



ITU Regional Forum on Emerging Technologies Tunis - Tunisia, 23-24 April 2019

Key notes on Emerging Technologies

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Arab Regional Office, ITU


ITU at a glance

ITU = International Telecommunication Union

United Nations Specialized Agency for Telecommunications/Information and Communication Technologies (ICTs)

193
MEMBER
STATES

700
SECTOR
MEMBERS 

135
ACADEMIA
MEMBERS 

3
SECTORS

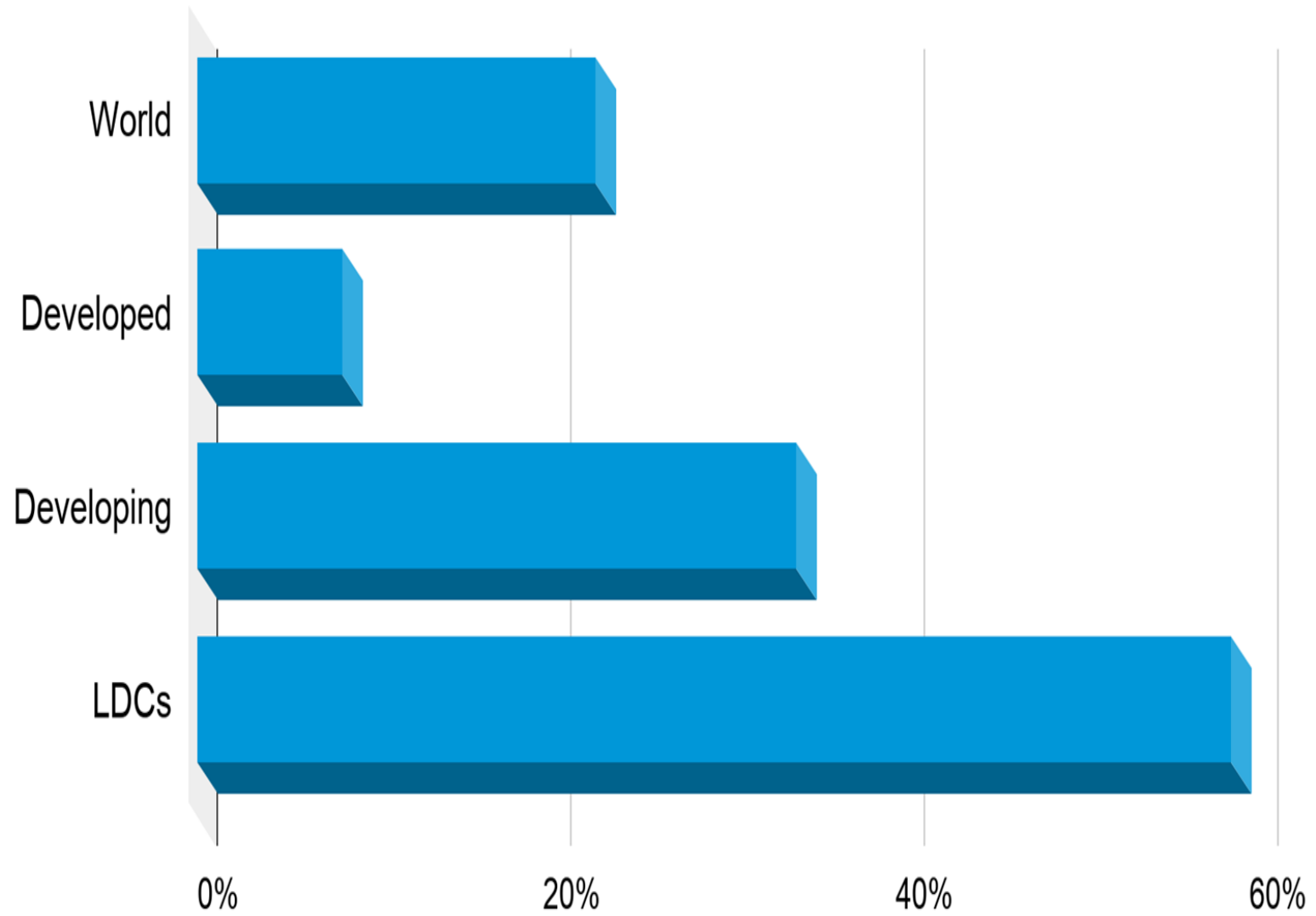


Each sector has
separate mandate,
but all work
cohesively towards
connecting the
world



One of the most far-reaching technologies in history

Growth of mobile-broadband subscriptions, CAGR, 2012-2017



Source: ITU Facts and Figures 2017 (estimates)

85% of the world's population is covered by at least 3G services, but less than 50% of people are connected

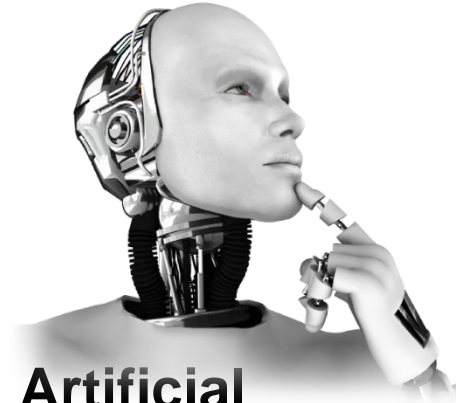


ICTs and Society

Mobile Applications



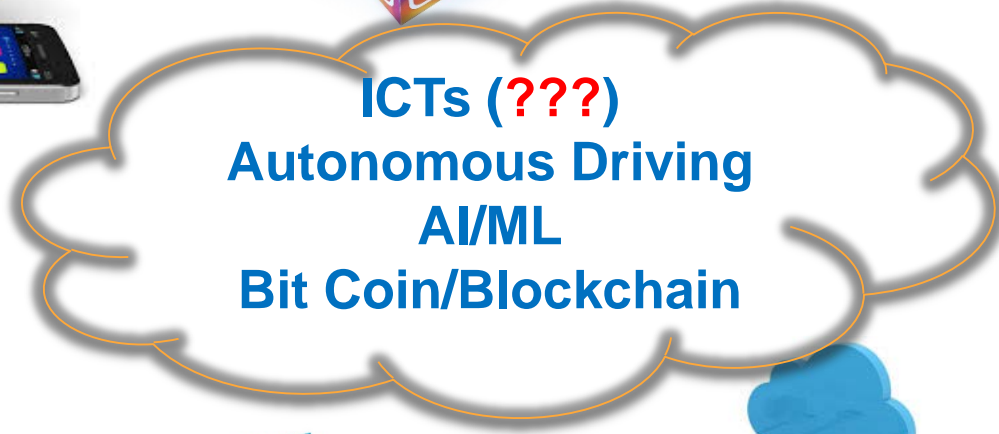
Community & Social Media



**Artificial intelligence
Machine Learning**



**Internet of Things (IoT)
Web of Objects (WoO)**



**Blockchain
Digital Finance**

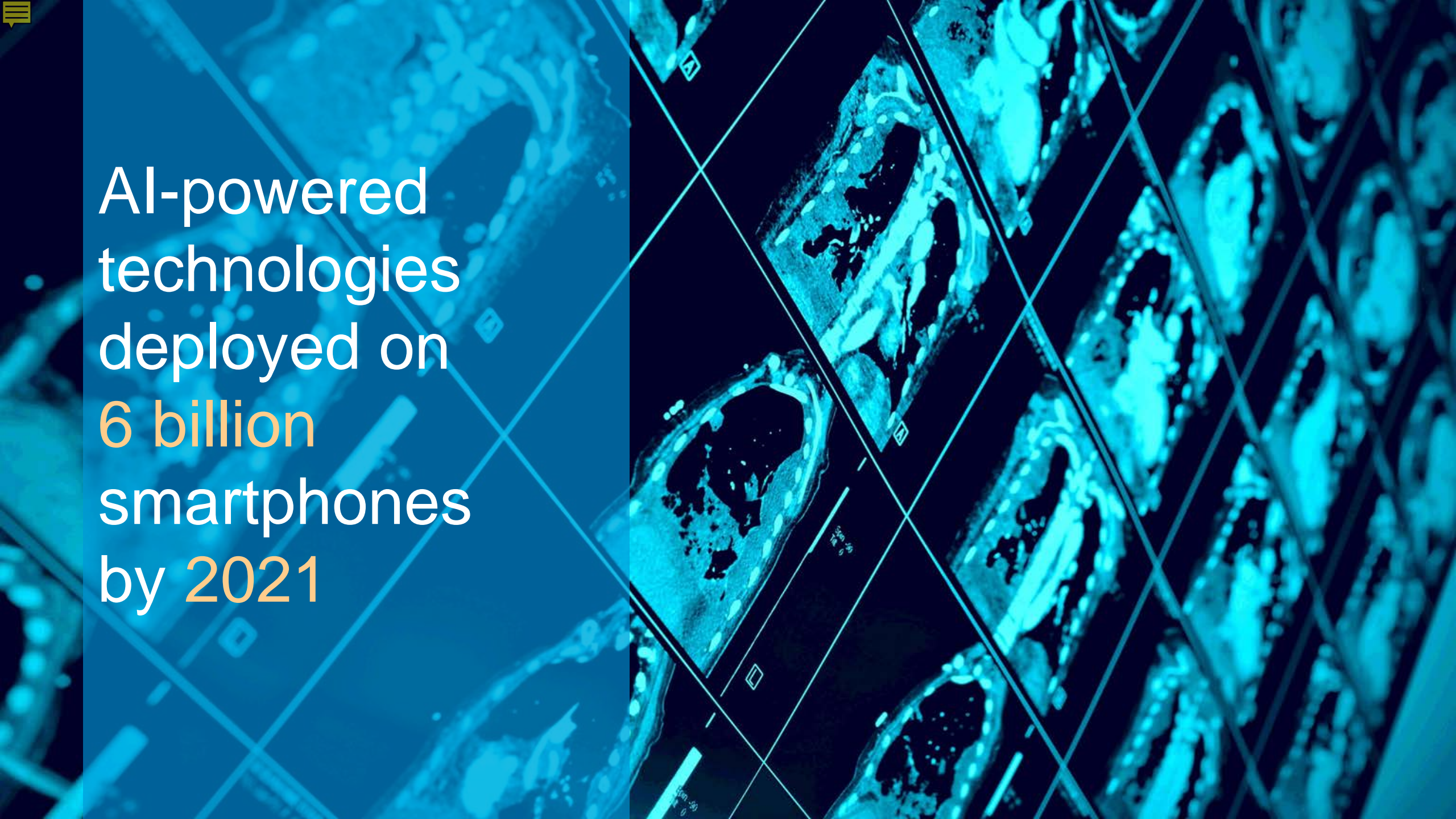


**Cloud,
Edge
computing**



**Data & Big data
analytics**

BIG DATA

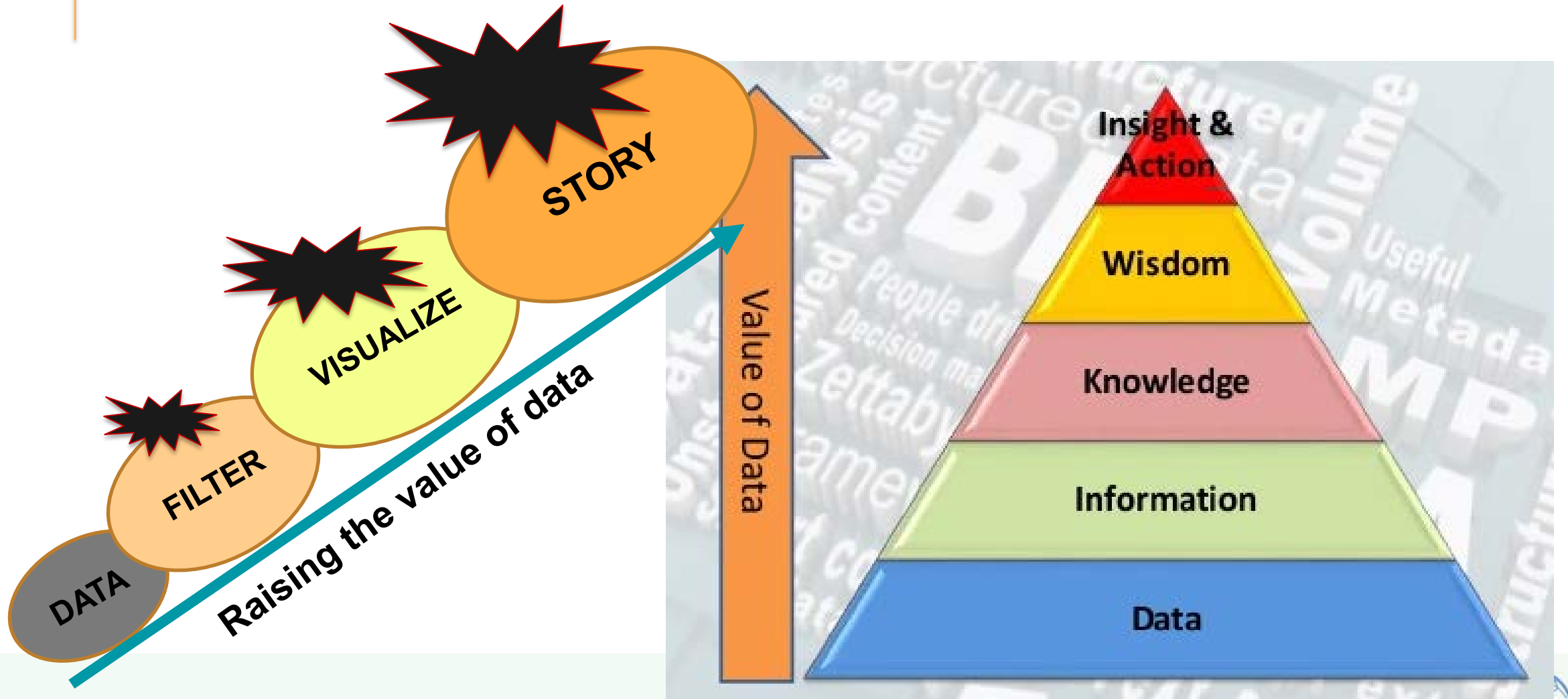
The background of the slide features a medical scan, likely a CT scan of a human torso, showing internal organs and structures. The scan is overlaid with a white grid pattern. The text is positioned on the left side of the image, set against a dark blue background.


AI-powered
technologies
deployed on
6 billion
smartphones
by **2021**

2017 produced
more data than
the entire history
of humanity

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  data.$image.outerWidth;  
  data.$image.width;  
  data.$image.height;  
}
```

Value of DATA

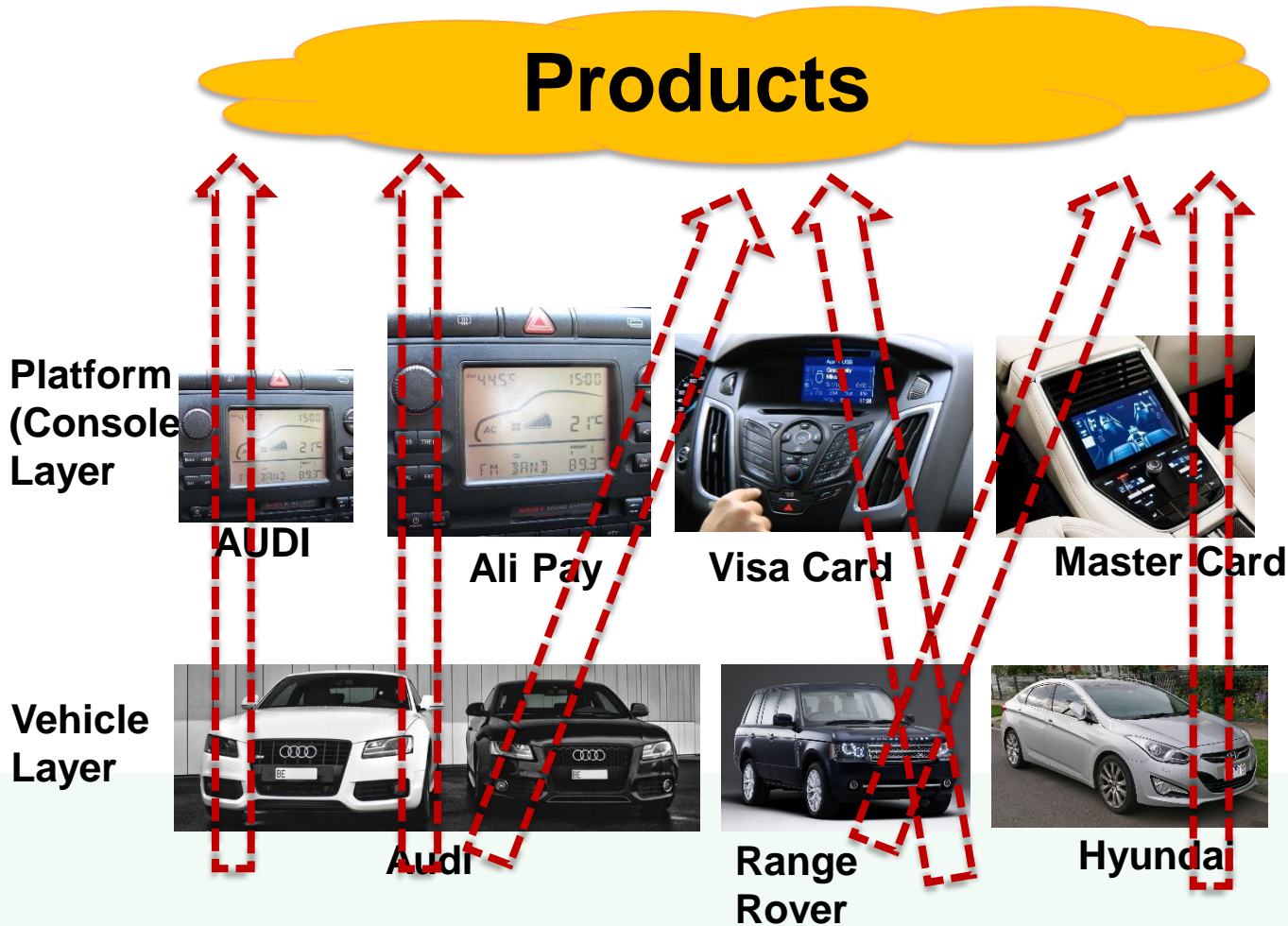




IoT technologies
expected to
connect **50 billion**
devices to the
network by end
2020

ICTs for Innovations in Business

Connected Car via VISA / Master card / Ali Pay




According to Gartner, some 250 million connected cars worldwide will be on the road by end 2020.

Powered by a secure platform for mobile transactions, in-car payments will soon be within a driver's reach.

Drivers will be able to view and complete their purchases to smart parking meters and fuel pumps directly from the Vehicle consoles.



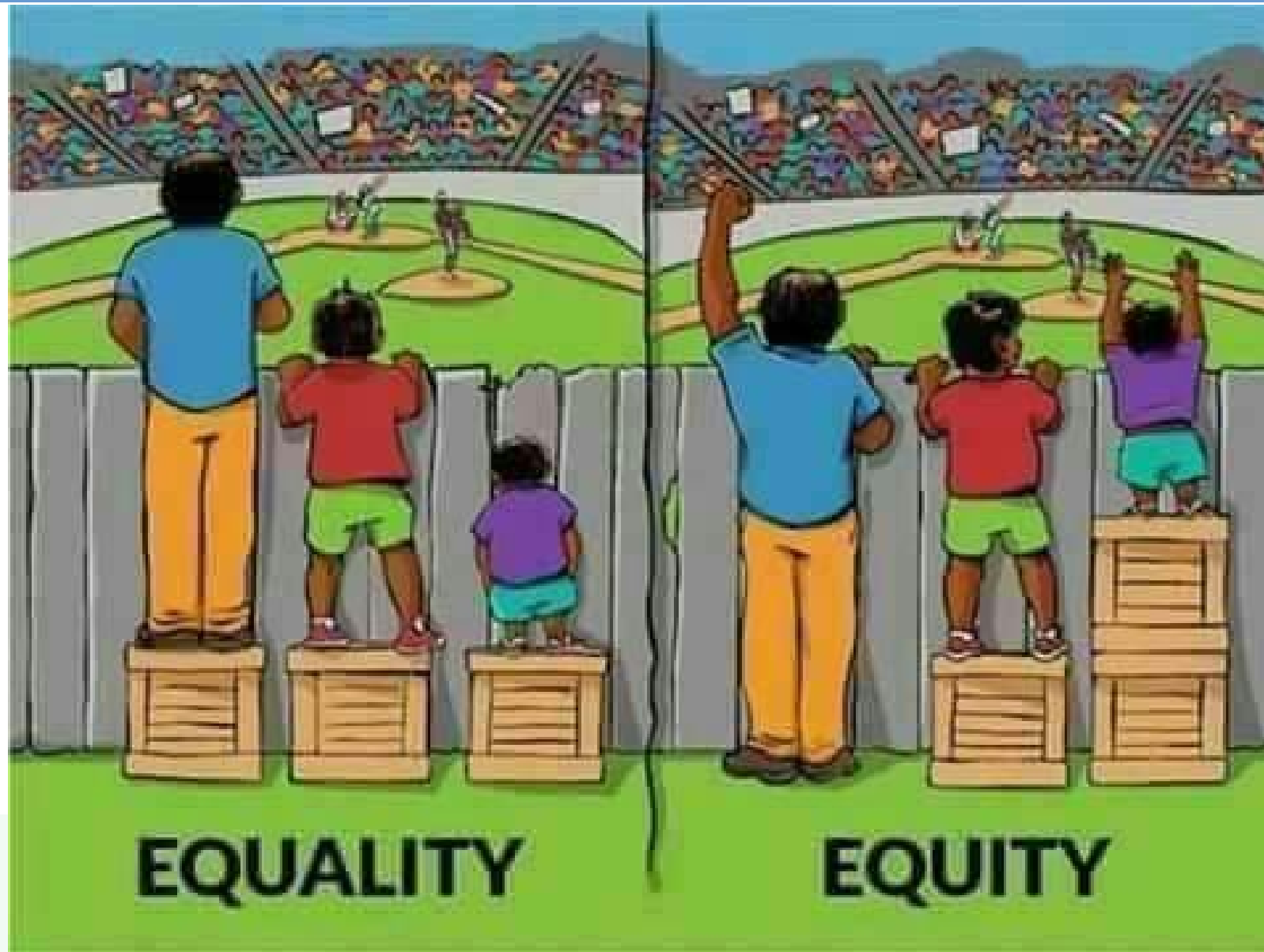
An aerial photograph of a city skyline at dusk. The sky is a mix of light blue and grey, with some clouds. The city is densely packed with buildings of various heights. Many windows are lit up, creating a warm glow. The buildings are mostly rectangular, with some taller ones standing out. The overall scene is a vibrant urban landscape.

Nearly **70%** of the world's population will live in **urban areas** by 2050

It's time we start
talking about
smart villages



ICTs for Bridging Gaps





Thanks