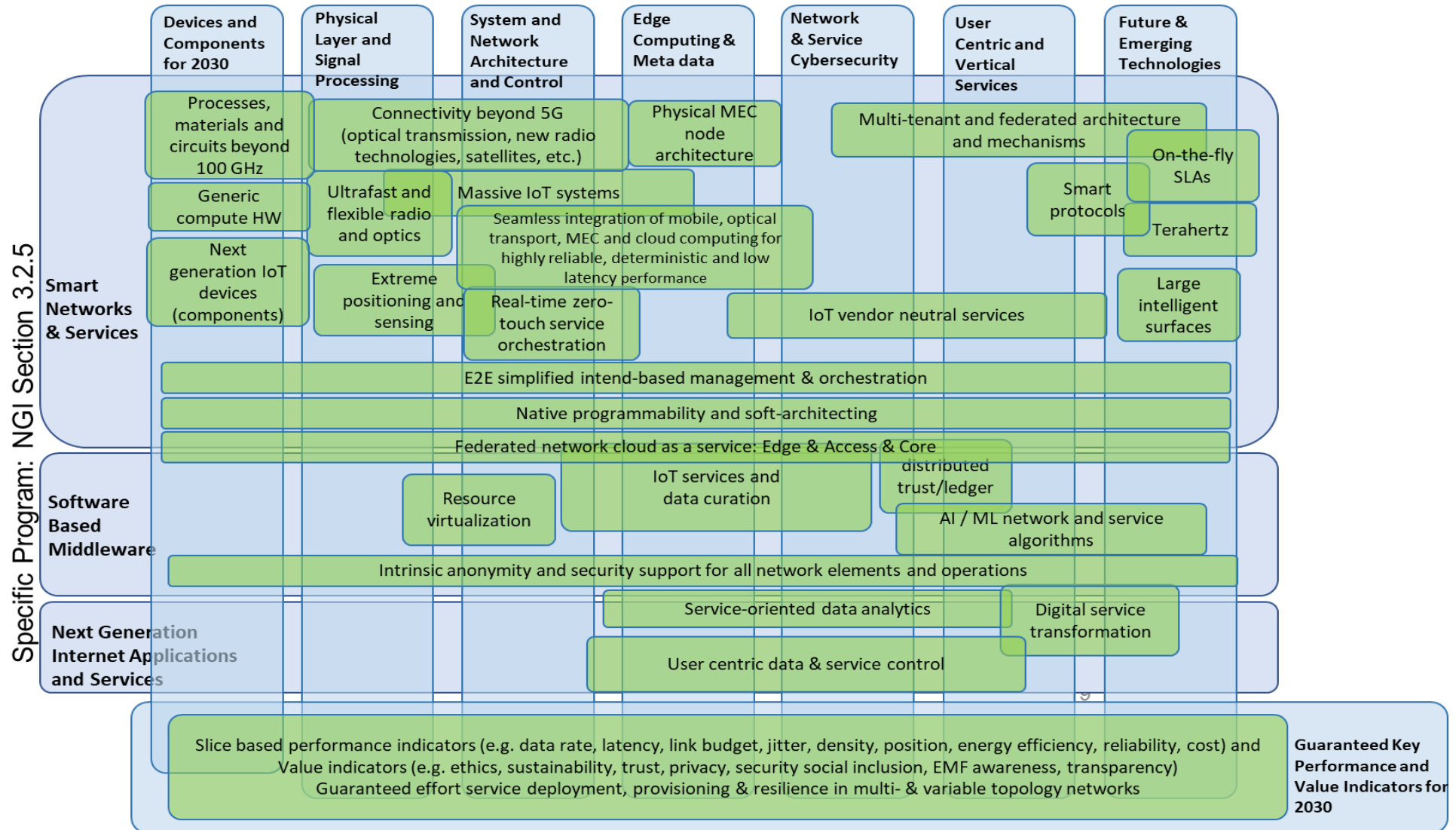
Full digitization of the European society  
(vertical industries and public sector)

Europe's technological sovereignty is further  
strengthened

Safeguard European values  
( security and privacy)

Quality of life for European citizens (+)  
European data economy (+)

# What do we have study and solve?







www.5G-IA.eu

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EUROPEAN INDUSTRY  
for the DEVELOPMENT  
and EVOLUTION of  
**5G**



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