

5G AND BIG DATA.  
THE CASE FOR  
INVESTMENT FROM A  
POLICY VIEWPOINT.



# ECONOMIC POLICY CASE FOR INVESTING IN ICT

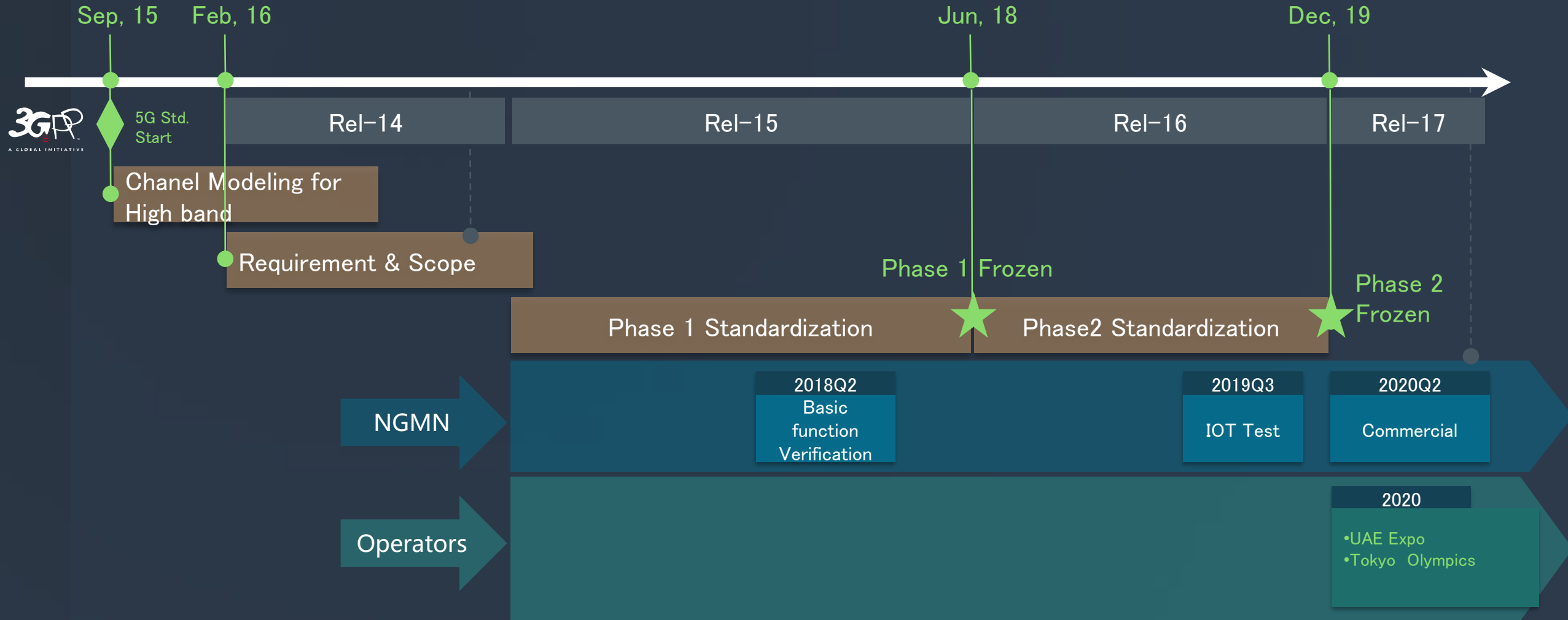
WORLD BANK

IMF

OECD

EUROPEAN UNION

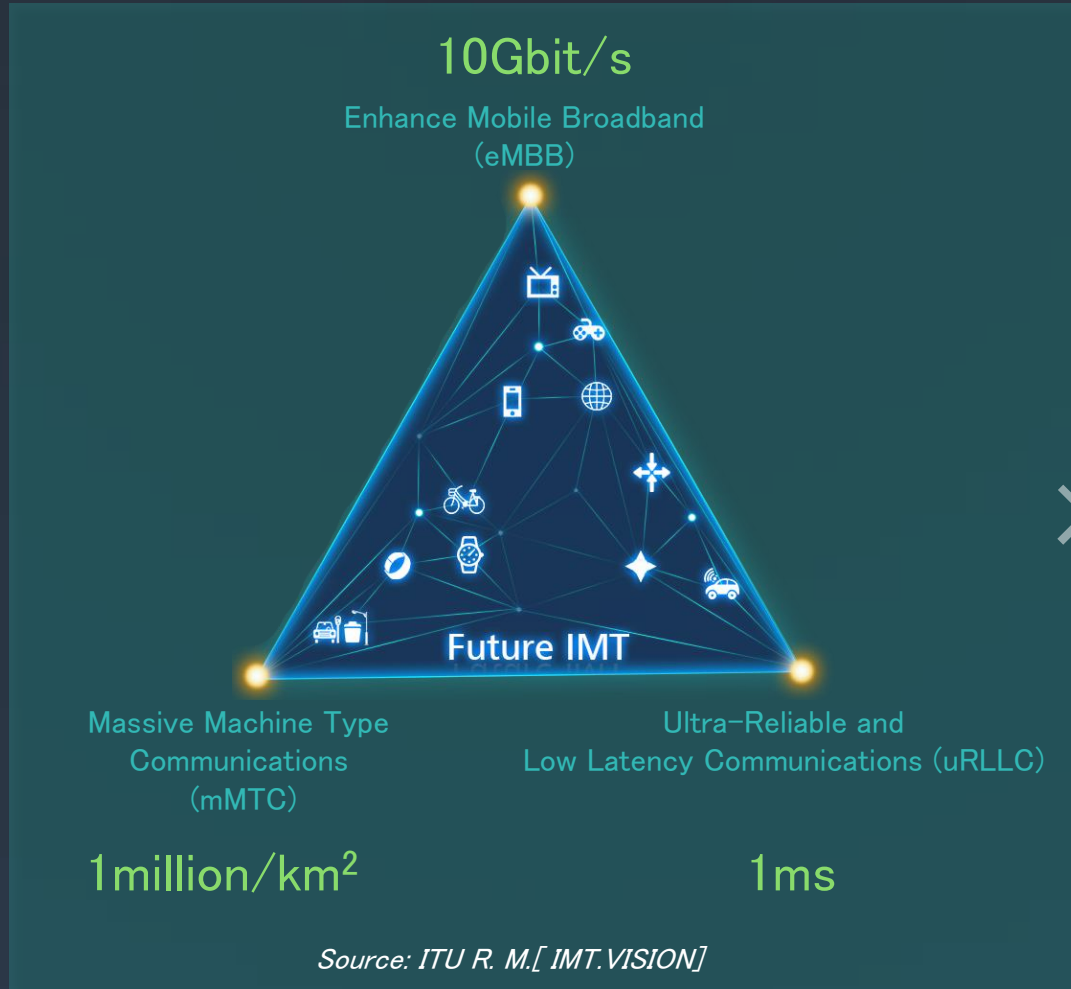
# 3GPP: 5G TIMELINE – SECURING A GLOBAL STANDARD.



# CREATE NEW OPPORTUNITIES FOR THE GLOBAL ECONOMY AND TACKLE SOCIAL PROBLEMS.

## 5G Use Scenarios

eMBB (1000X traffic)



VR

VR: the Next Social Platform  
—Zuckerberg keynotes in MWC2016

AI

- AlphaGo vs. Lee sedol — 4:1
- Cloud access anywhere for AI will require 1Gbit/s experience data rate

uRLLC

Critical Industries Connected

Connect Cars

Smart Factories

Smart Grid

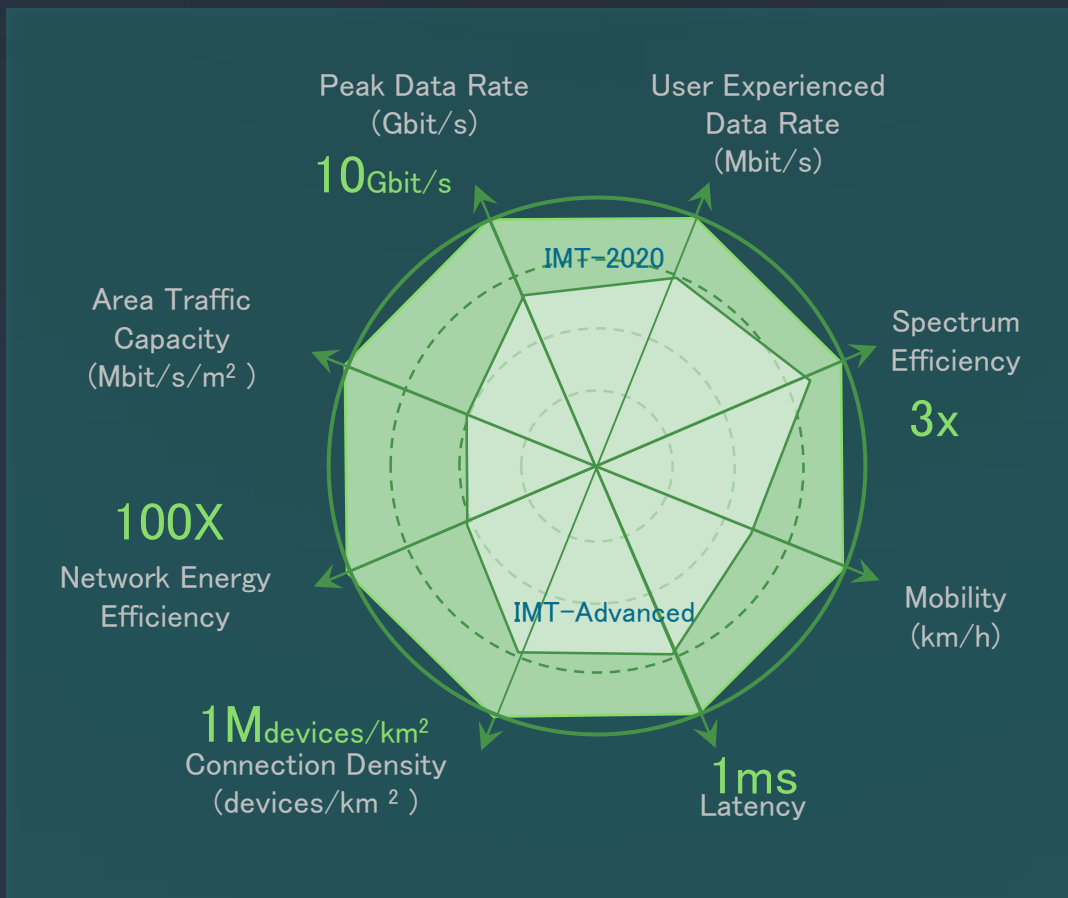
mMTC

Y2025 100 billion

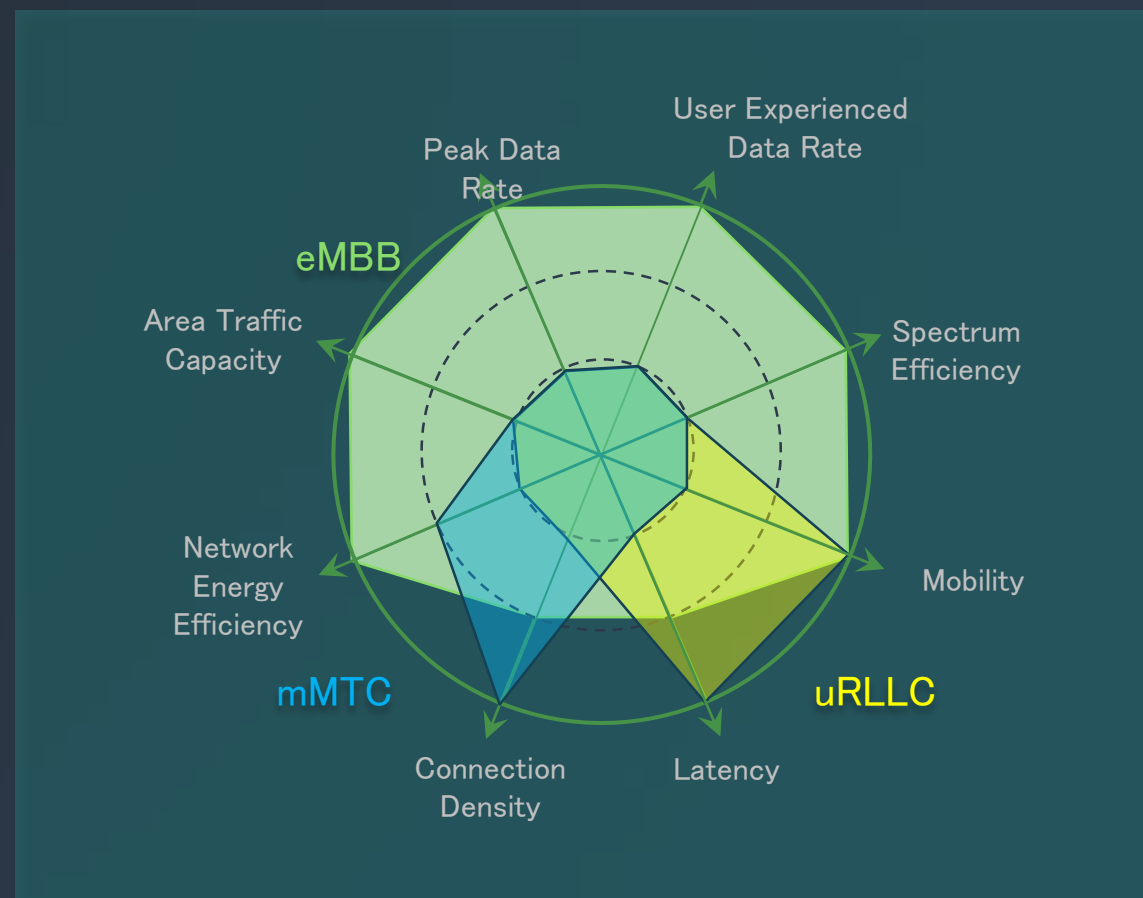
10B People

90B Things

# INVESTMENT IN RESEARCH



# DRIVES INNOVATIVE THINKING



# INVESTMENT IN RESEARCH VITAL FOR 5G.



INTERNATIONAL COLLABORATION  
IS KEY.

ALL ELEMENTS OF ICT ECO-SYSTEM  
MUST BE INVOLVED.



Chengdu, China

NTT  
docomo

中国移动  
China Mobile

T..

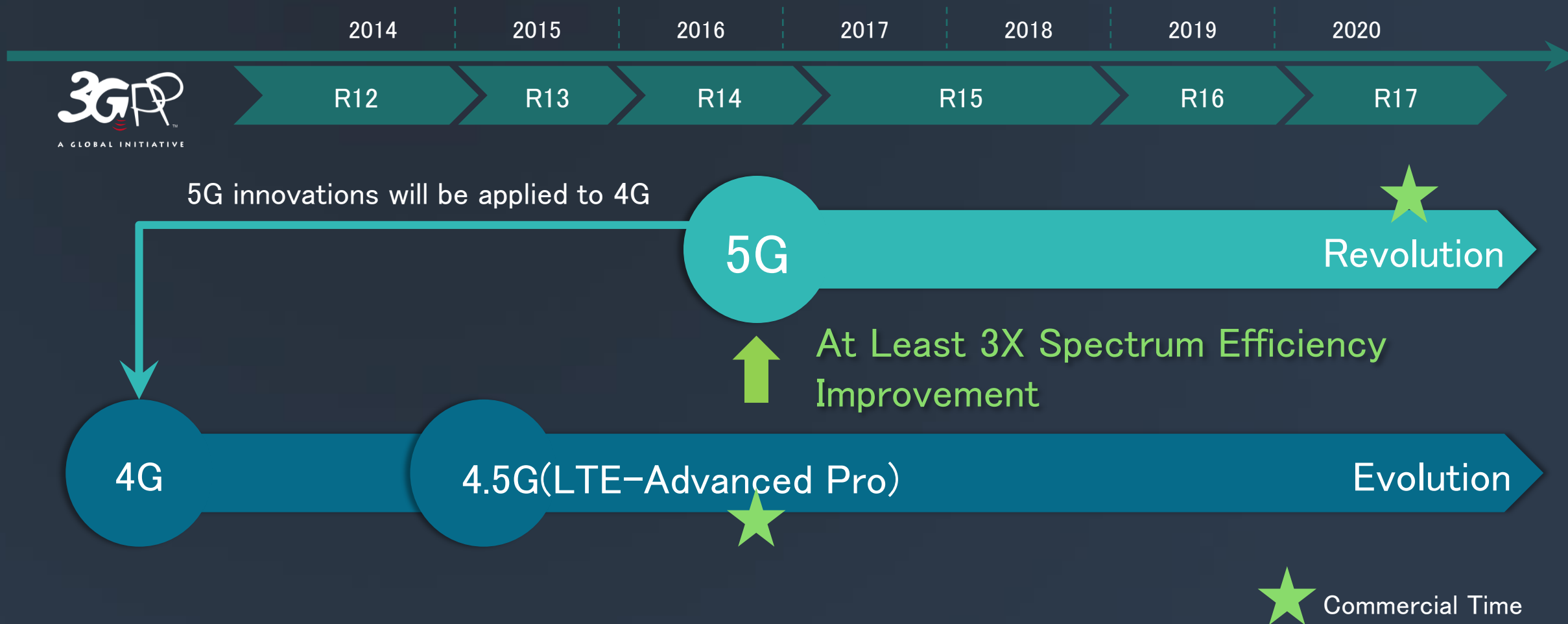


vodafone



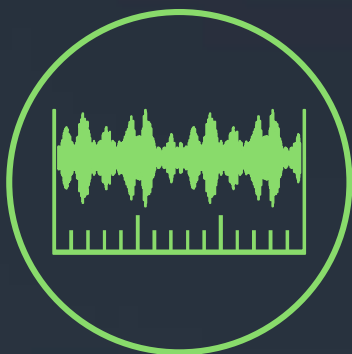
HUAWEI

# 5G NEEDS REVOLUTIONARY INNOVATION. SPECTRUM EFFICIENCY IS KEY.



# 5G + BIG DATA – THE LINK

## GROWTH IN BIG DATA



- BIG DATA USE.  
ECONOMIC  
INSTRUMENT.

## NEW PRODUCTS



- HD VIDEO 8K.
- NB-IOT.  
CROSS SECTORAL  
IN REACH

## NEW POLICY CHALLENGES

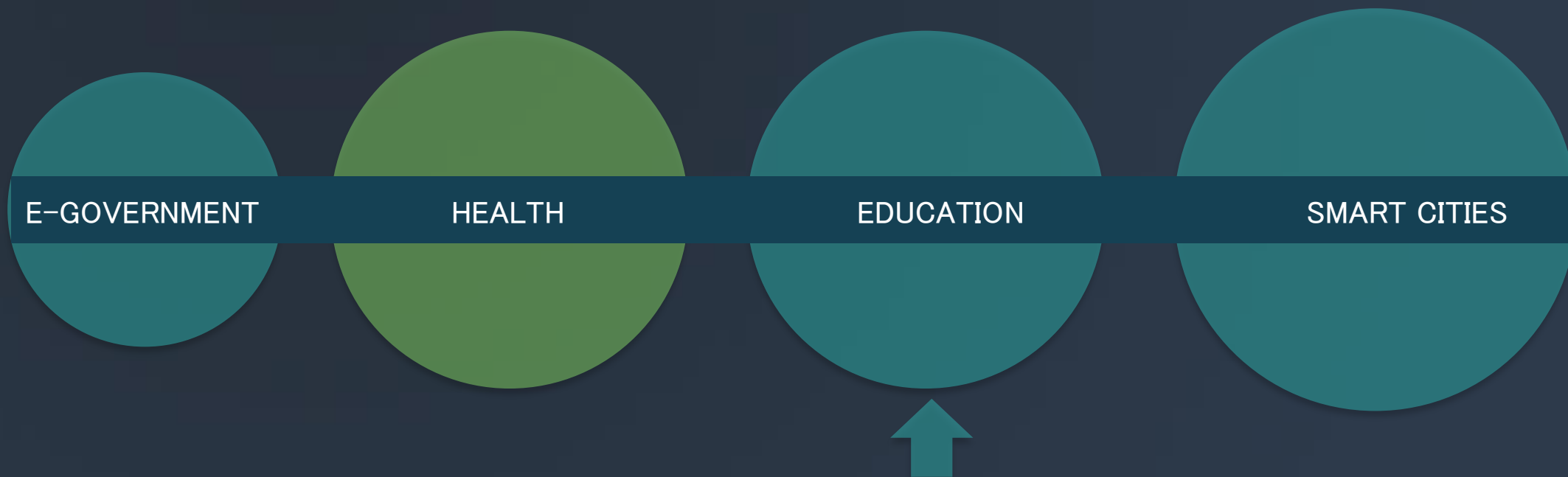


- REGULATION OF DRONES.
- DRIVERLESS CARS.

**BIG DATA – USING NEW TECHNOLOGIES SMARTER**



# NEW POLICY OPPORTUNITIES FOR AFRICA FROM THE USE OF BIG DATA





BRINGING 5G INTO REALITY



<http://www.huawei.com/5g/>



huaweicorp