



International Collaboration on 5G Real World Operational Testbed

ENCQOR 5G

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Topics

- Canada's 5G PPP – 5G ENCQOR General Overview
- International Collaboration on 5G Operational Testbed
- Closing thoughts

COLLABORATION

ENCQOR

Evolution of Networked Services through a Corridor in Québec & Ontario for Research and Innovation

5G STRONGER NETWORKS, SMARTER COMMUNITIES.

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STRONGER NETWORKS, SMARTER COMMUNITIES.
MIEUX CONNECTÉ, PLUS PERFORMANT.

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ERICSSON

ciena

THALES

IBM

CGI

Canada



Ontario

Québec

IN PARTNERSHIP WITH / EN PARTENARIAT AVEC



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innovation ENCQOR
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cefrio

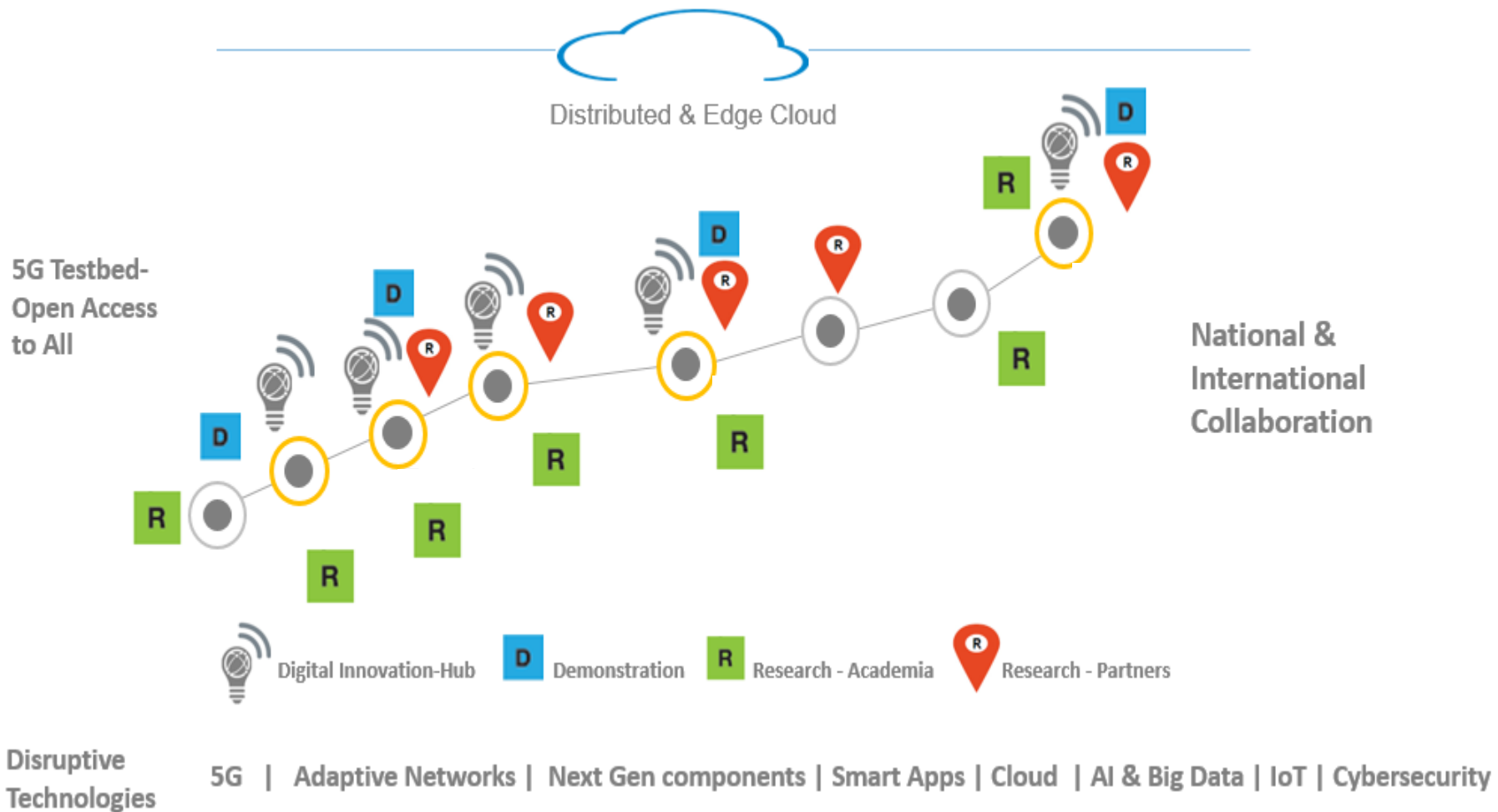
prompt



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Adaptive Network

ERICSSON 

Solutions réseaux sans fils

IBM

Composantes réseaux de prochaine génération

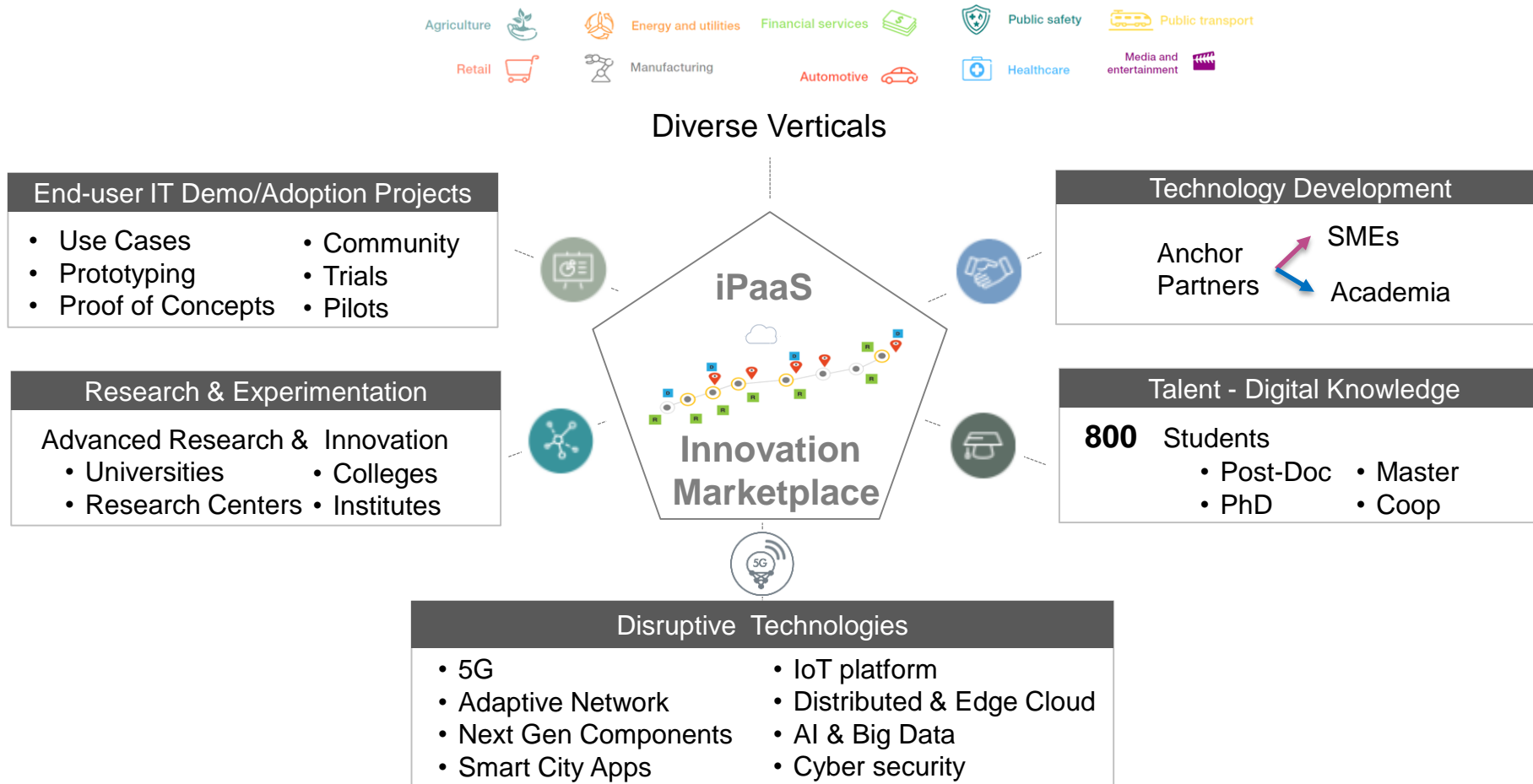
CGI

Services réseaux intelligents

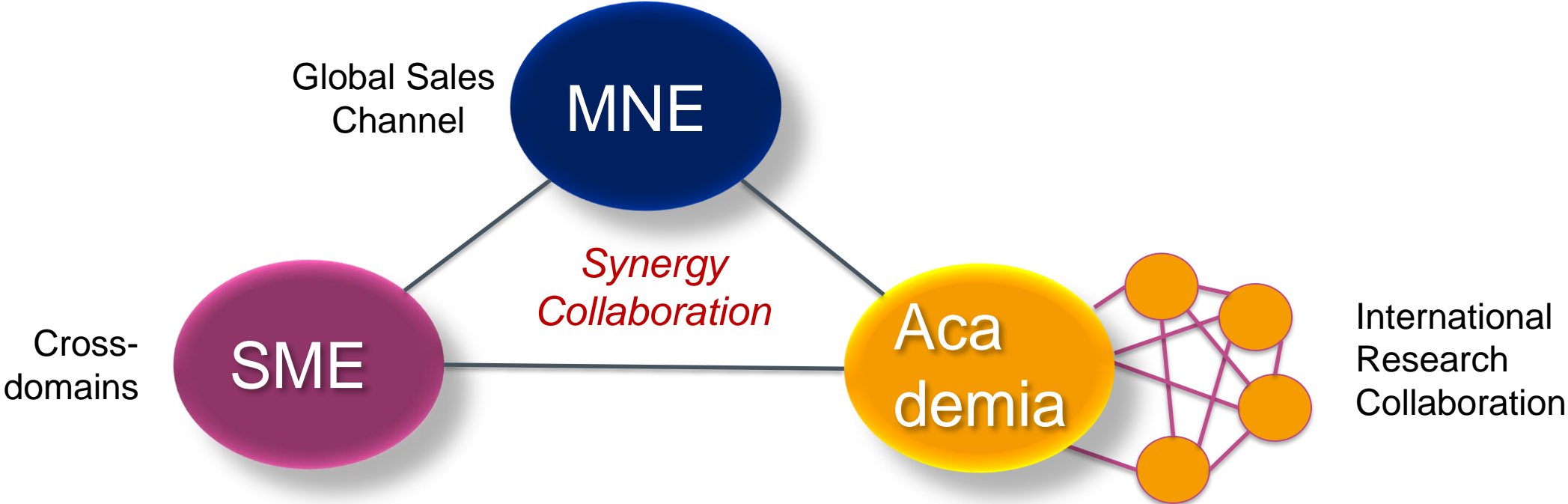
THALES

Villes intelligentes et mobilité intelligente

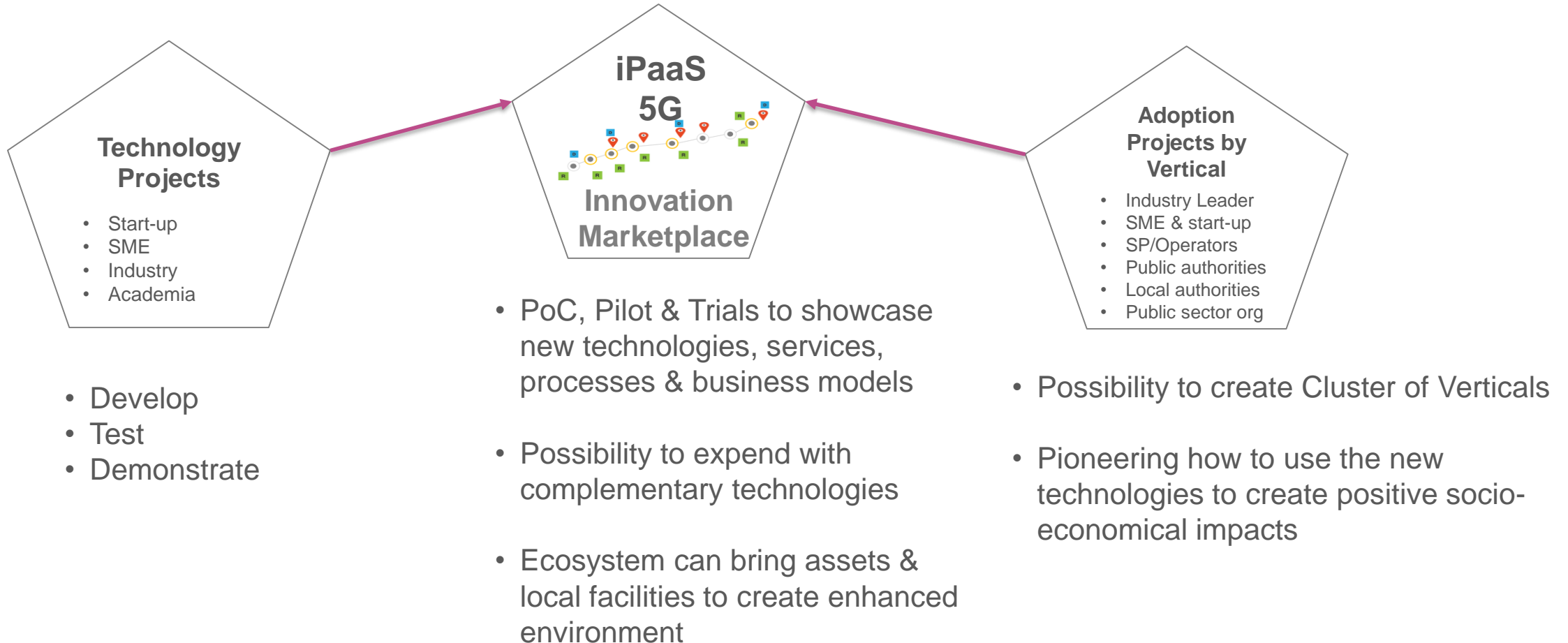
Pillars of Engagement



Collaborative Innovation Model

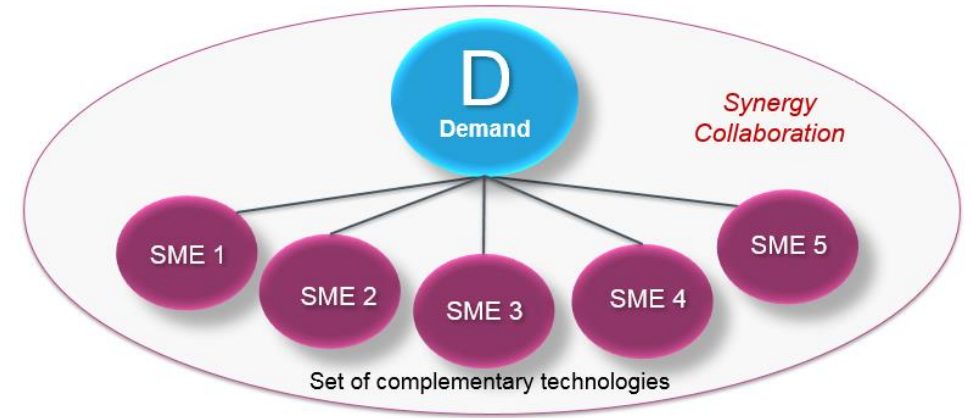


Technology & Adoption Projects



5G Adoption Program

- Support companies and organizations to:
 - Design, prepare and test **Use Cases** with end users
 - Demonstrate usage in terms of products, services or processes related to 5G technologies in various sectors
- Desire to support experiments/piloting with a potential for long-term adoption
- Favor support for large-scale projects including several partners.

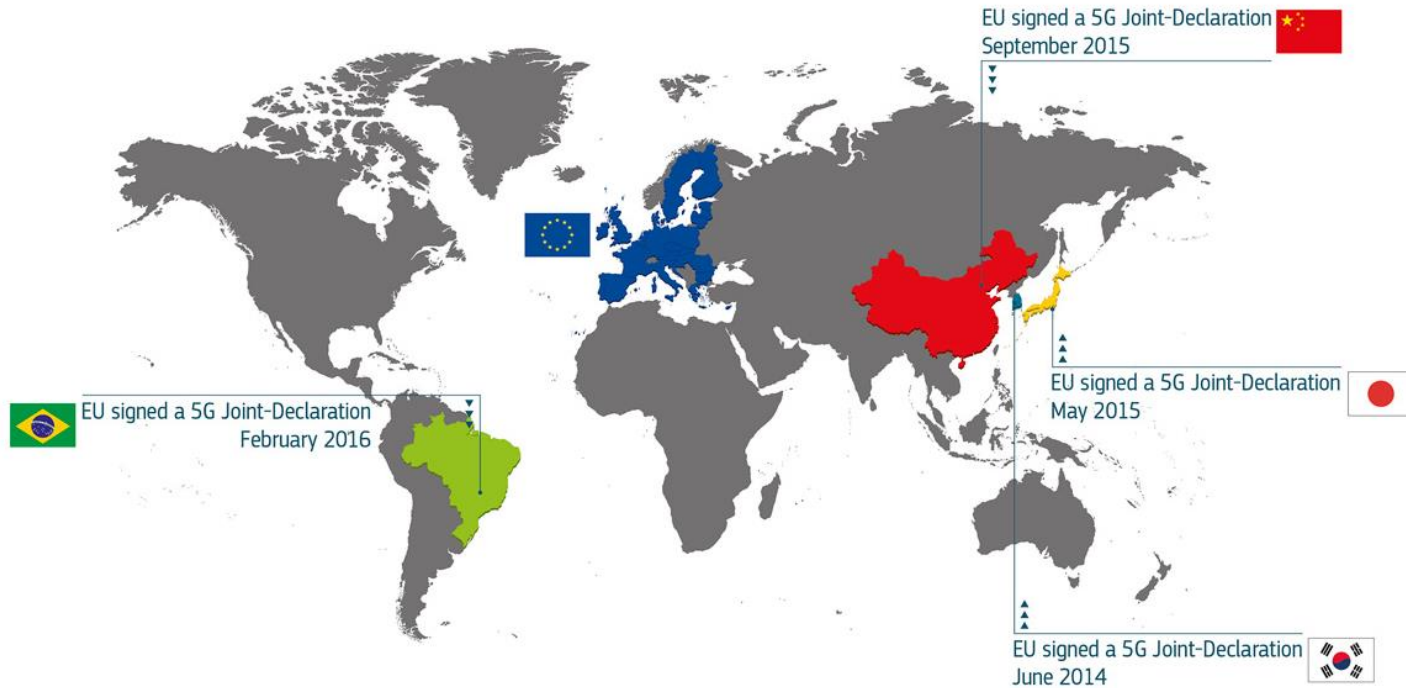


How to use the 5G technologies to improve efficiency & competitiveness

Collaborate together to provide an integrated Value-Added Solution

5G International Cooperation

5G International Cooperation



- **OCT-21-2018:Empower**
 - EU-US Collaboration for advanced wireless platforms
- WP 2018-2020 includes collaboration with Canada as part of one of the 30 flagship initiatives

Strengthening international R&I cooperation

Collaboration with Canada – Build on common objectives:

- As part of the WP 2018-2020's 30 flagship initiatives on topics dedicated to international cooperation in areas of mutual benefit
 - **Canada – personalized medicine**
- We should explore additional initiatives that can align on common areas of interest such as:
 - Autonomous vehicle (road transport automation)
 - Energy

International Collaboration

Potential Areas of Mutual Benefits

- Socio-economic priorities by addressing societal challenges
- 5G testbed - Technical *on-boarding* Process (Automation / reducing overhead)
- Demonstrating emerging solutions, services or processes
- Adoption projects
- Policies
- New Business Models
- Young Talent Development

Young Talent Development



Mitacs Accelerate International

- Mitacs Accelerate International supports bilateral research collaborations between interns, universities, and industry partners, both in Canada and around the world.
- Interns at Canadian universities can undertake projects in any country
- Interns from Mitacs's partner countries can undertake projects in Canada

www.mitacs.ca

Closing Thoughts – Call to Action

- International Collaboration is key to achieve strategic objectives
- How can we help the operators to rapidly deploy the 5G infrastructure for the benefit of society?
 - Best Policies
 - Think out of the Box
- Find effective way to share 5G testbed best practices & lessons learned