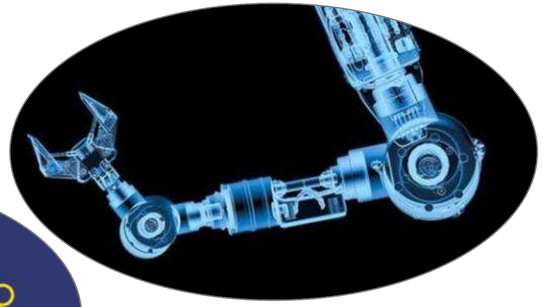
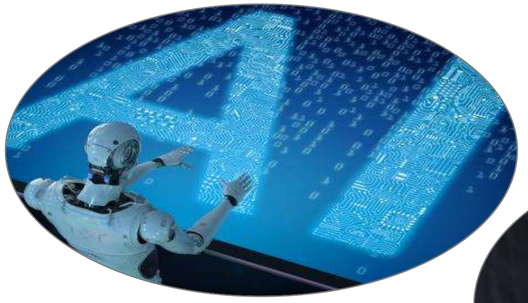
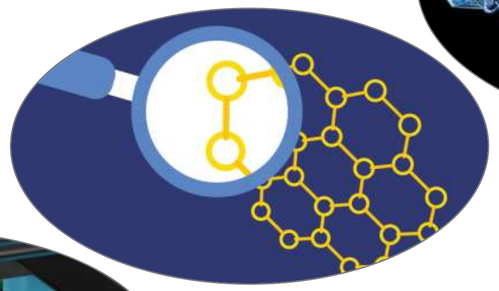
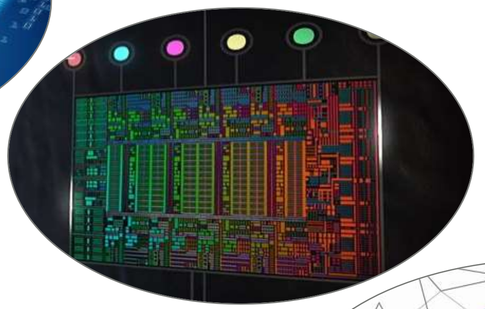
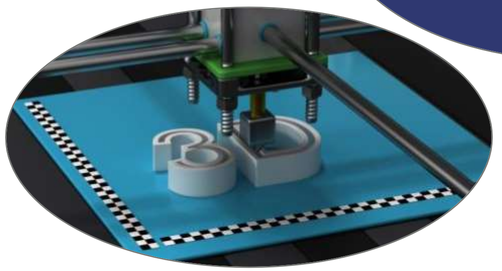
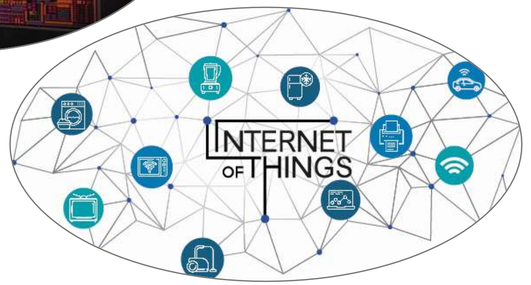







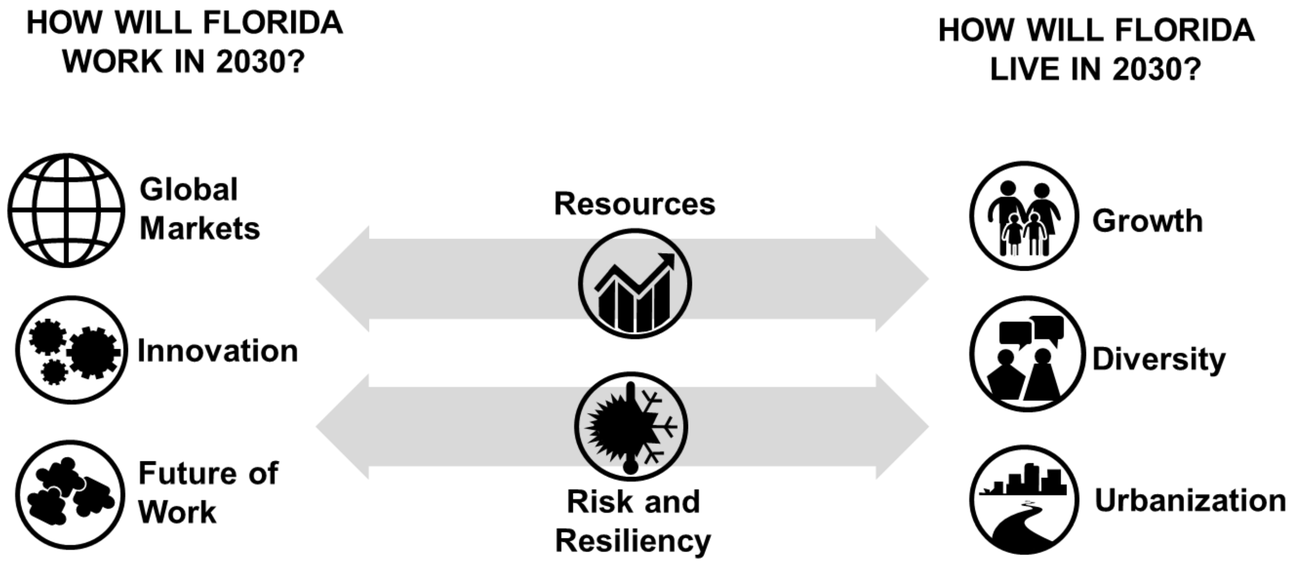
Florida's Future: Economic Development & Impact of Technology & Job Automation

Tony Carvajal
The Able Trust
Tony@AbleTrust.org

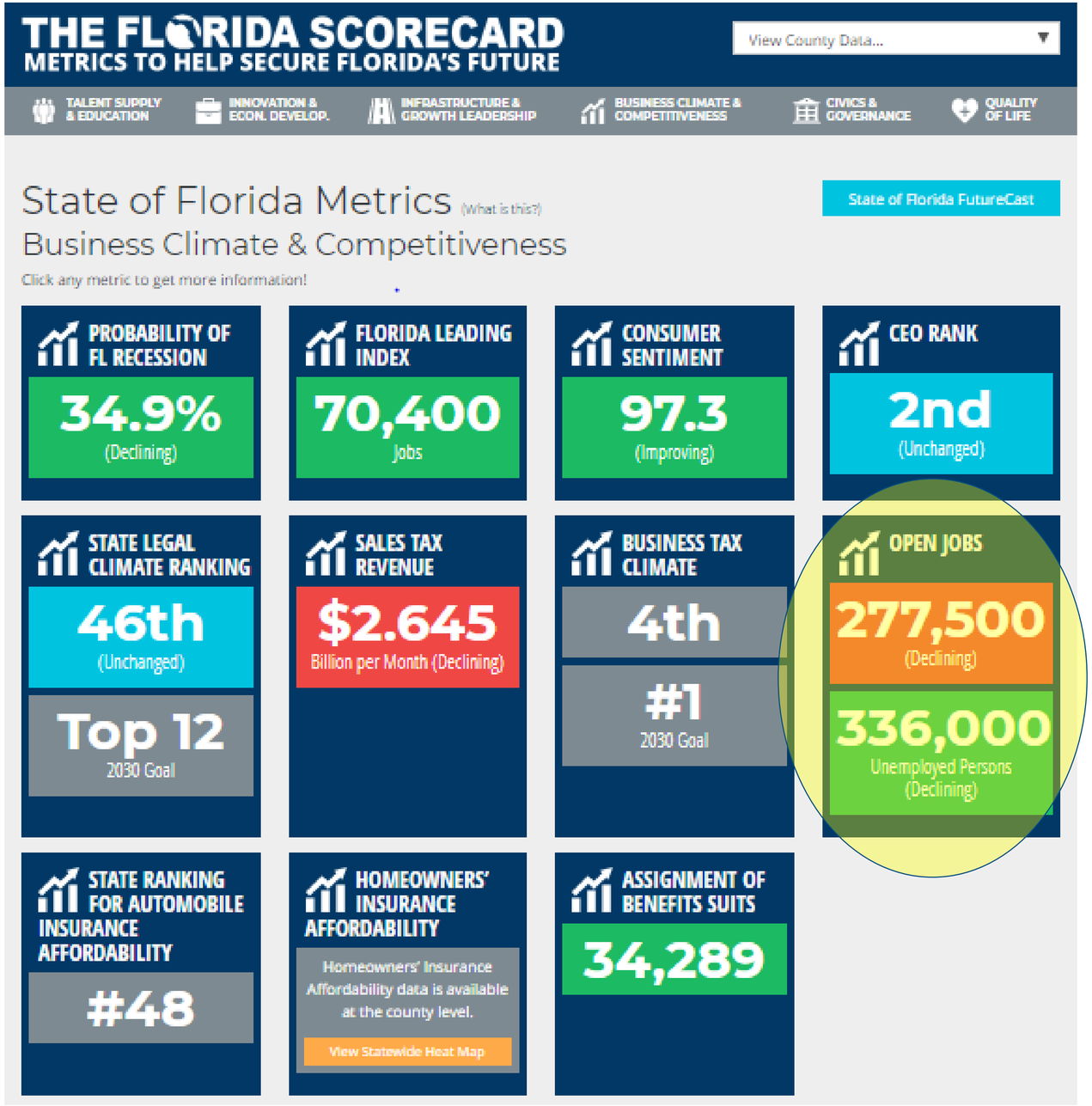
#FL2030
#IsFLready
@WhatTonyCs

FLACDC 10.30.19

www.Florida2030.org



FLORIDA CHAMBER Foundation | 50 YEARS 1968 • 2018



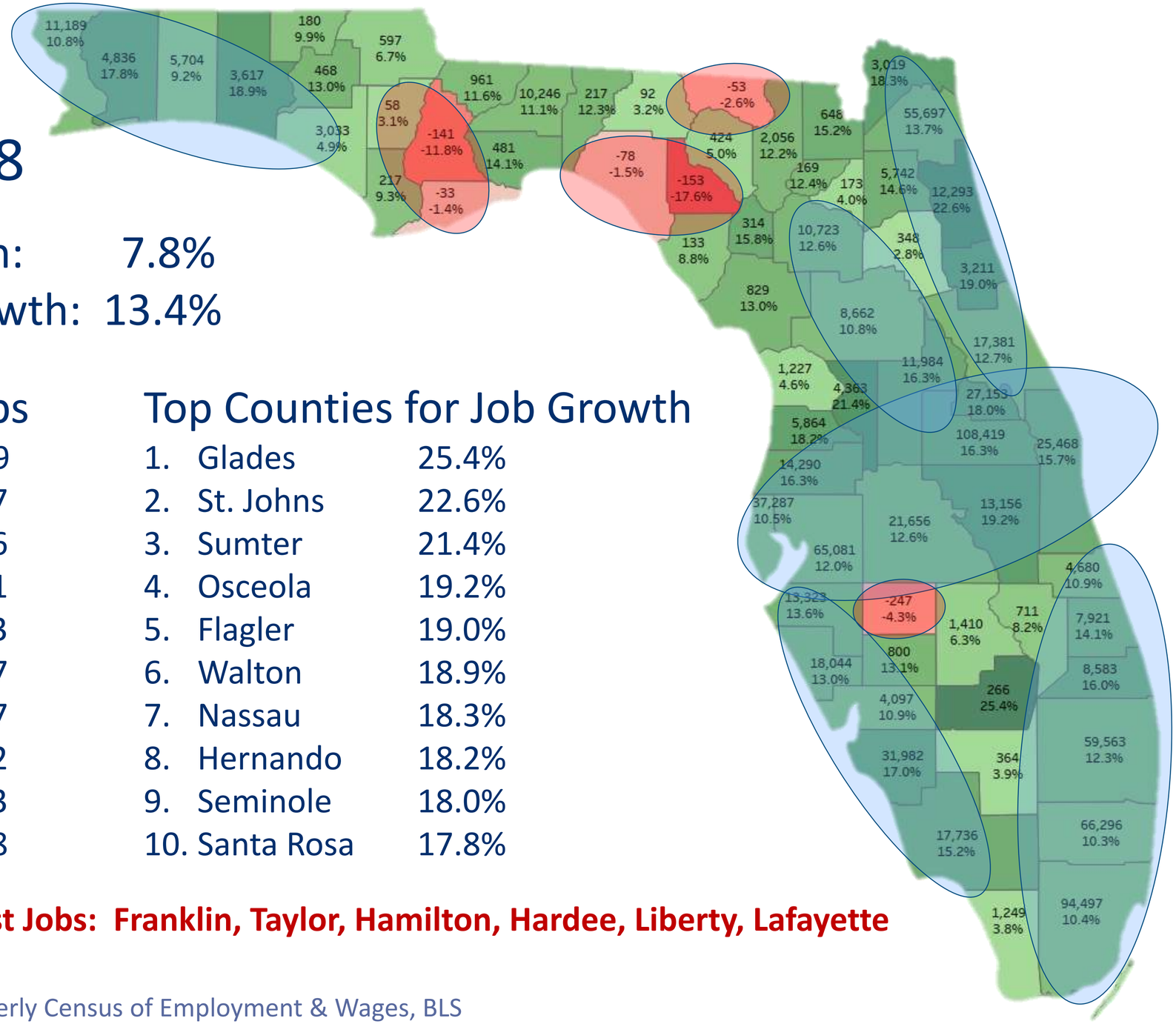
"Skills Gap"

TheFloridaScorecard.org

Job Creation by County: 2014-18

U.S. Job Growth: 7.8%

Florida Job Growth: 13.4%



Top Counties for Jobs

1.	Orange	108,419
2.	Miami-Dade	94,497
3.	Broward	66,296
4.	Hillsborough	65,081
5.	Palm Beach	59,563
6.	Duval	55,697
7.	Pinellas	37,287
8.	Lee	31,982
9.	Seminole	27,153
10.	Brevard	25,468

Top Counties for Job Growth

1.	Glades	25.4%
2.	St. Johns	22.6%
3.	Sumter	21.4%
4.	Osceola	19.2%
5.	Flagler	19.0%
6.	Walton	18.9%
7.	Nassau	18.3%
8.	Hernando	18.2%
9.	Seminole	18.0%
10.	Santa Rosa	17.8%

6 Florida Counties Lost Jobs: Franklin, Taylor, Hamilton, Hardee, Liberty, Lafayette

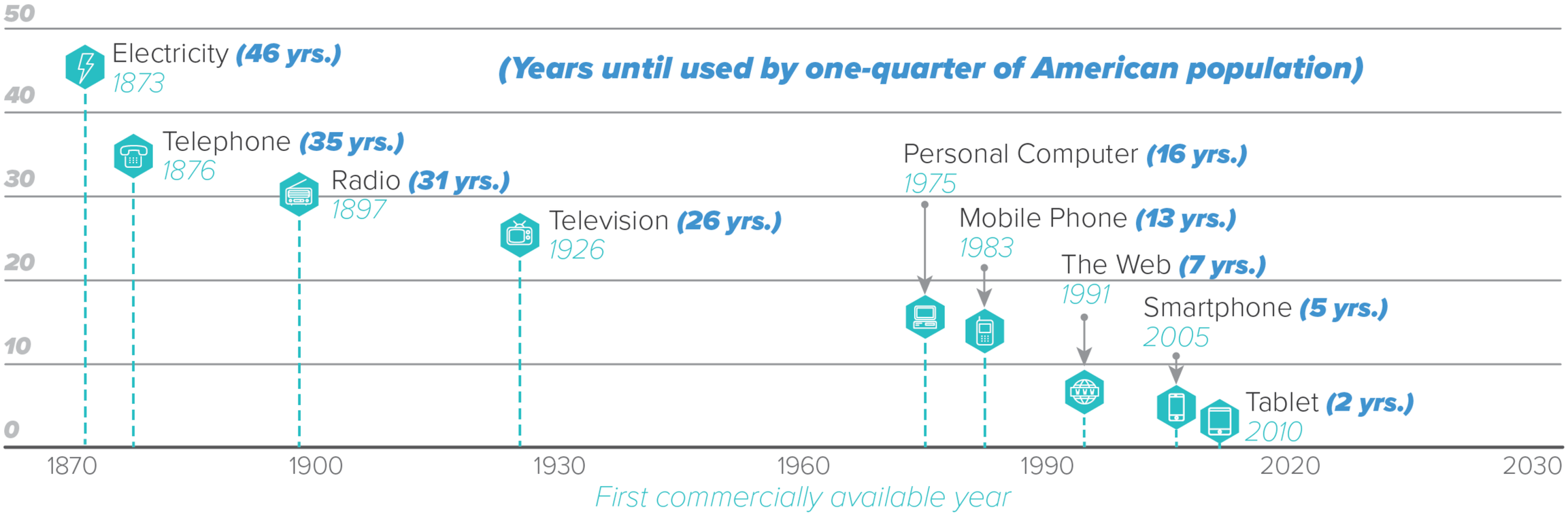
FLORIDA CHAMBER Foundation | 50 YEARS 1968 • 2018

Source: Quarterly Census of Employment & Wages, BLS

We are all subject to the same trends and disruptions...

The difference is whether we are ready or not.

Innovation Adoption

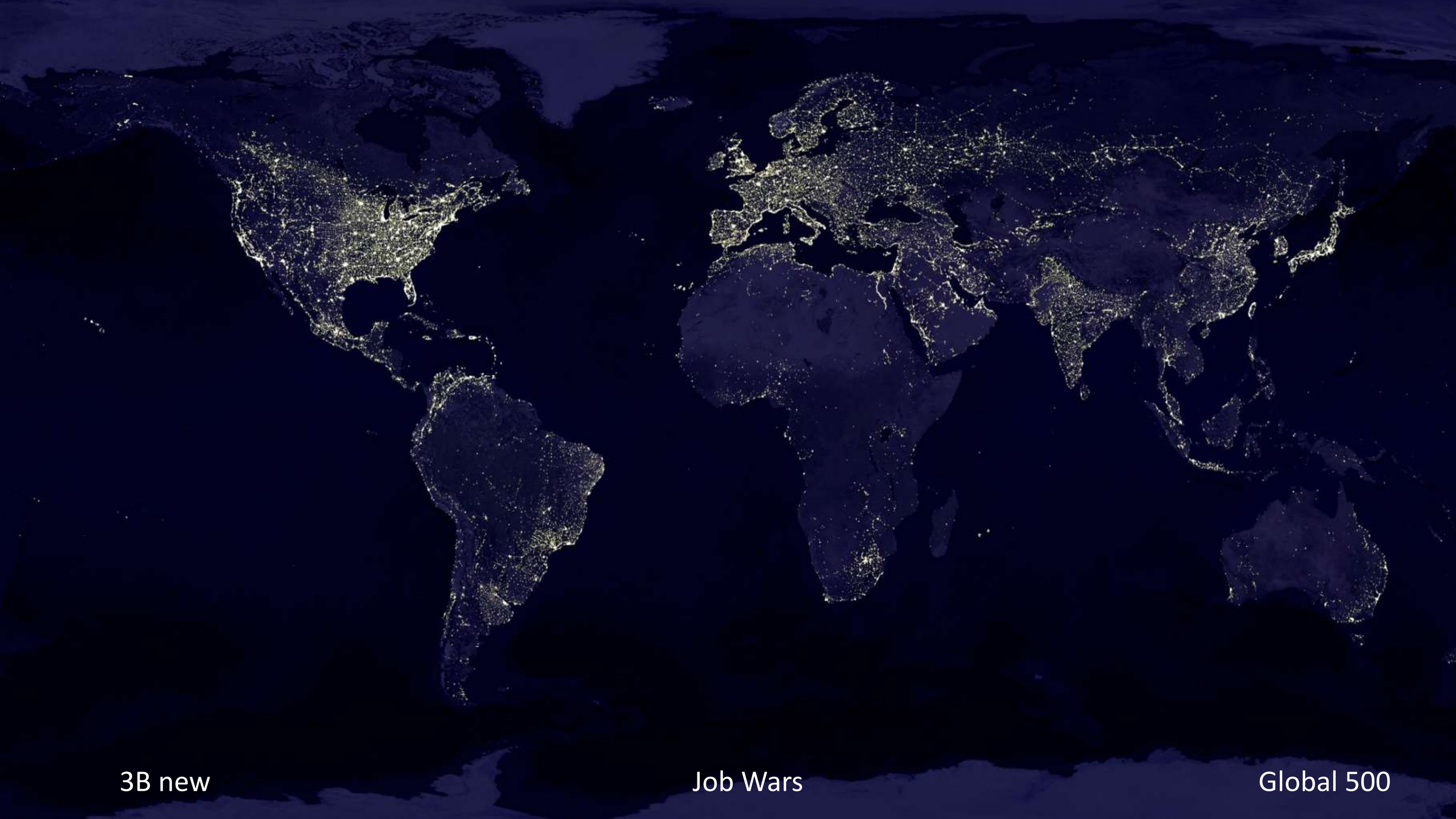


Source: Singularity.com

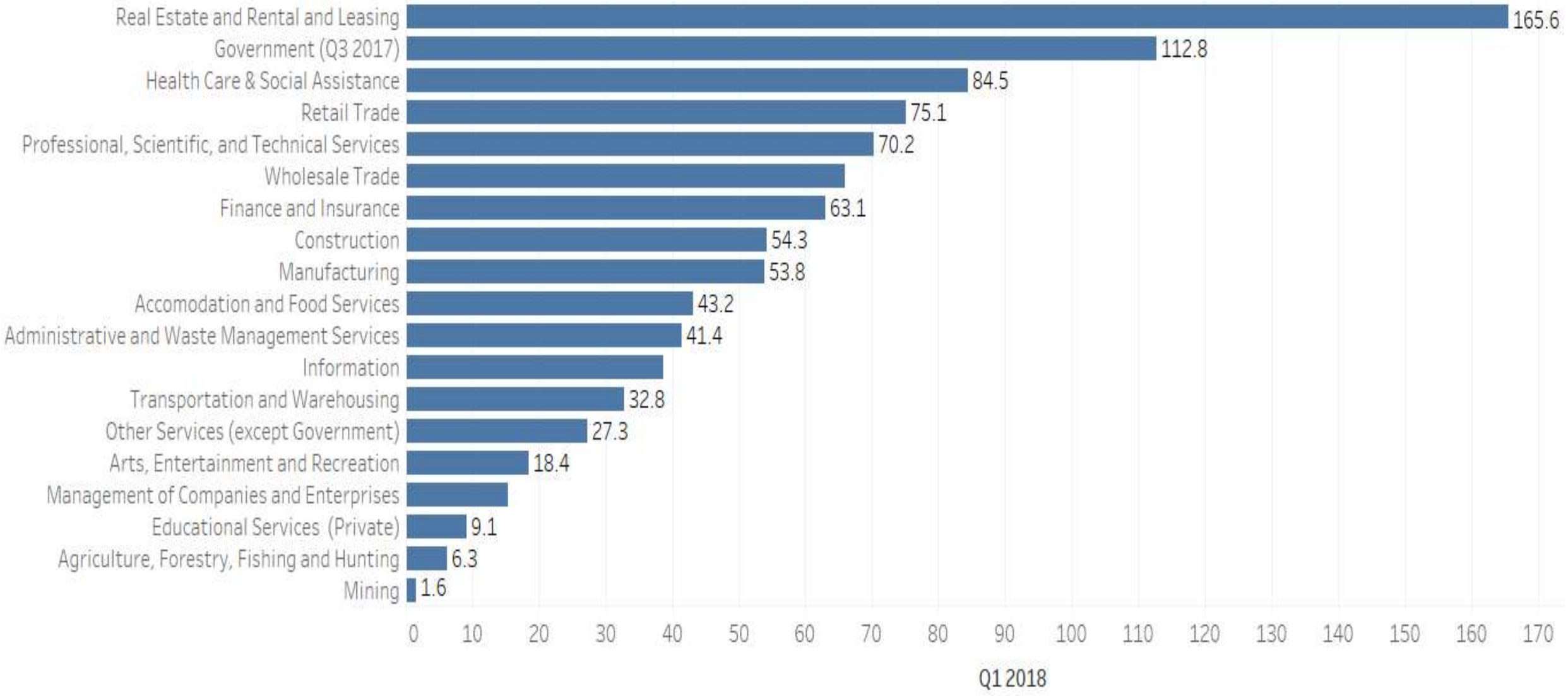
Global Markets

Global Growth in Cross-Border Flows, 2002-2014

Source: UN World Tourism Organization, UN Conference on Trade and Development, World Bank, International Monetary Fund, TeleGeography, McKinsey Global Institute, Cambridge Systematics analysis

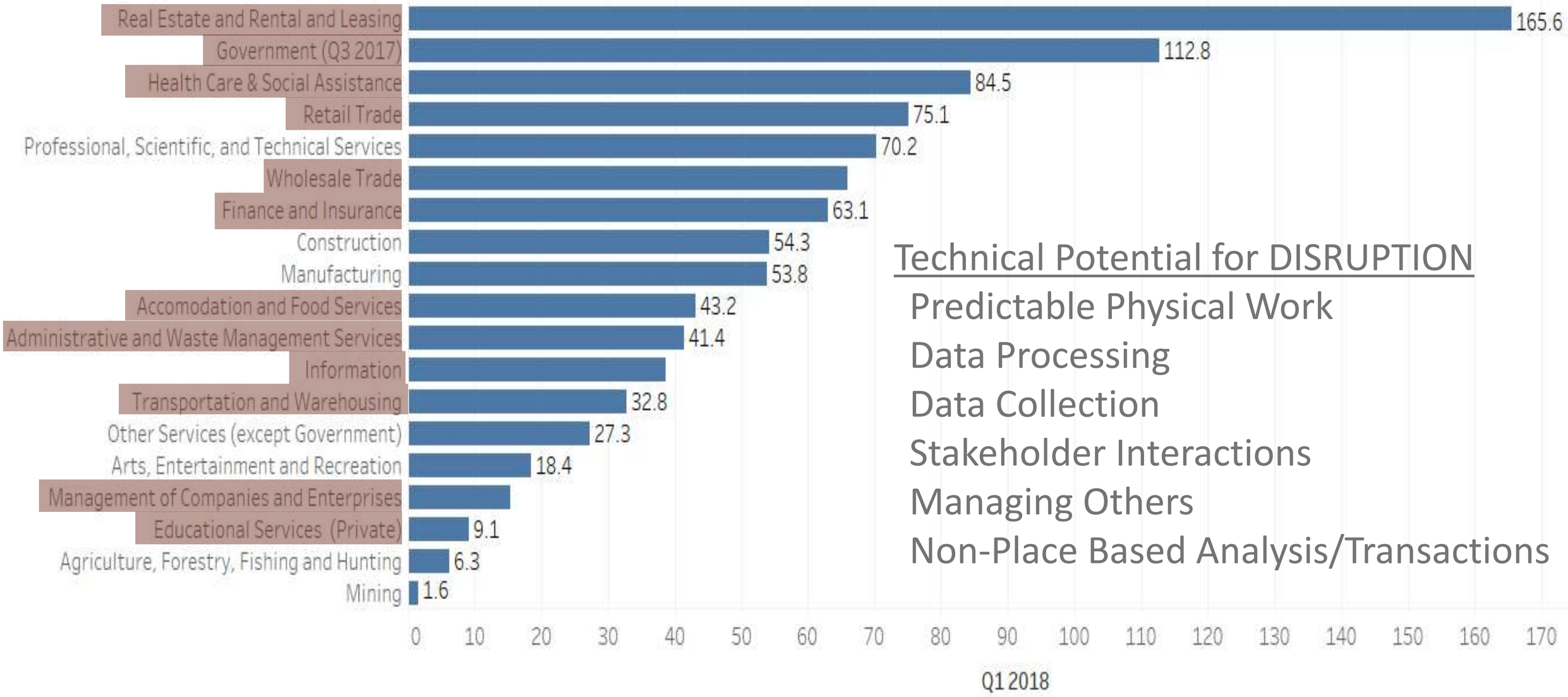

3B new
Job Wars
Global 500

Florida's $1 Trillion GDP by Industry – Q1 2018 ($Billion)



Source: Federal Reserve (FRED) Data

Florida's $1 Trillion GDP by Industry – Q1 2018 ($Billion)

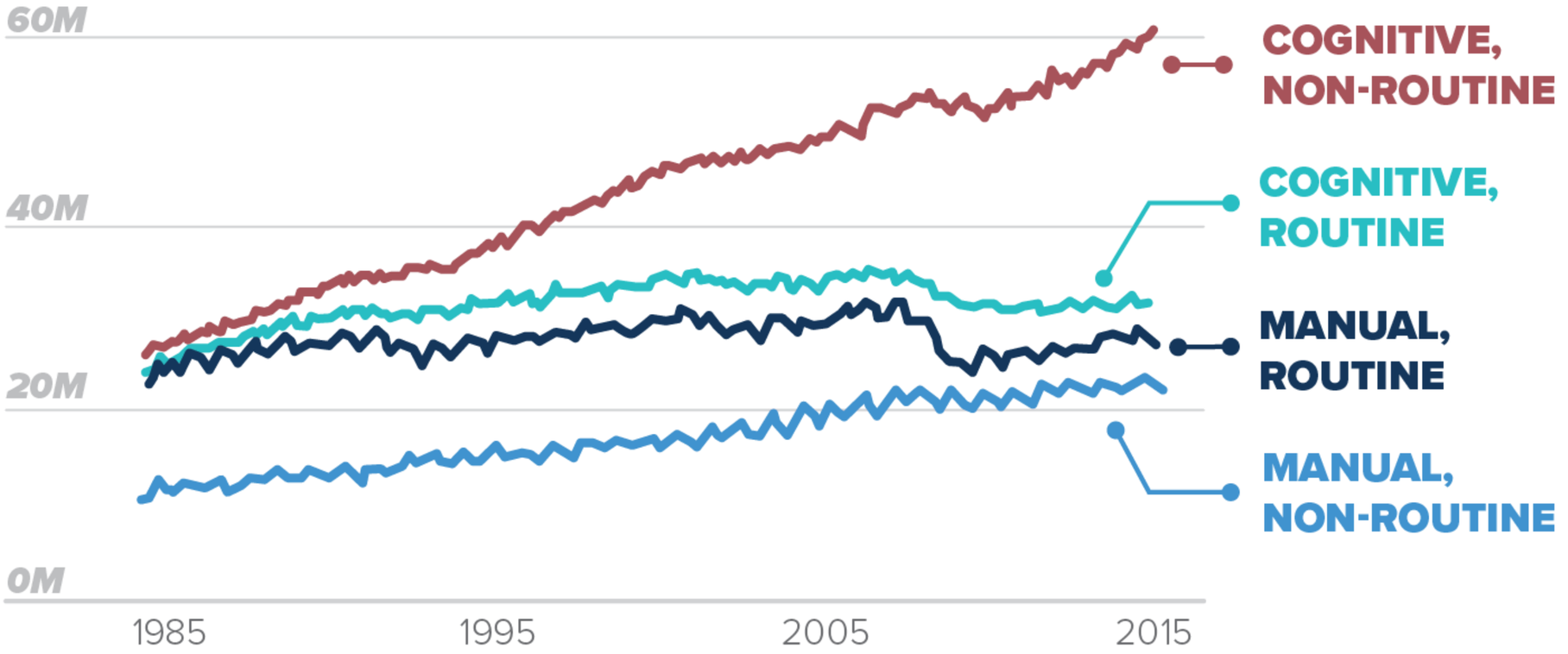


Technical Potential for DISRUPTION

- Predictable Physical Work
- Data Processing
- Data Collection
- Stakeholder Interactions
- Managing Others
- Non-Place Based Analysis/Transactions

Source: Federal Reserve (FRED) Data, Preliminary estimate using McKinsey Global Institute, Analysis for Jobs in the Americas

Nature of Work



Manager, computer tech, artist, etc.

Office & admin, sales

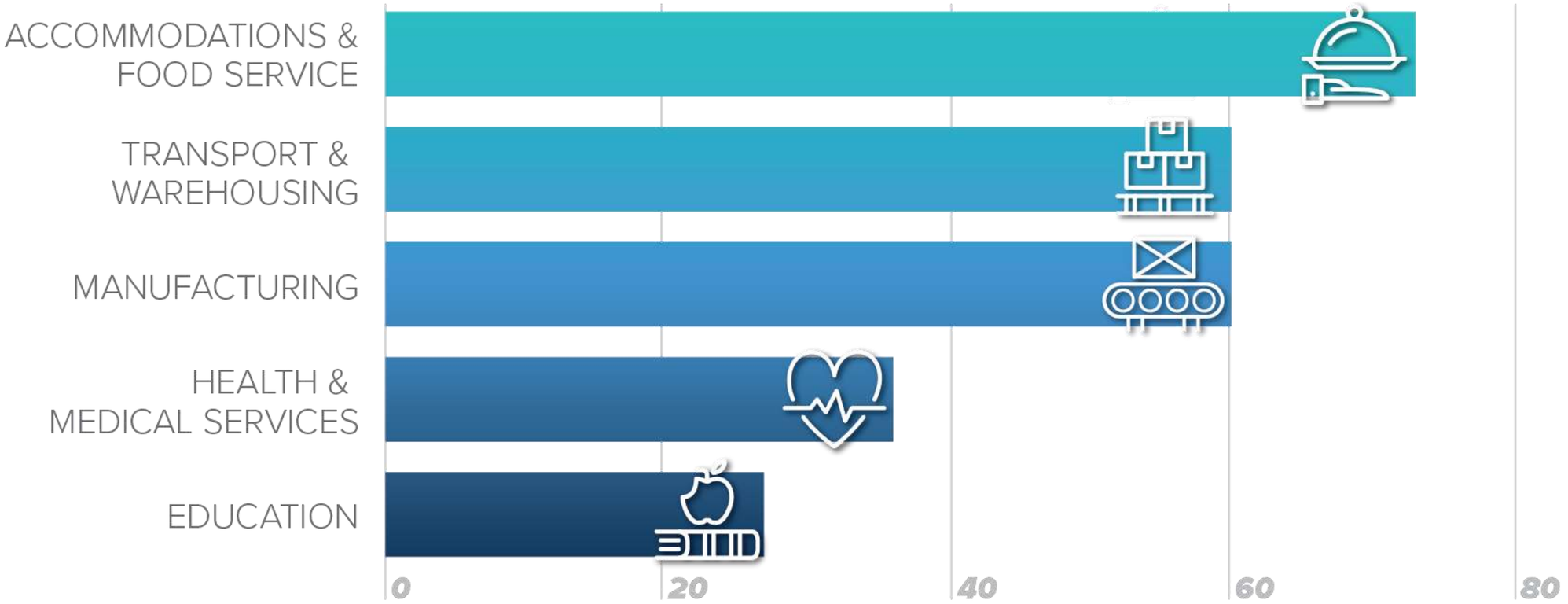
Construction, manufacturing, production

Food prep., personal care, retail. Healthcare support

U.S. Employment by Job Type

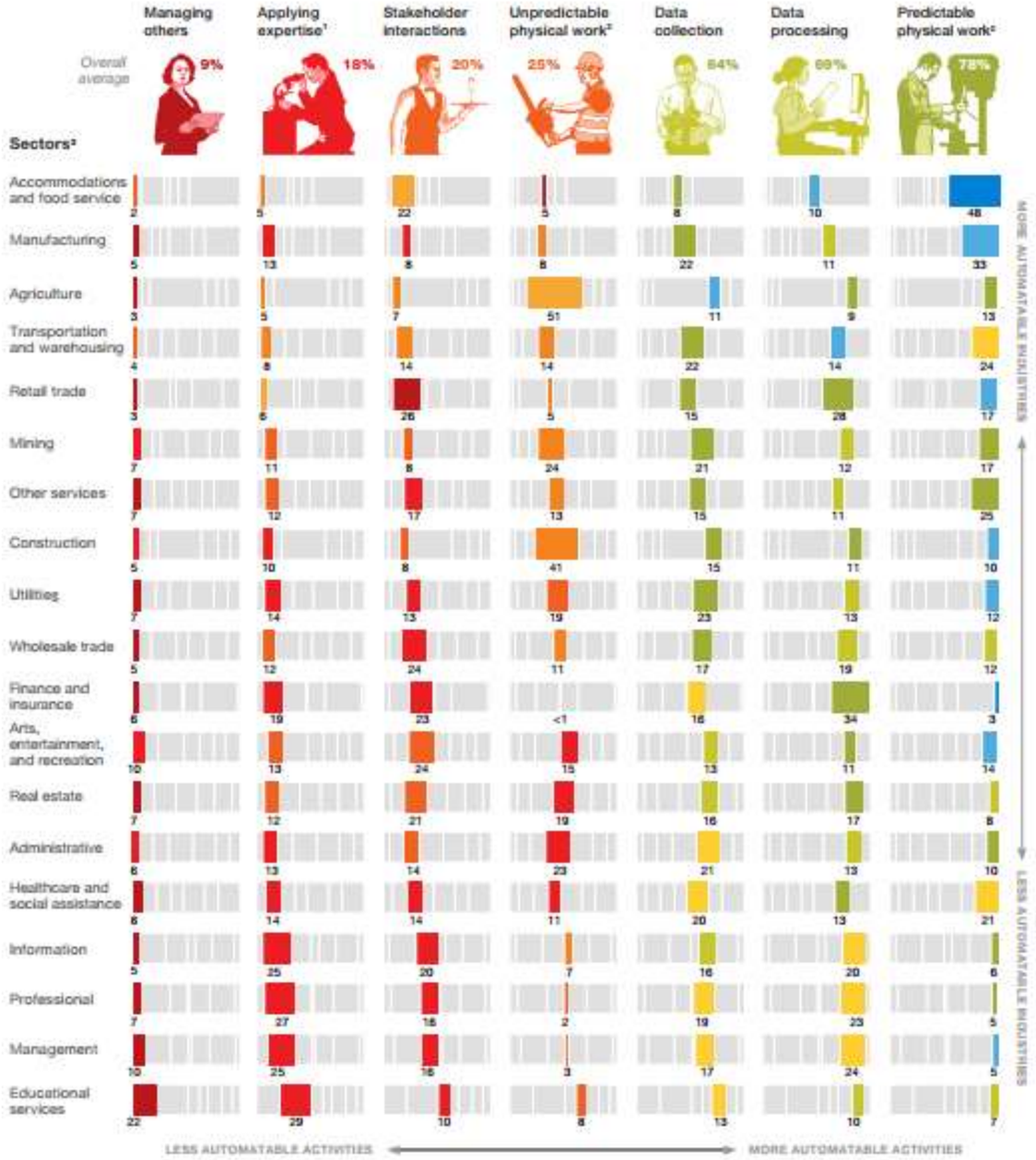
Source: Federal Reserve Bank of St. Louis analysis of Bureau of Labor Statistics occupational data

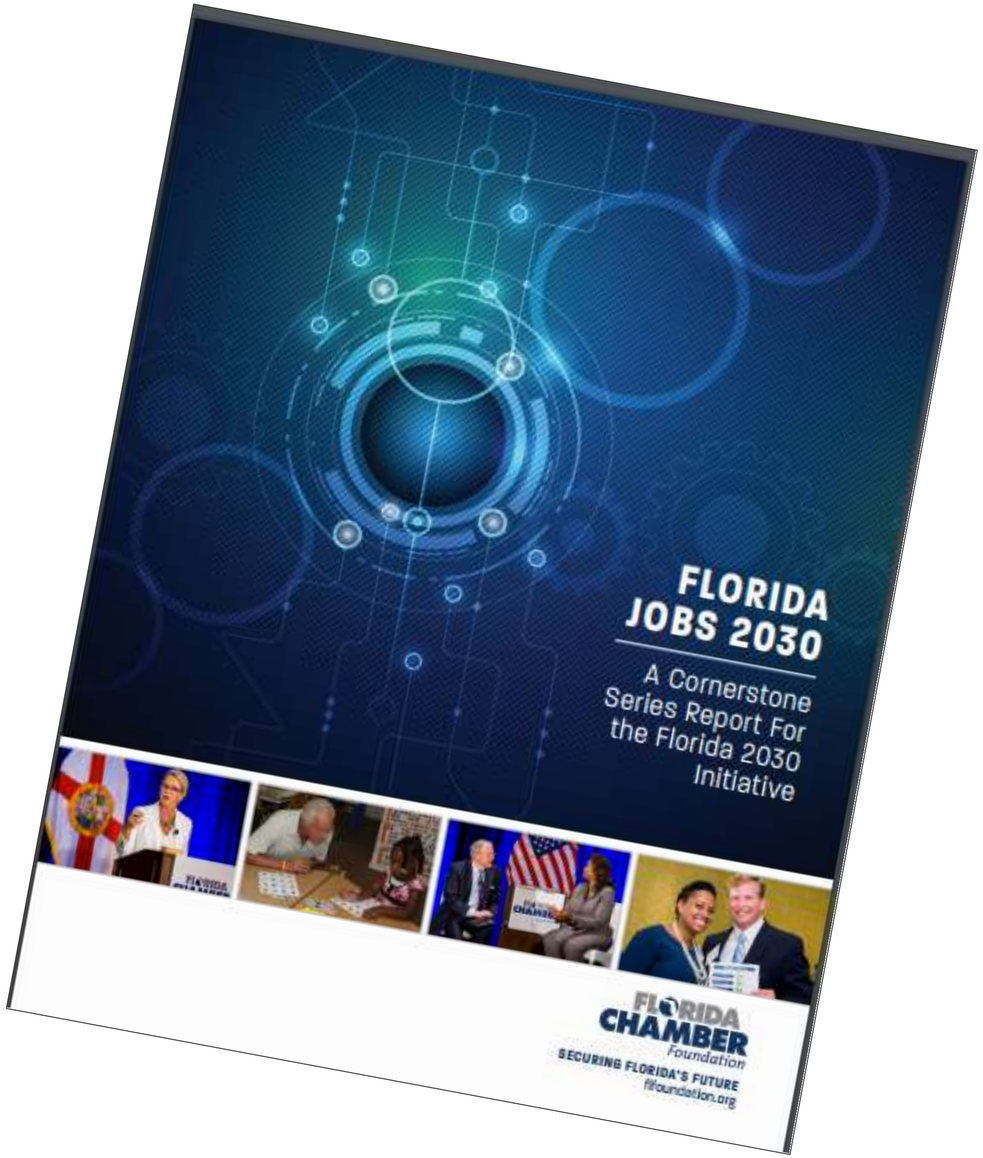
Nature of Work



Percent of Selected Jobs that Could be Automated Using Existing Technology

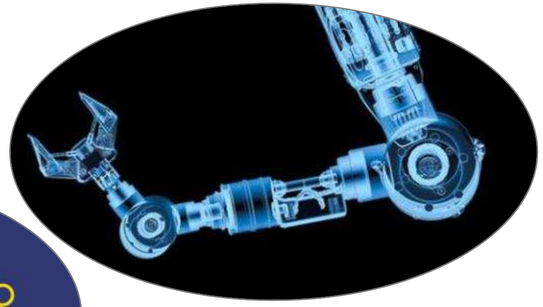
Source: McKinsey Global Institute, 2017.

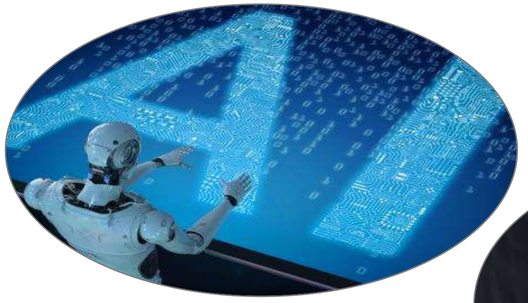


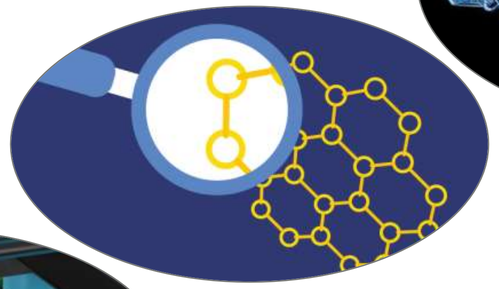


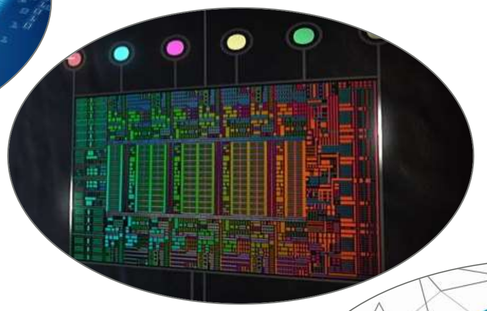
McKinsey Quarterly, July 2016

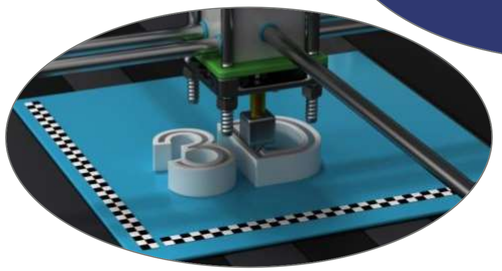
Innovation Ecosystem

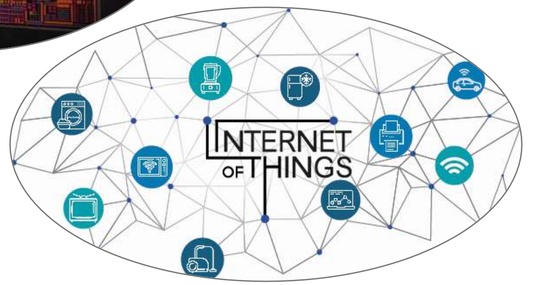


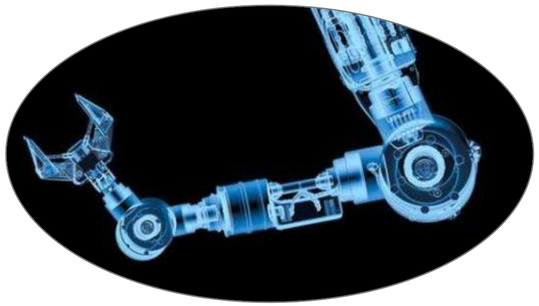




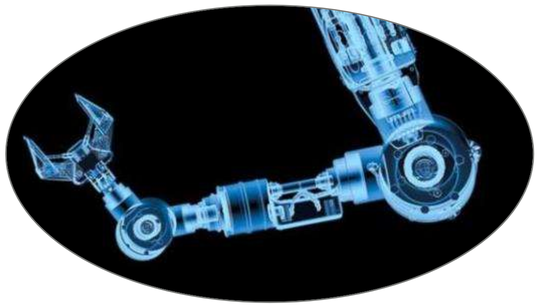


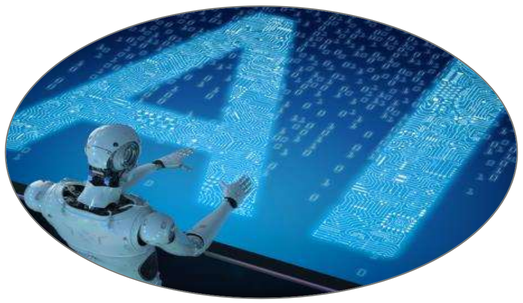




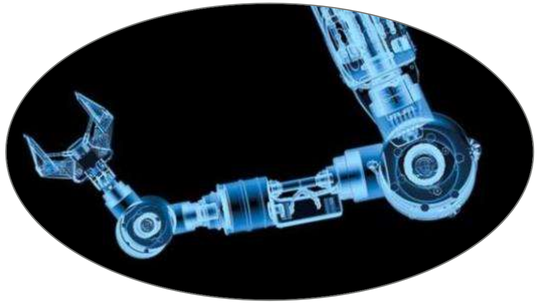
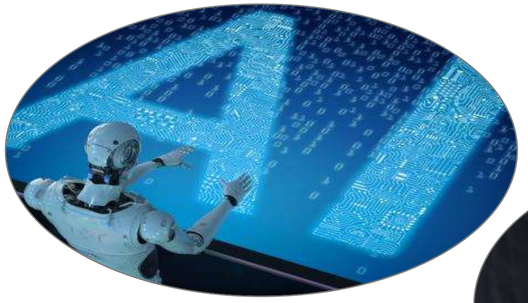
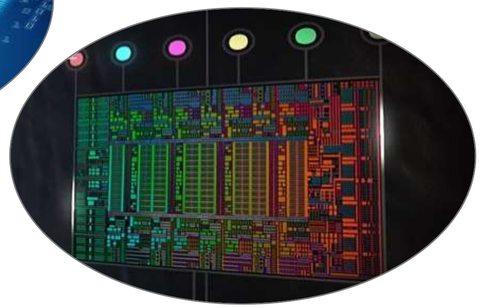


Robotics & Automation

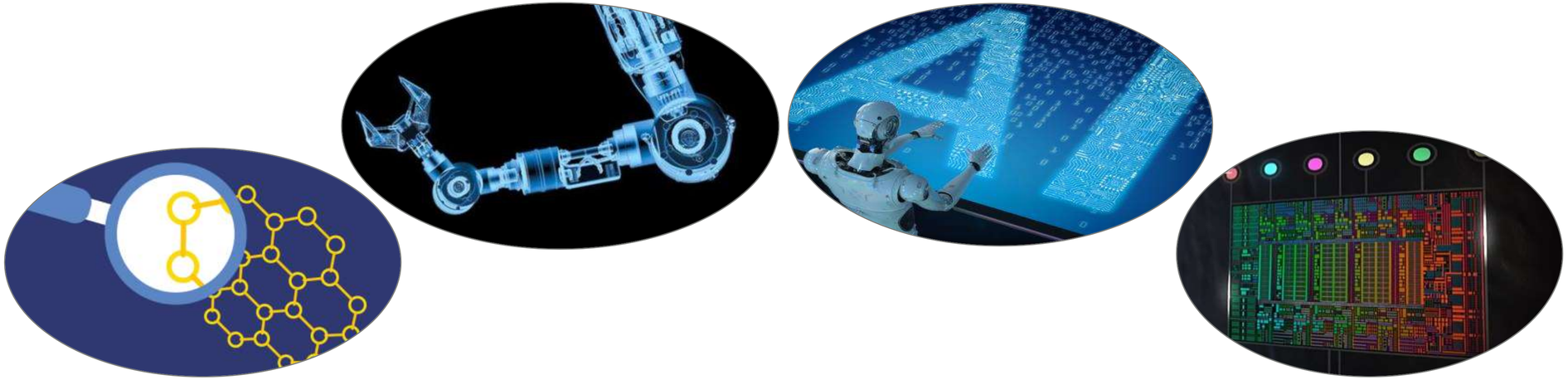




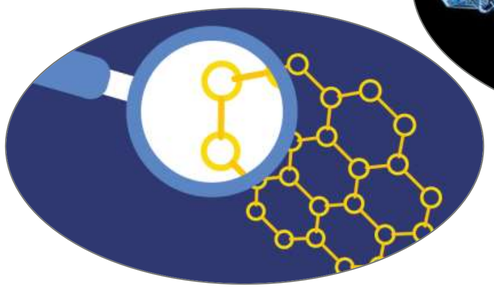
Artificial Intelligence, Big Data & Machine Learning

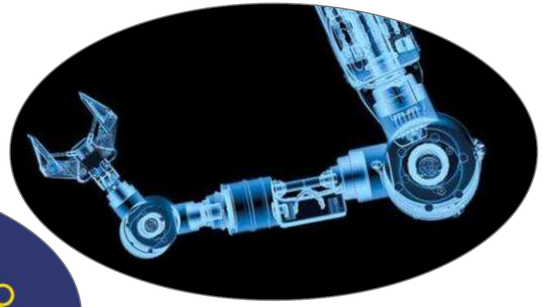




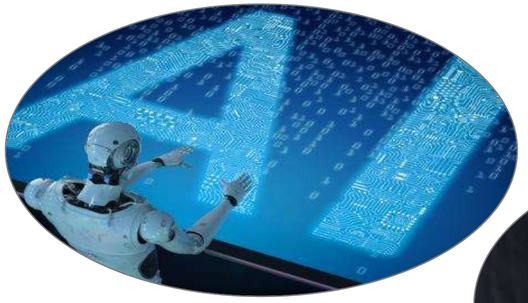
Sensors

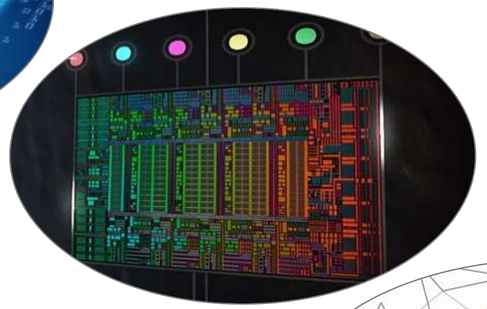


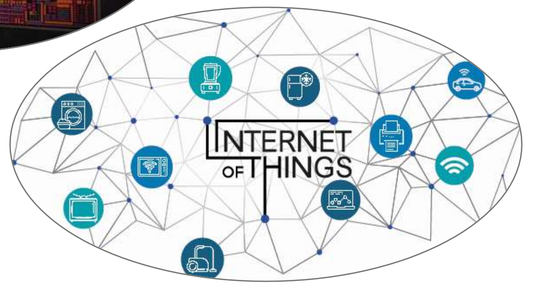
Nanotechnology



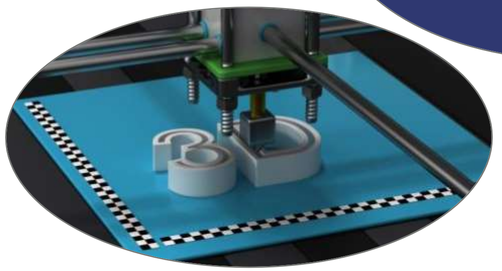


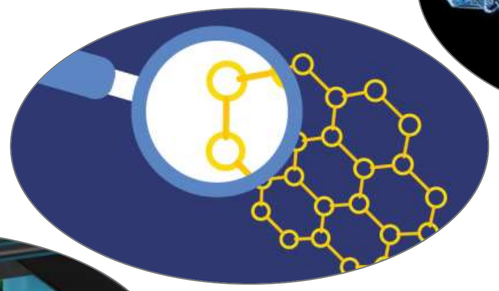


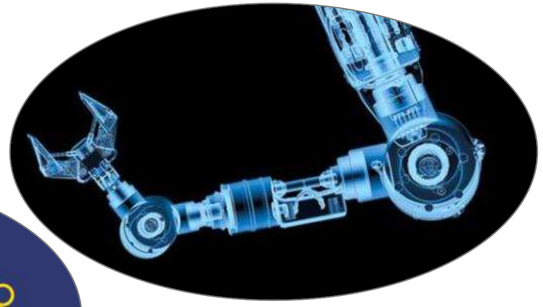


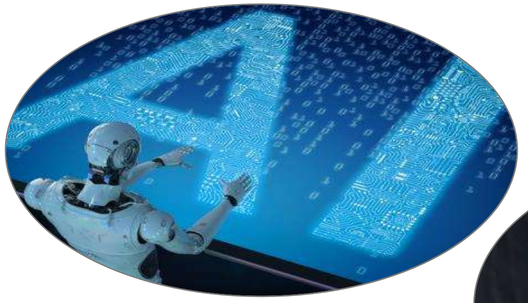


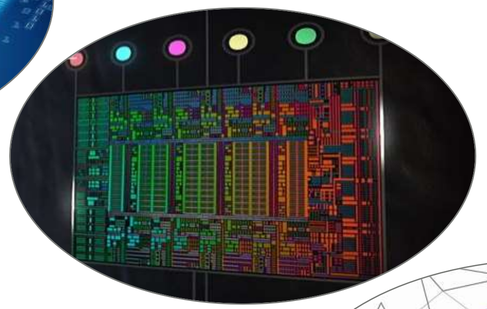
IoT
The Internet of Things

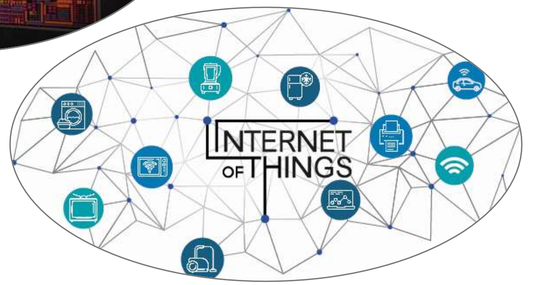




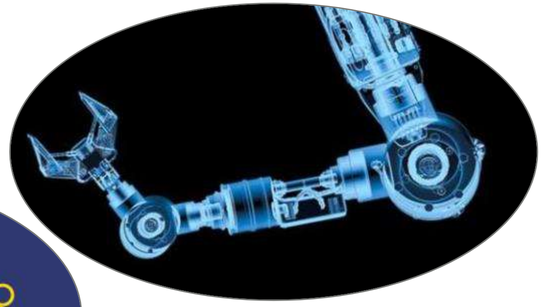
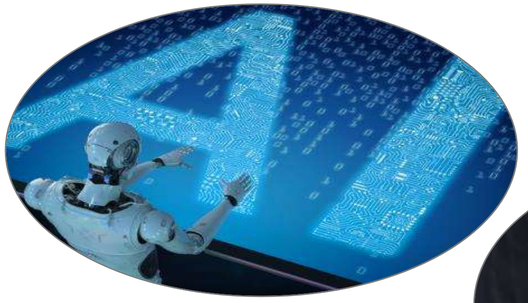
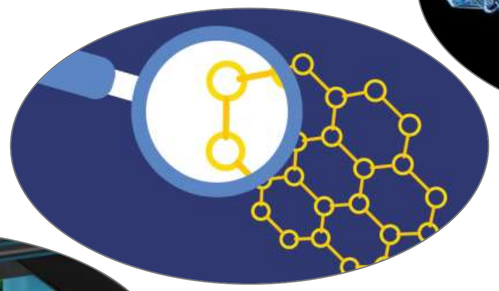
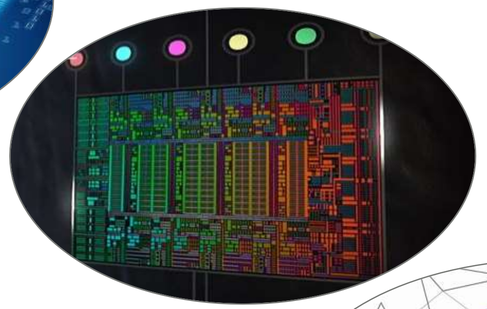
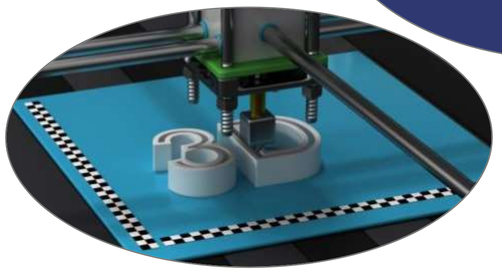
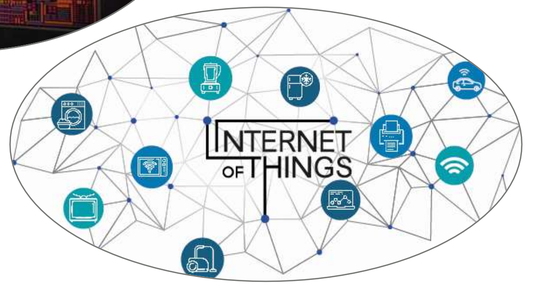




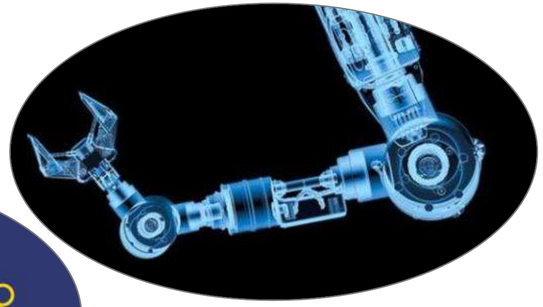


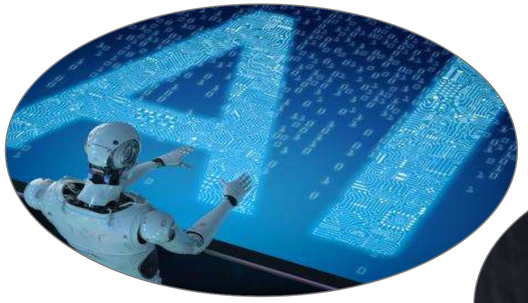


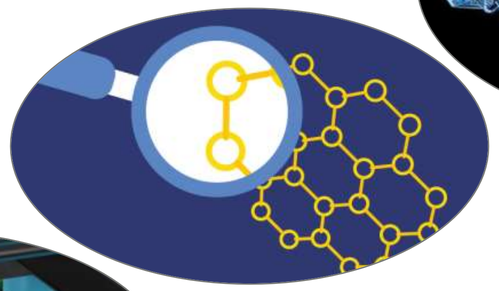
3-D Printing

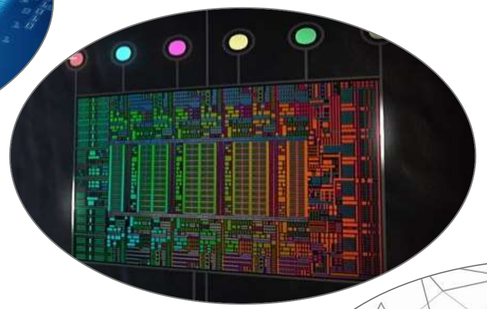







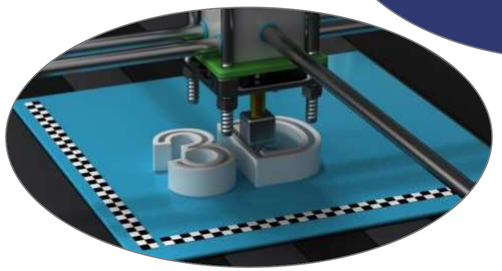
Autonomous & Connected Vehicles

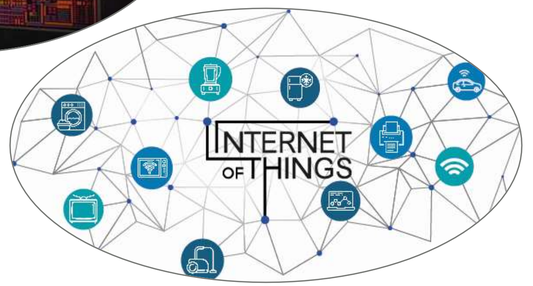




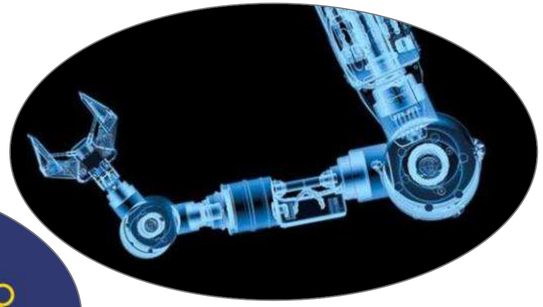


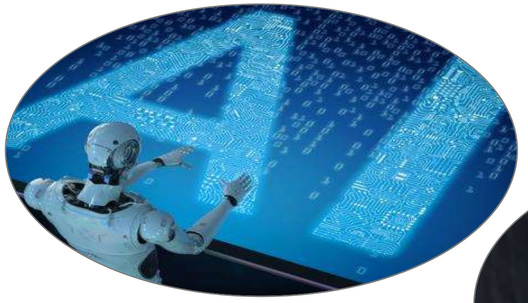


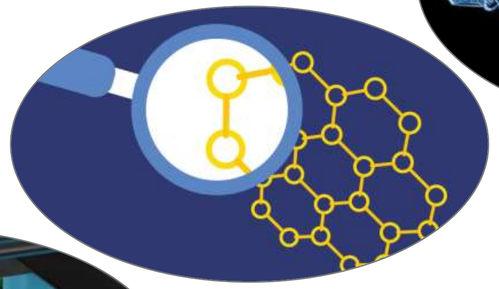


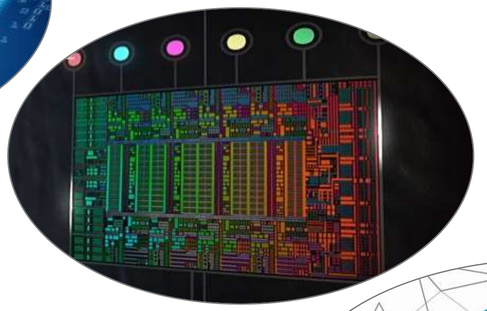


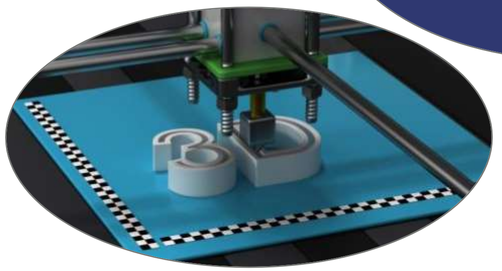
UAV (Drones) Unmanned Aerial Vehicles

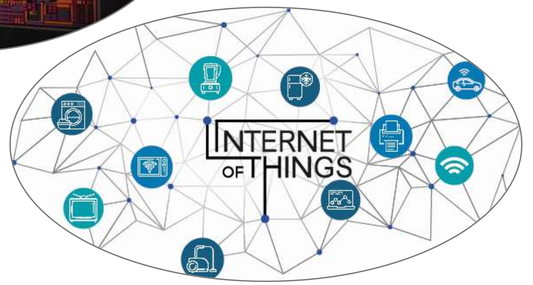




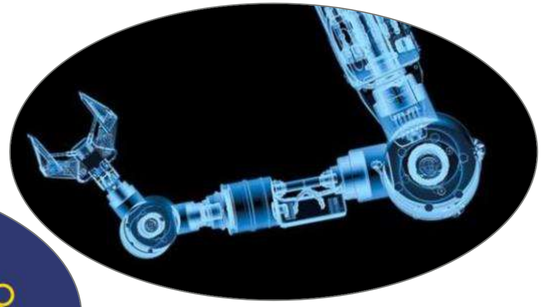


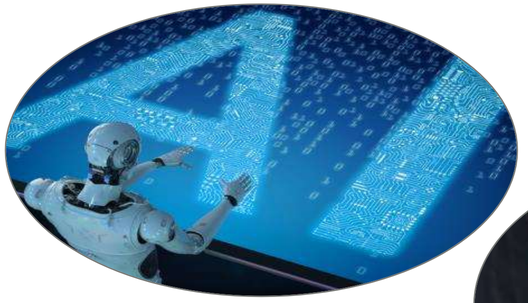


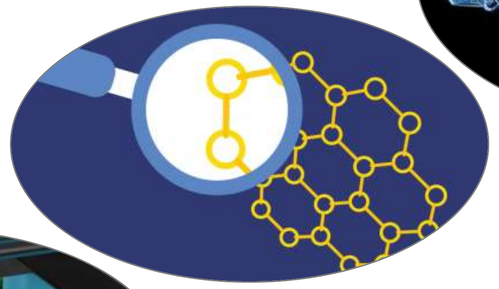


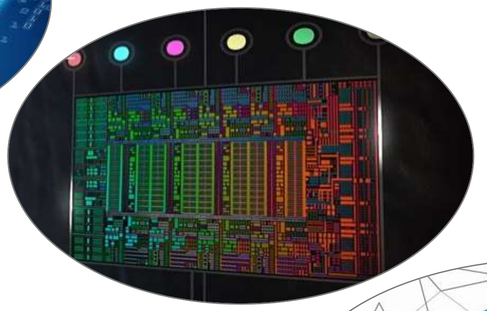


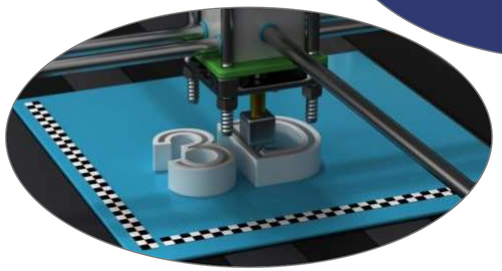
Virtual Reality

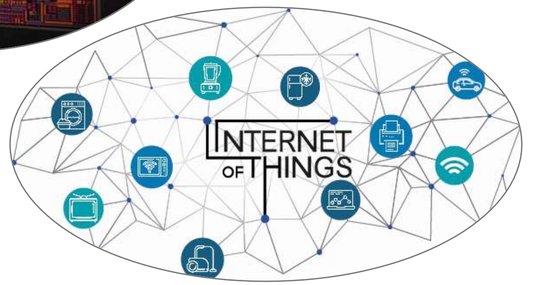




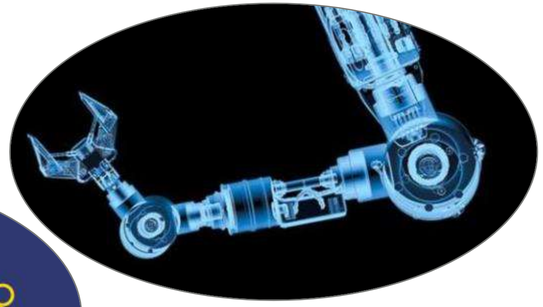
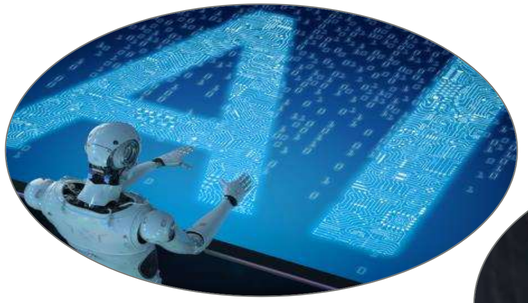
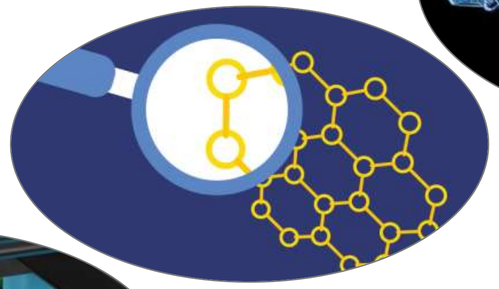
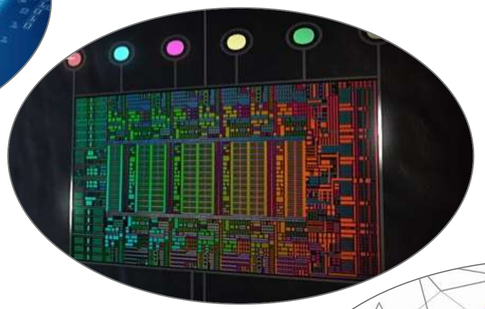
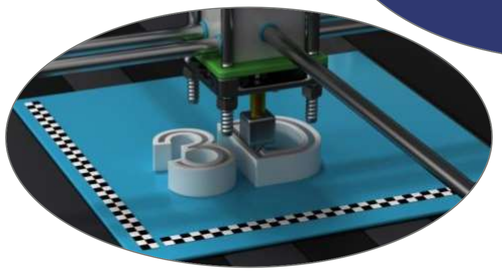
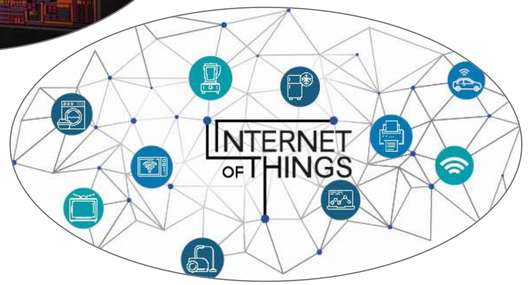




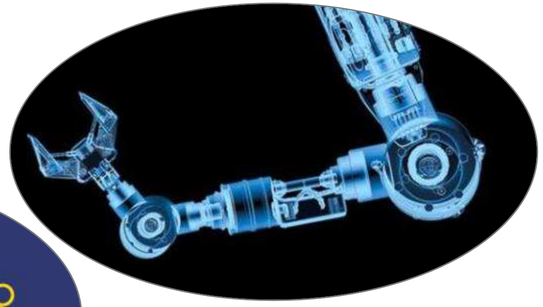
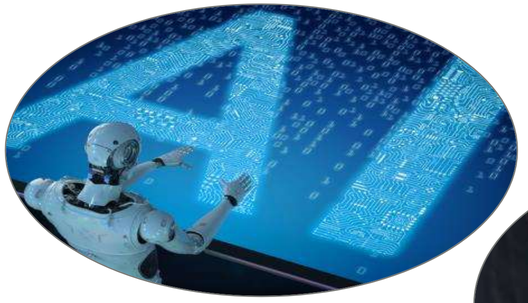
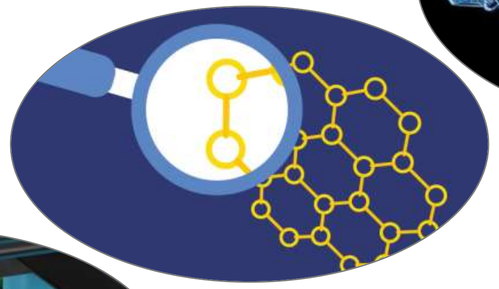
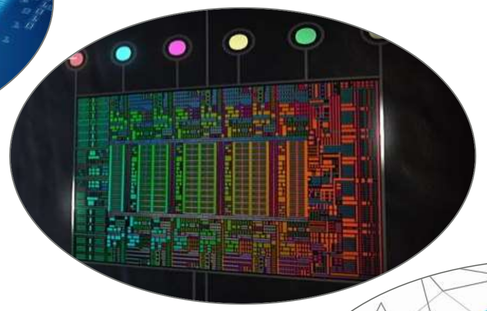
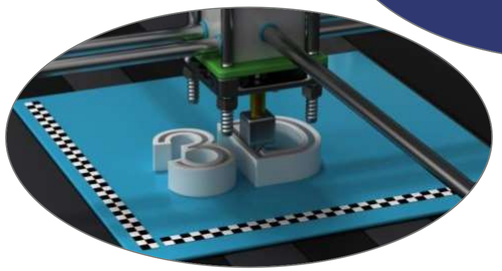
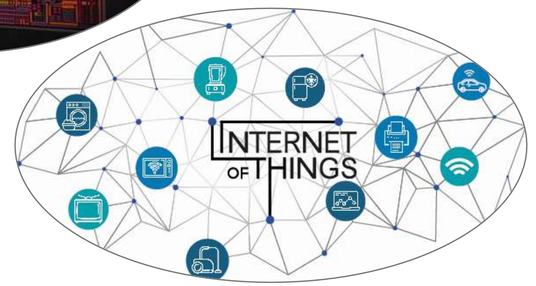




Augmented Reality

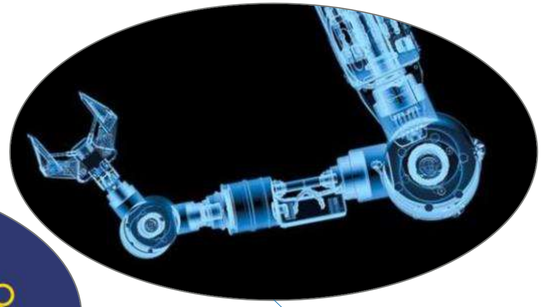
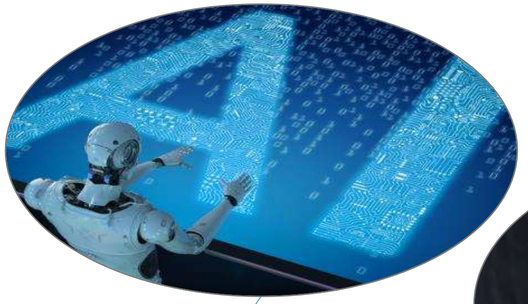
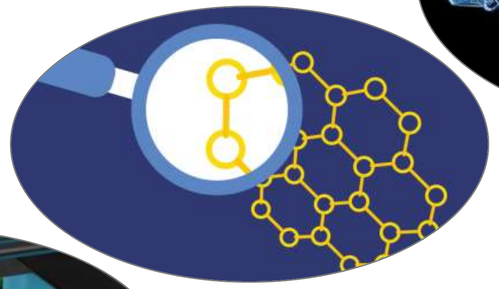
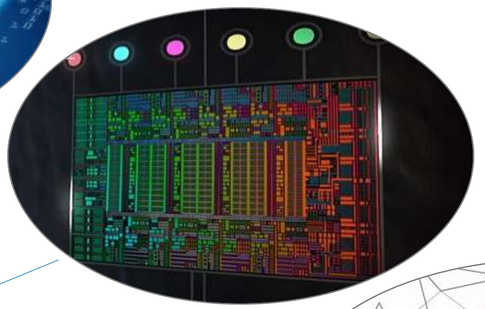
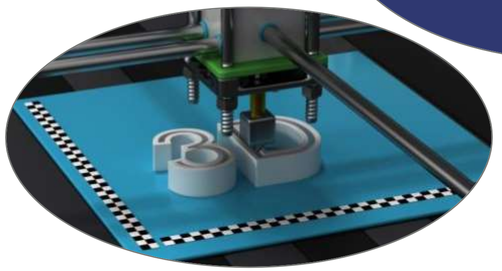
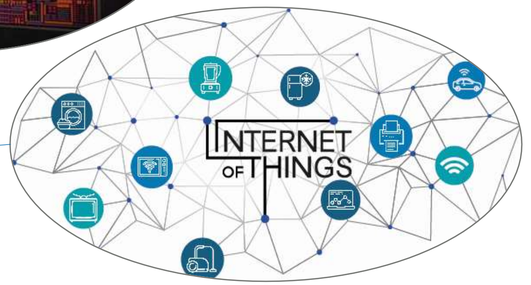







Sharing Economy & Online Freelance Marketplace

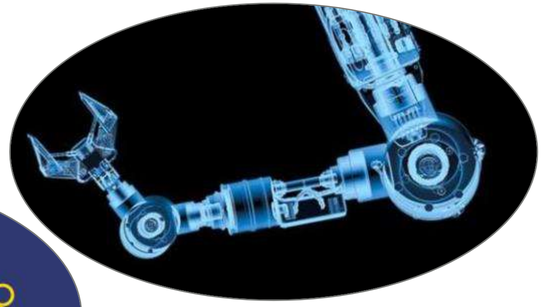
Cashless Society & Blockchain Technology

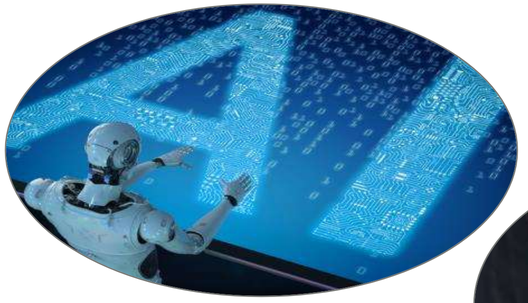
So What?

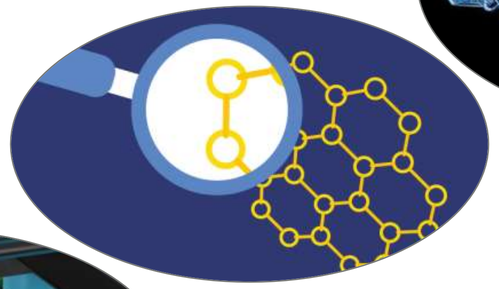







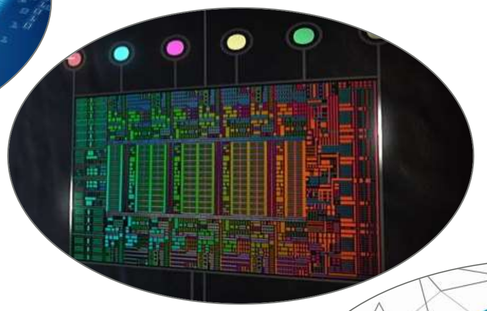
Displacement

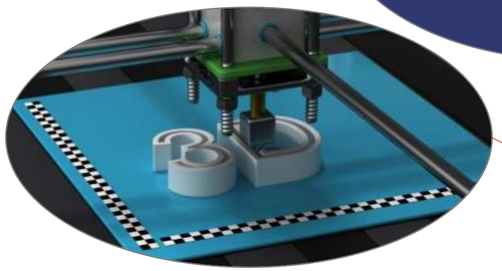
Dis-Placement

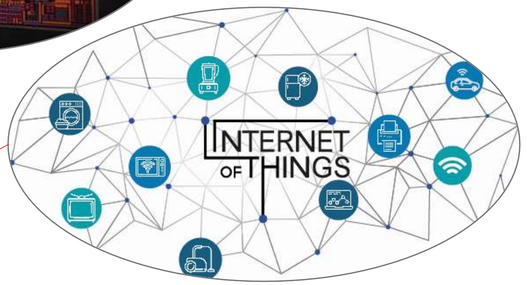




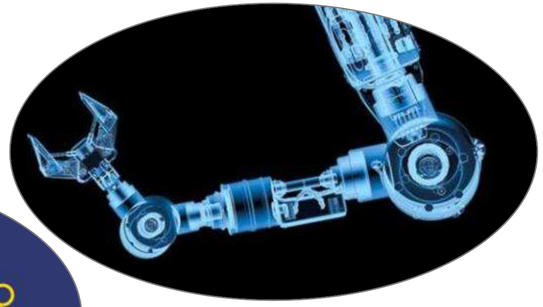


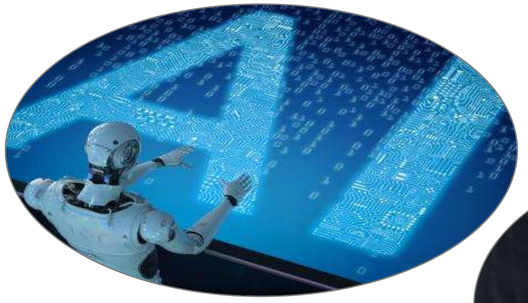


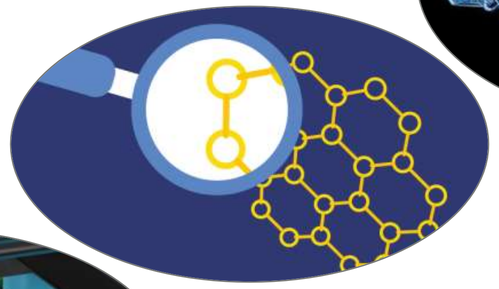


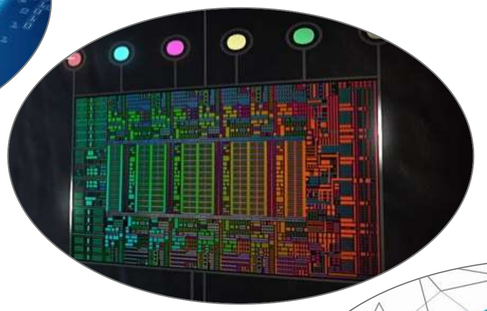


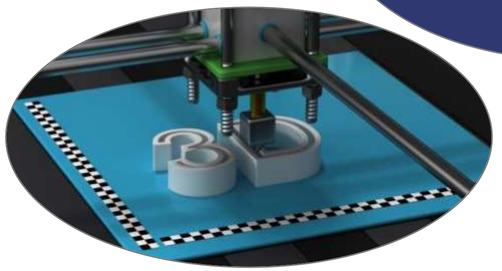
Participation

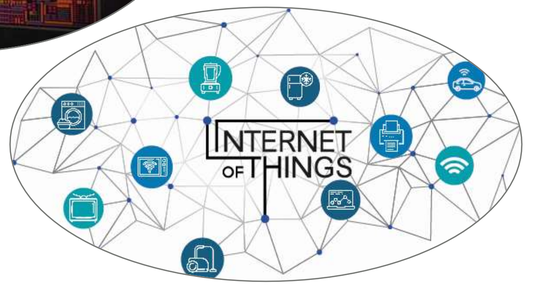




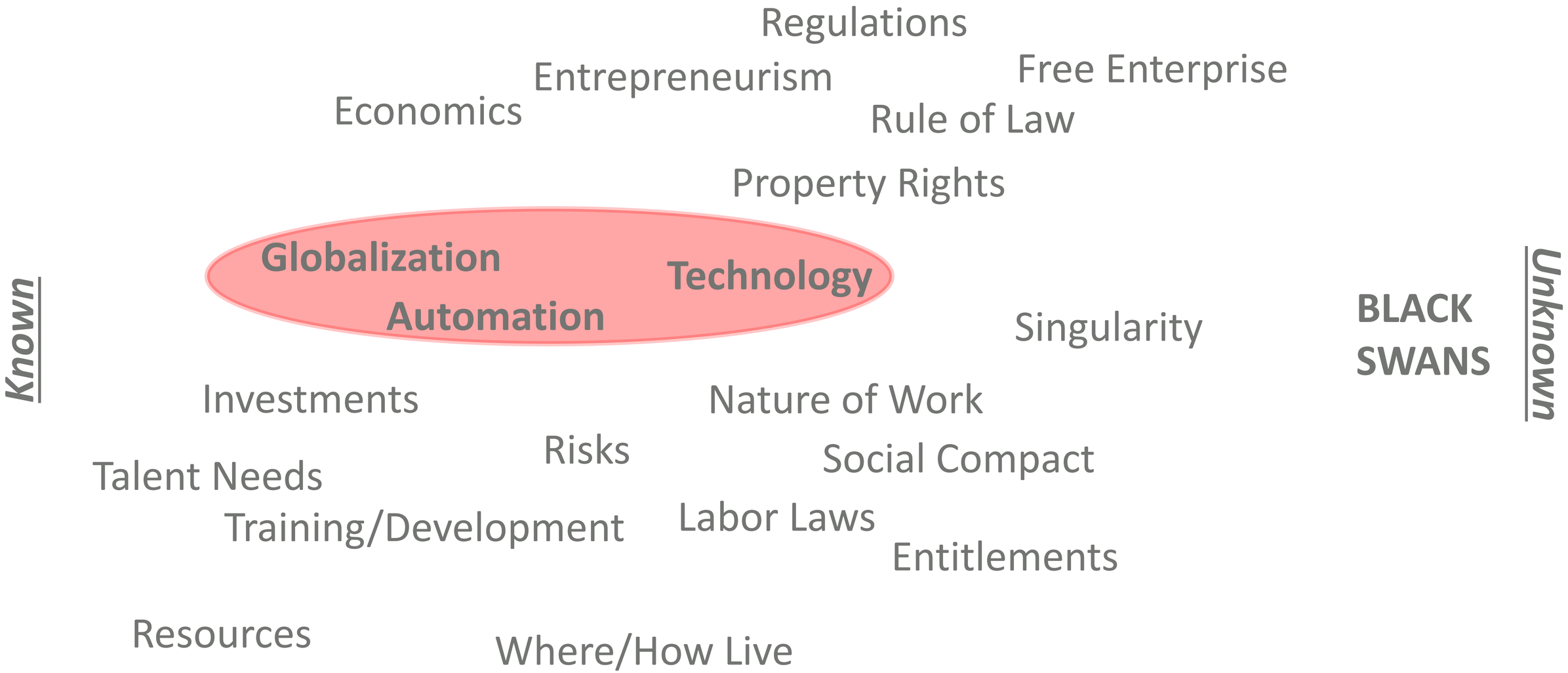








Technology Fueled Disruption Ahead



To Support Economic & Community Development…

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Conditions for Employment

To Support Economic & Community Development…

- ✓ Conditions for Employment

Fundamentals for Competition

To Support Economic & Community Development…

- ✓ Conditions for Employment
- ✓ Fundamentals for Competition
- Capacity for Continuous Improvement

To Support Economic & Community Development…

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- ✓ Fundamentals for Competition
- ✓ Capacity for Continuous Improvement

Address Universal Basics

To Support Economic & Community Development…

- ✓ Conditions for Employment
- ✓ Fundamentals for Competition
- ✓ Capacity for Continuous Improvement
- ✓ Address Universal Basics

DO MORE, FOR MORE

To Support Economic & Community Development…

- ✓ Conditions for Employment
- ✓ Fundamentals for Competition
- ✓ Capacity for Continuous Improvement
- ✓ Address Universal Basics
- ✓ DO MORE, FOR MORE

The greatest technology of all…

Reflection
Discussion
Action
Tony@AbleTrust.org
@WhatTonyCs
#IsFLReady
#FL2030