# Strategic Visions on Future IoT Evolution – Towards a New IoT Paradigm for Business and Society

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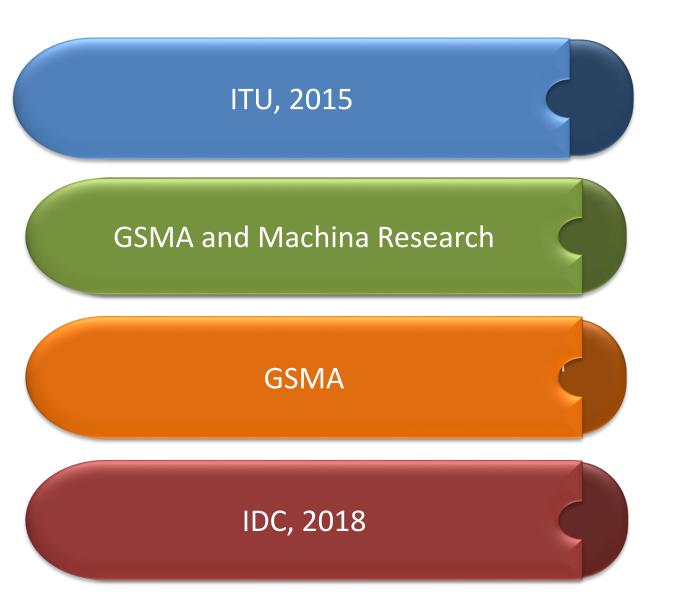
# 2 4<sup>th</sup> Industrial Revolution and IoT



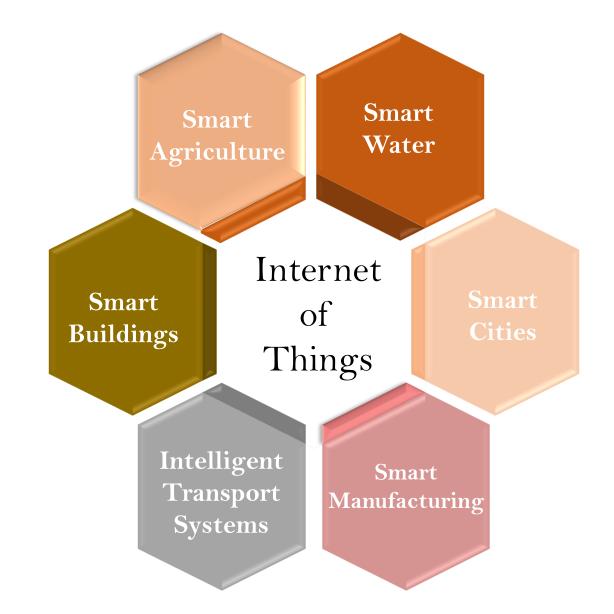


IoT and Sustainable Development Goals

## **IoT Market Projections**

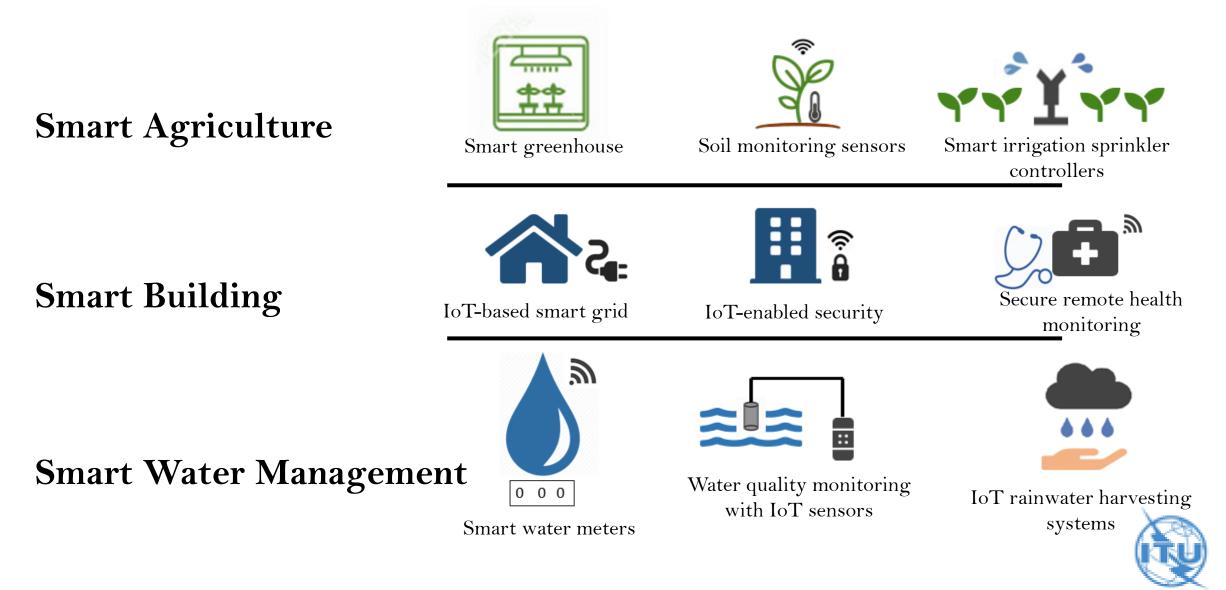


# **Creating value with IoT: A few applications**



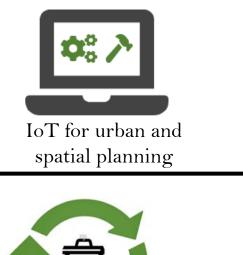


# **Creating value with IoT: A few applications**



# **Creating value with IoT: A few applications**

**Smart Cities** 

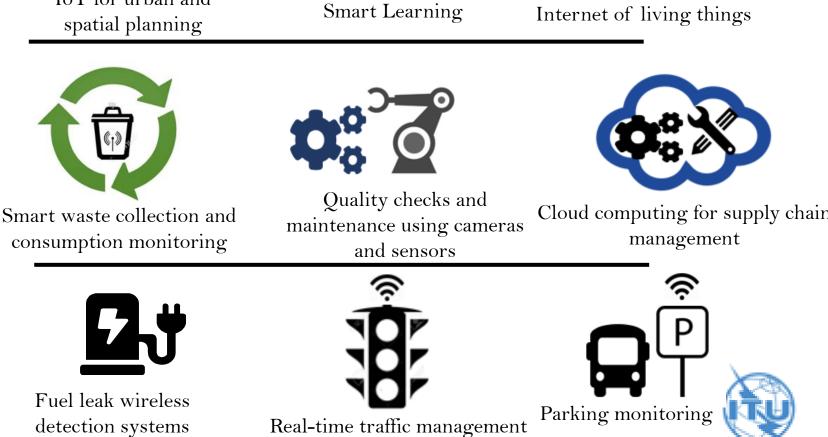




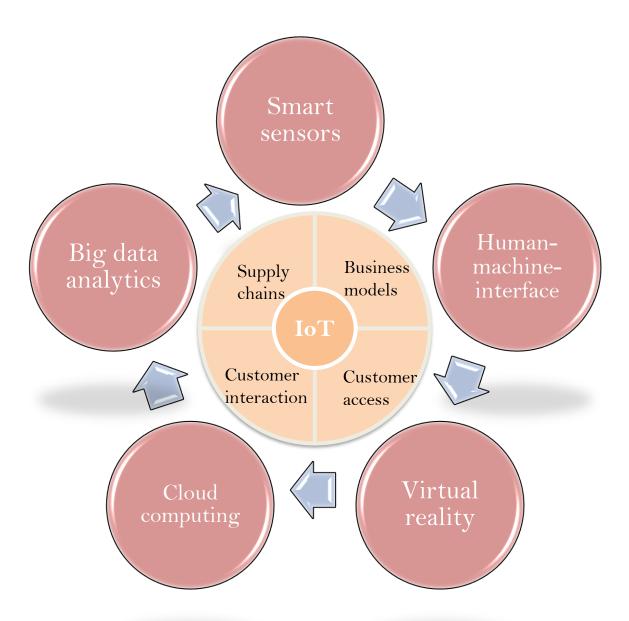


#### **Smart Manufacturing**

**Intelligent Transport Systems** 



# **4th Industrial Revolution using IoT**



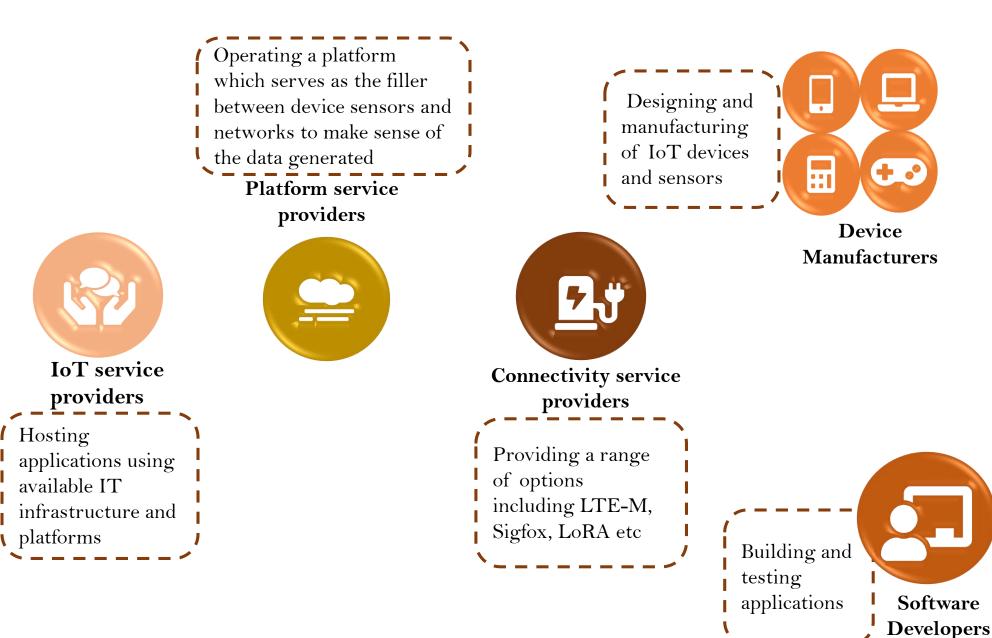


Adapted from World Economic Forum 2017

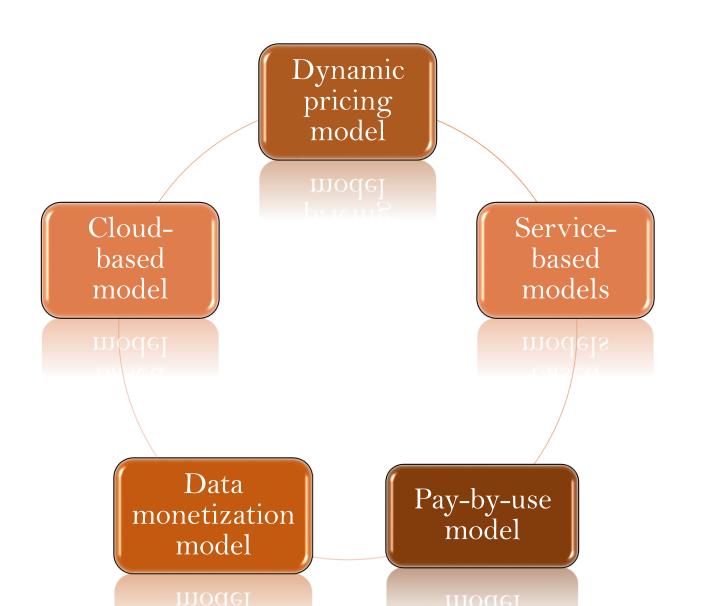
### **IoT Service Ecosystem: Main Players**

Provided with information, applications etc. on demand

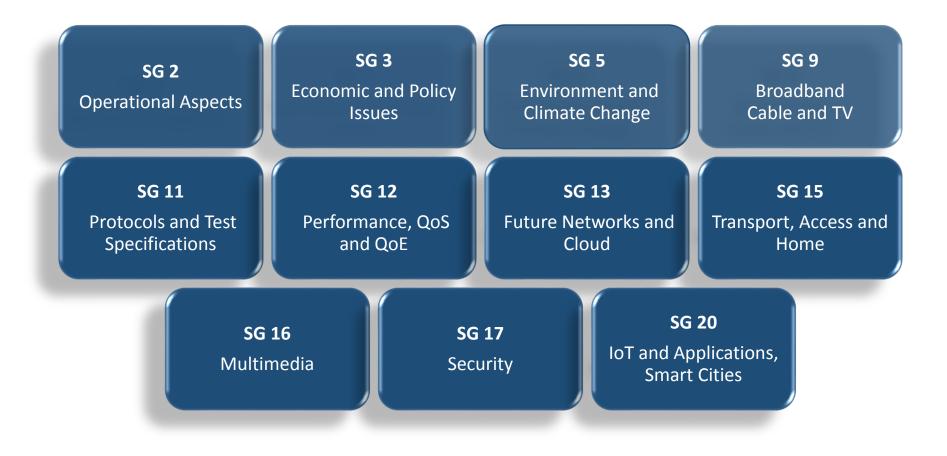




# **IoT Value creation: Sneak peek**



# **ITU-T Study Groups**



# **Focus Groups**

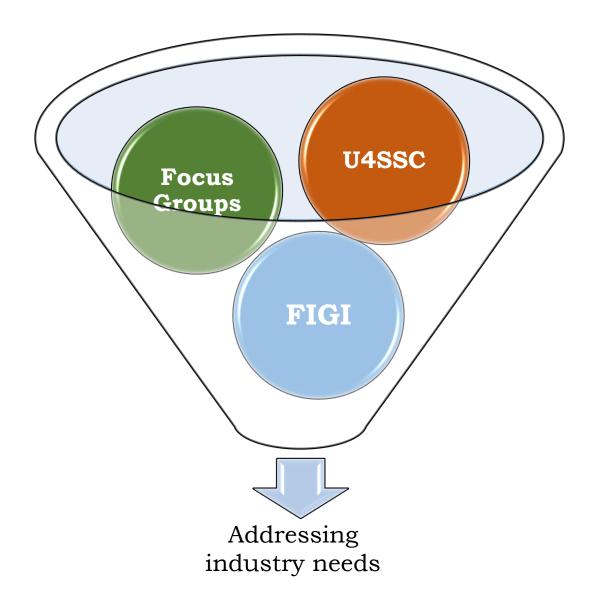
Focus Group on Artificial Intelligence for Health Focus Group on Vehicular Multimedia

Focus Group on Data Processing and Management Focus Group on Technologies for Network 2030

Focus Group on Application of Digital Ledger Technologies Focus Group on Machine learning for future networks including 5G

Focus Group on Digital Currency including digital fiat currency Focus Group on Environmental Efficiency for AI and other emerging technologies

# **New and Emerging Technologies**



- Focus Groups serve as an instrument for the quick development of specifications in defined domains of interest
- Focus Groups aim at providing an alternate working environment for the creation of standards

# **ITU-T Study Group 20**

**Q1/20** Interoperability, infrastructures and Big Data for IoT and SC&C

**Q2/20** Requirements and use-cases across verticals

Q3/20 Architecture and Quality of Service

Q4/20 E-services and applications

**Q5/20** Emerging technologies and terminology

Q6/20 Security, privacy and identification

Q7/20 Evaluation and assessment of SC&C

Lead Study Group on

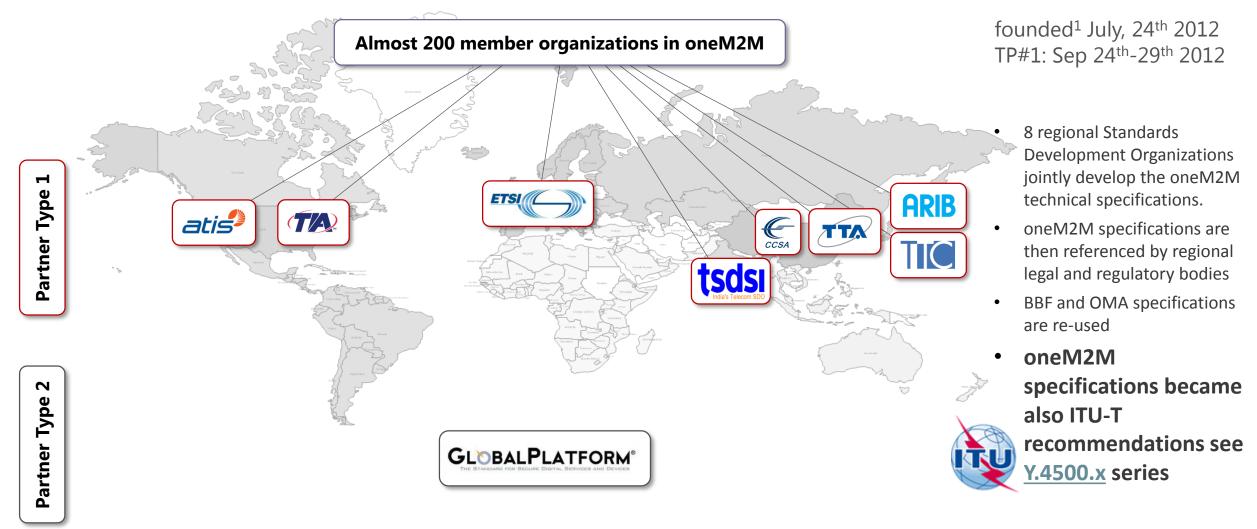
Internet of Things and its applications

**Smart cities and communities** 

#### **IoT Identification**

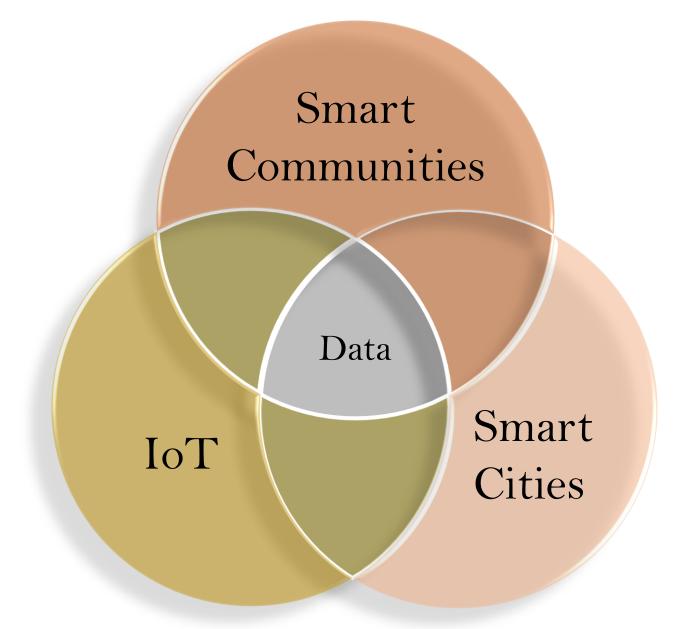
# oneM2M Partnership Project





[1] Partnership Agreement V 2.0 (Approved March 2013)

## **Focus Group on Data Processing and Management**



# Role of international instruments in the implementation of IoT





THE NEW URBAN AGENDA

# Role of international instruments in the implementation of IoT





# **Glimpse into our urban future through SDG 11**



World Summit on Information Society



United for Smart Sustainable Cities





#### Al for Good Global Summit

An **ITU** experience

## SDG 17: The glue that holds us together!





Budapest 9-12 September



## Thank you

### **Questions?**



#### Please contact Study Group Department for more information

#### tsbsgd@itu.int

