



EMERGING TRENDS IN THE ICT SECTOR:IMPLICATIONS FOR CAPACITY BUILDING

CBS-2016

6-8 September 2016

Nairobi, Kenya

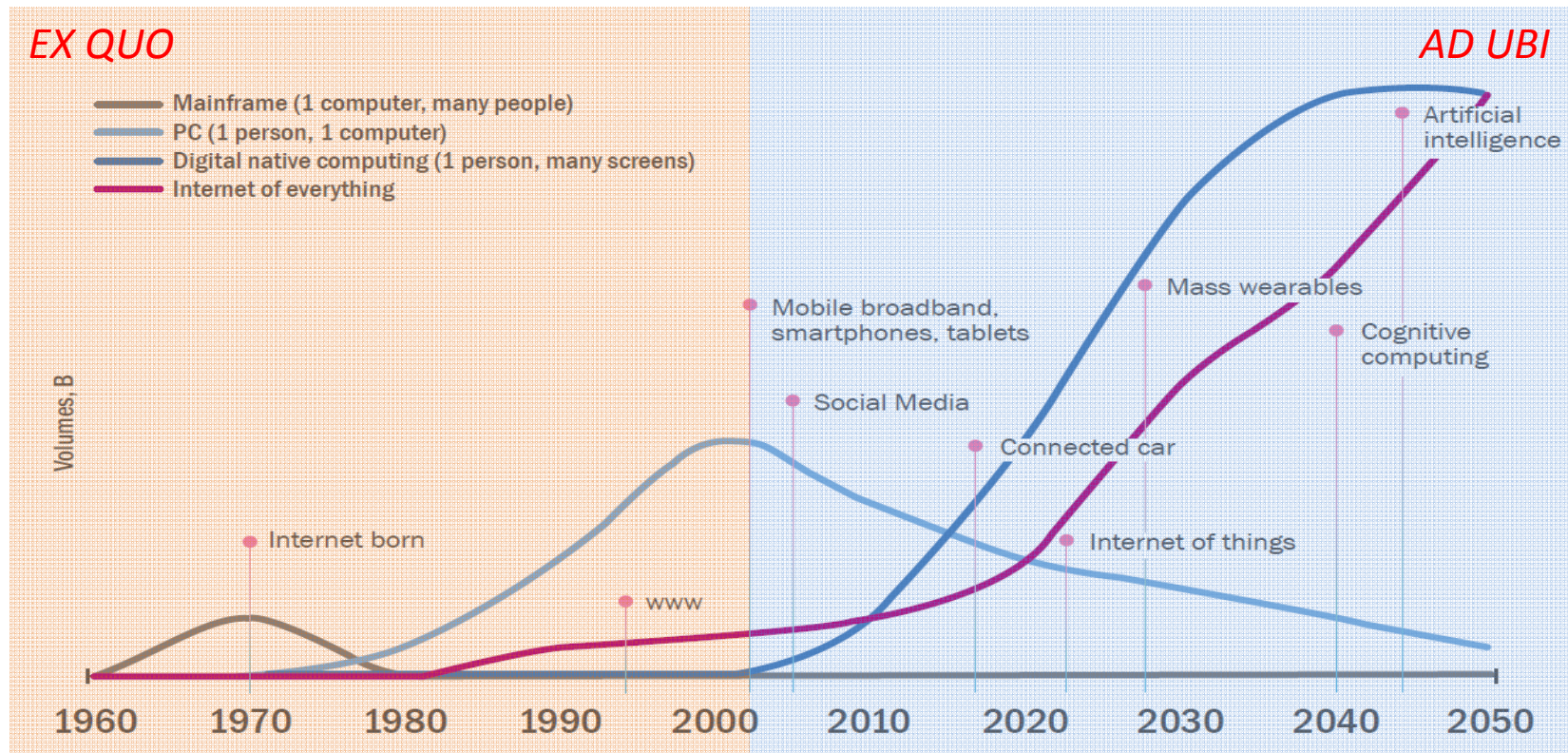
Dr. Cosmas ZAVAZAVA

Chief of Department,

Projects and Knowledge Management, ITU



TRENDS

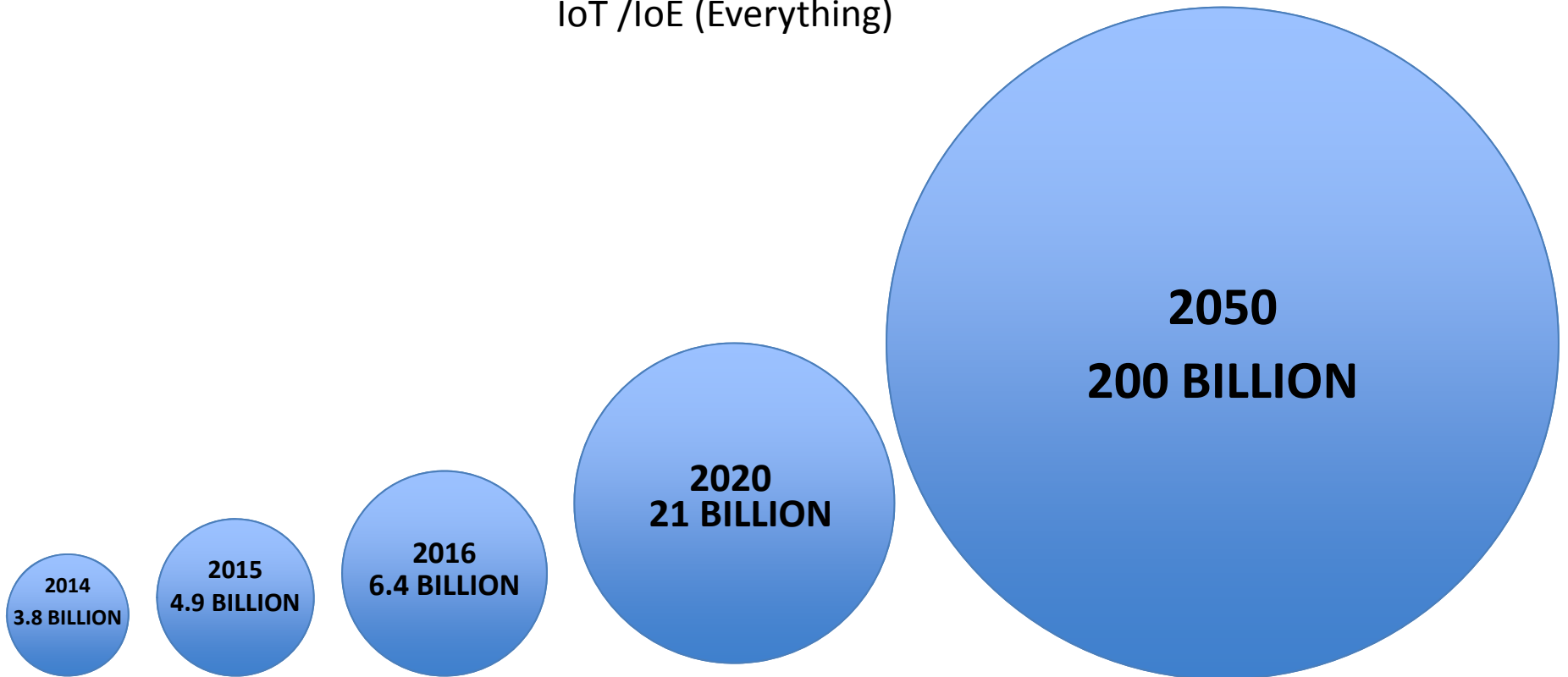


Source: ITU



HERE COMES M2M

IoT /IoE (Everything)

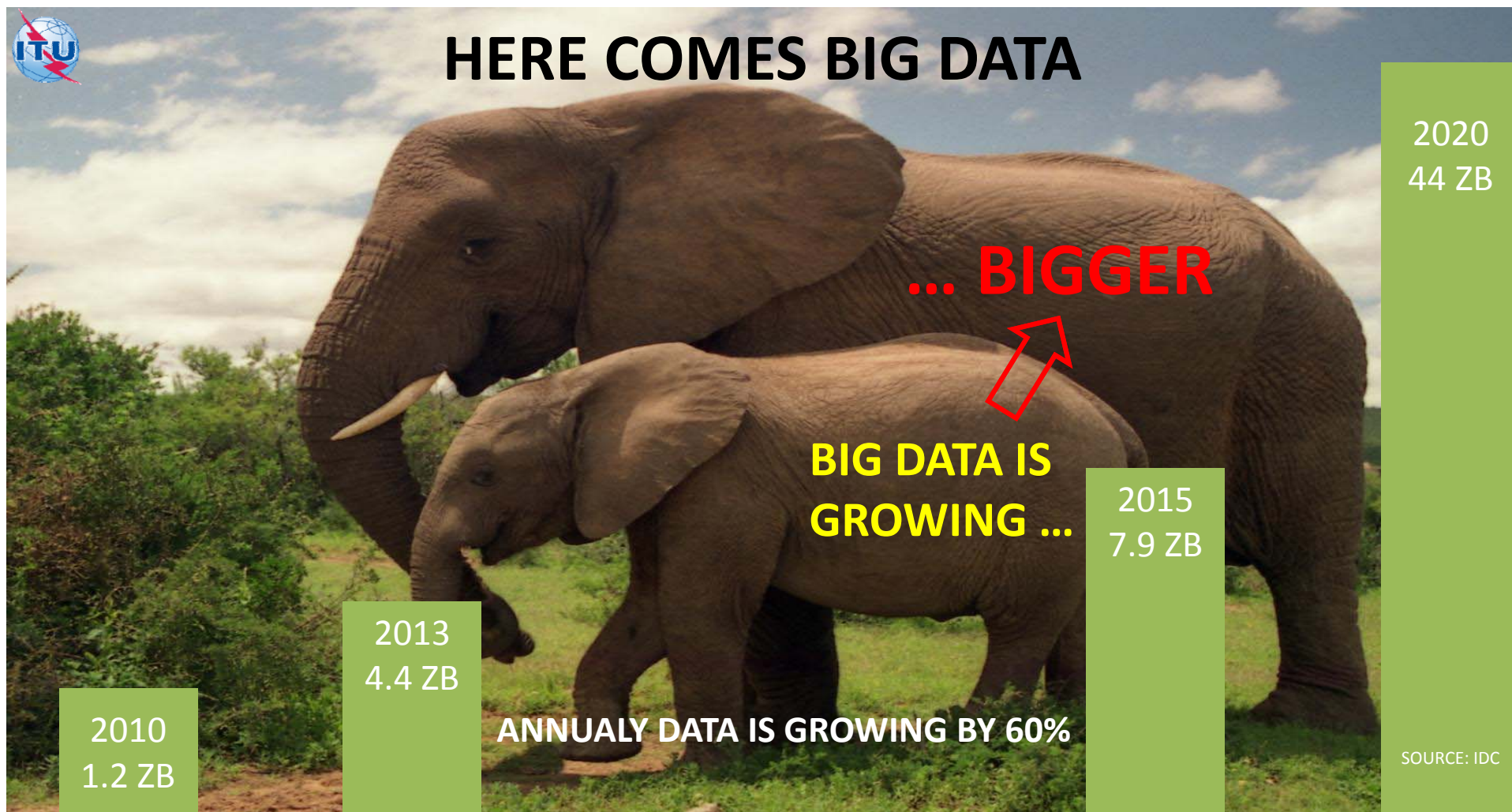


Source: GARTNER, IDC

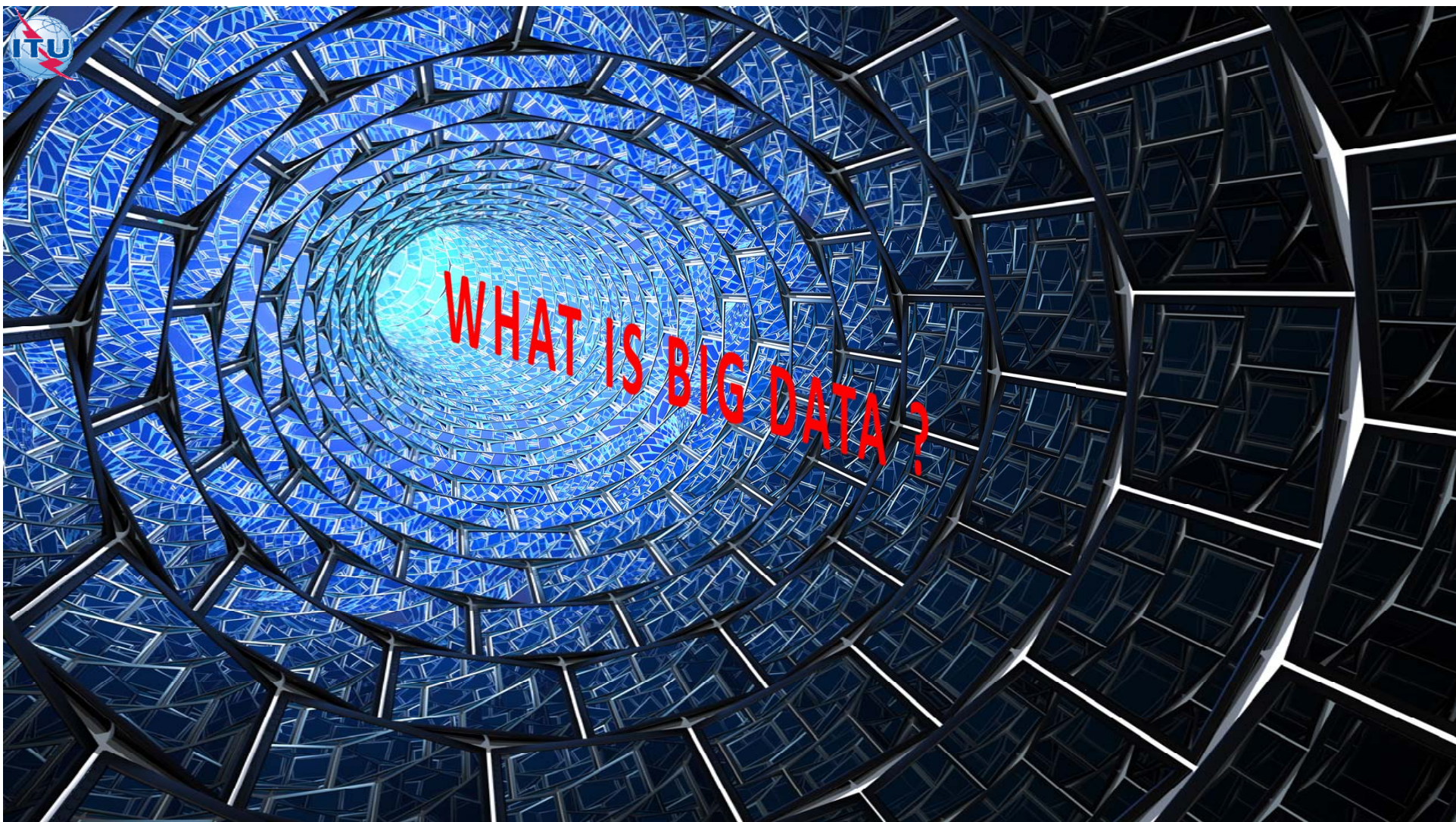
DATA DATA DATA DATA DATA DATA DATA DATA



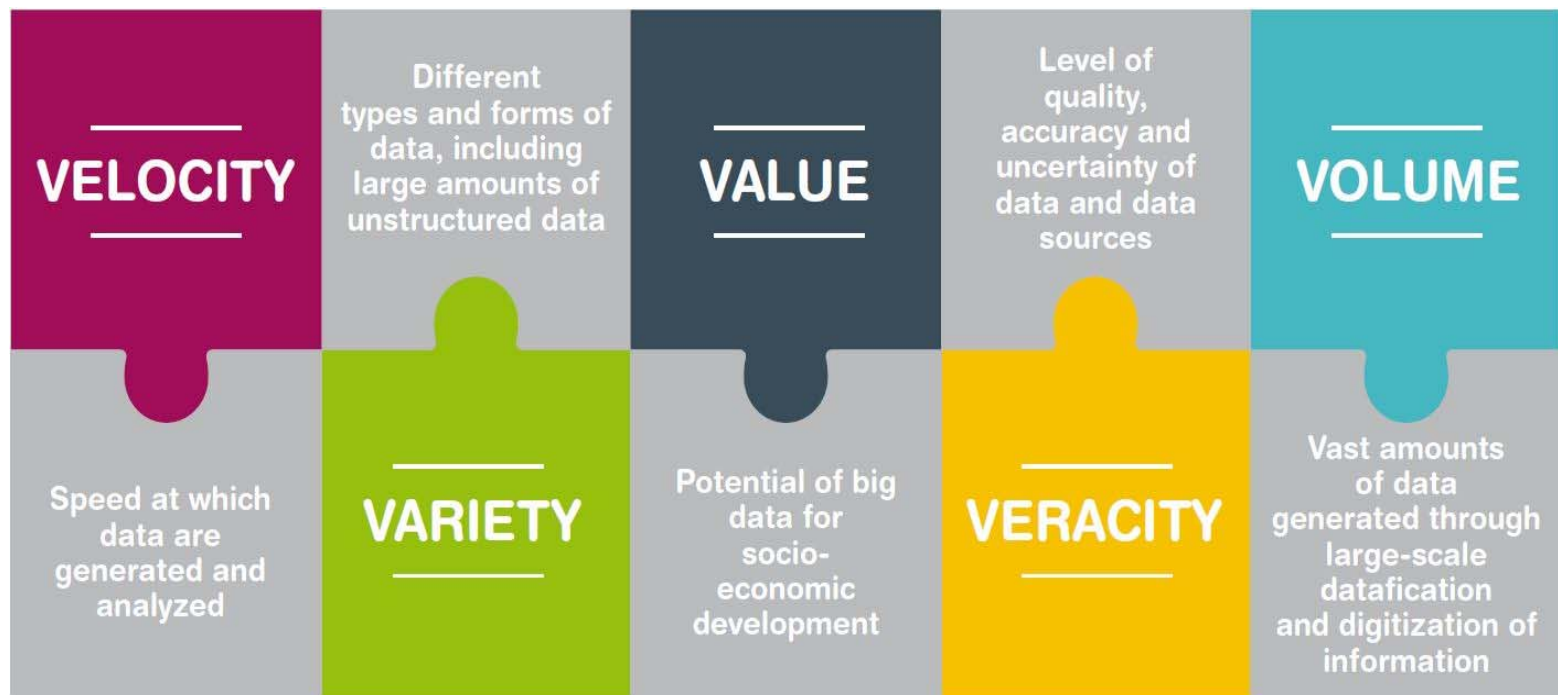
HERE COMES BIG DATA



1 ZetaByte = 1000^7 bytes = 10^{21} bytes = 1000000000000000000000 bytes = 1000 exa bytes = 1 million peta bytes = 1 billion tera bytes = 1 trillion giga bytes.

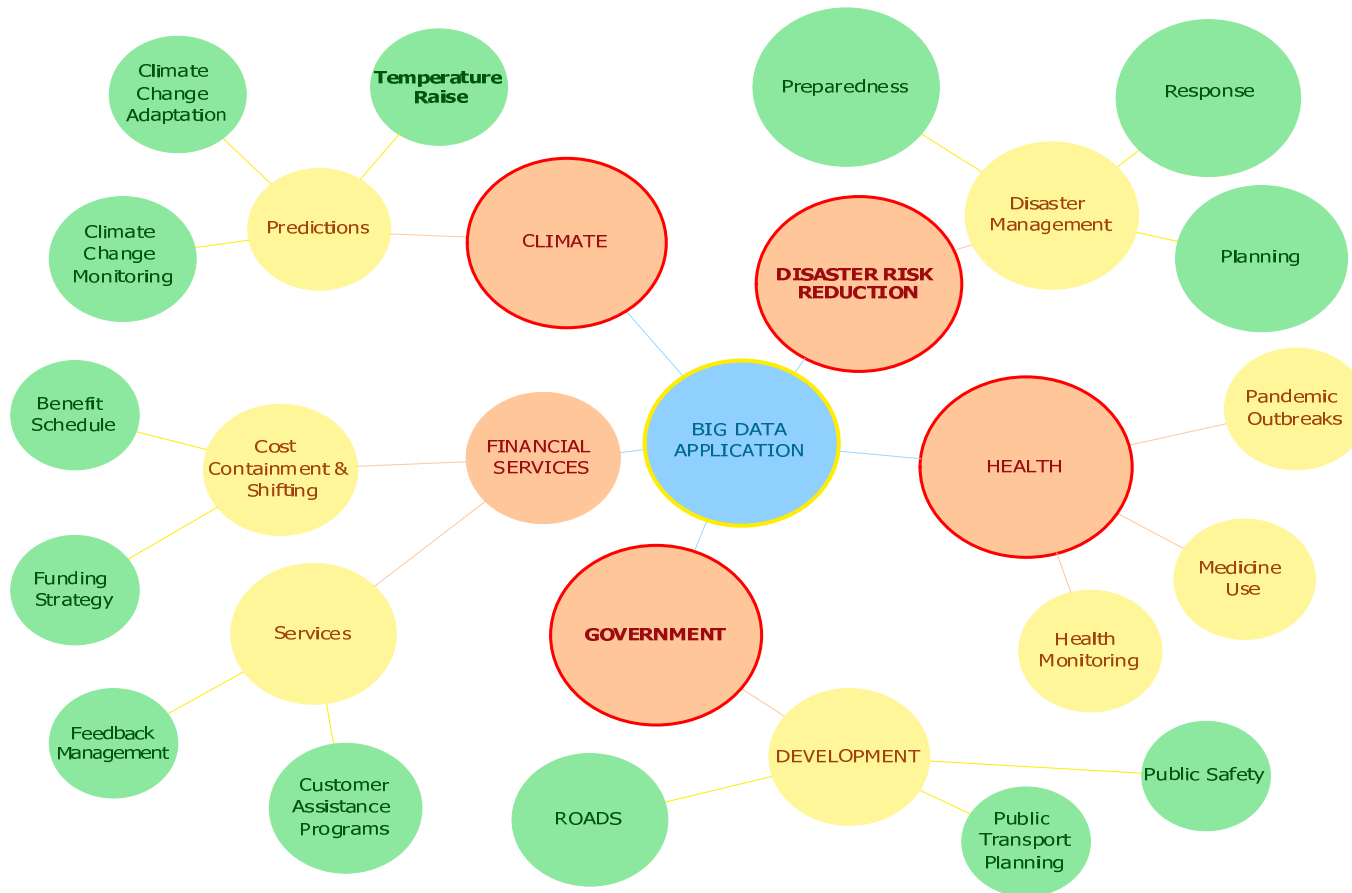


BIG DATA





BIG DATA APPLICATIONS



- Agriculture
- Infrastructure
- Water
- Sanitation
- Pharmaceutical Industry
- Education
- Statistics
- Development
- National Security
- Risk Management,
- Etc ...



NOT ALL DATA HAS VALUE

SMART
DATA

2013
22%

2020
37%

Source: IDC 2014



DEMONSTRATION OF BIG DATA USE

- HEALTH
- CLIMATE CHANGE
- OFFICIAL STATISTICS



BIG DATA FROM M2M – CLIMATE CHANGE

2015 Was Hottest Year in Historical Record

Source: NASA & NOAA, January 2016

Google's Eric Schmidt On Collective Intelligence:
“In God We Trust...But All Others Bring Data”

