



## Who am I?

Prof. Dr. Bob de Wit



## What do I do?

- Inspirational speaker *on the digital revolution*
- Director, *Strategy Works / Strategy Academy*
- Professor, *Nyenrode Business University*
- Author of international bestsellers



## How to reach me?

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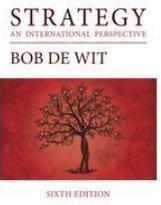


## Recent publications

Strategy: An International Perspective (6<sup>th</sup> edition, 2017)  
Strategy Synthesis (5<sup>th</sup> edition, 2017)

## Bobcasts (produced by Nick and Lorenzo)

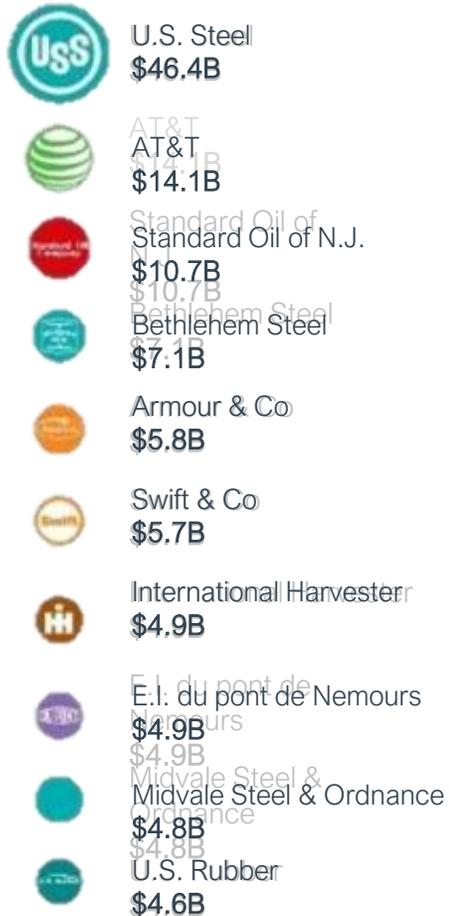
- "We gaan een superelite humanoidras krijgen" 2017
- "Afscheid nemen van een dikke overheid en een dikke markt", met Jeroen den Uyl 2018
- "Op de intensive care van E-Health: het zorgsysteem met zwaar overgewicht", met Leonard Witkamp 2018
- "Van big ideas to giant leaps – creatief denken en ondernemen", met Jenny Elissen 2019
- "Henk Ovink – The Water Guy – de man die Obama aan het polderdenken bracht" 2019
- 'Het flexibele woon-werk-kantoor ('Smart Hubs'), met Ricardo van Loenen 2019
- 'Bunq: Bank of the Free', met Founder / CEO Ali Niknam over hoe 'ziek' de bancaire wereld is 2019



# Characteristics of top 10 companies

1917

Resourcing industrialization  
(Oil, steel, rubber, chemicals, cables)



1967

Industrial applications  
(Cars, camera's, phones, households)



2017

Resourcing digitization  
(Big Data, Artificial Intelligence, VR/AR)

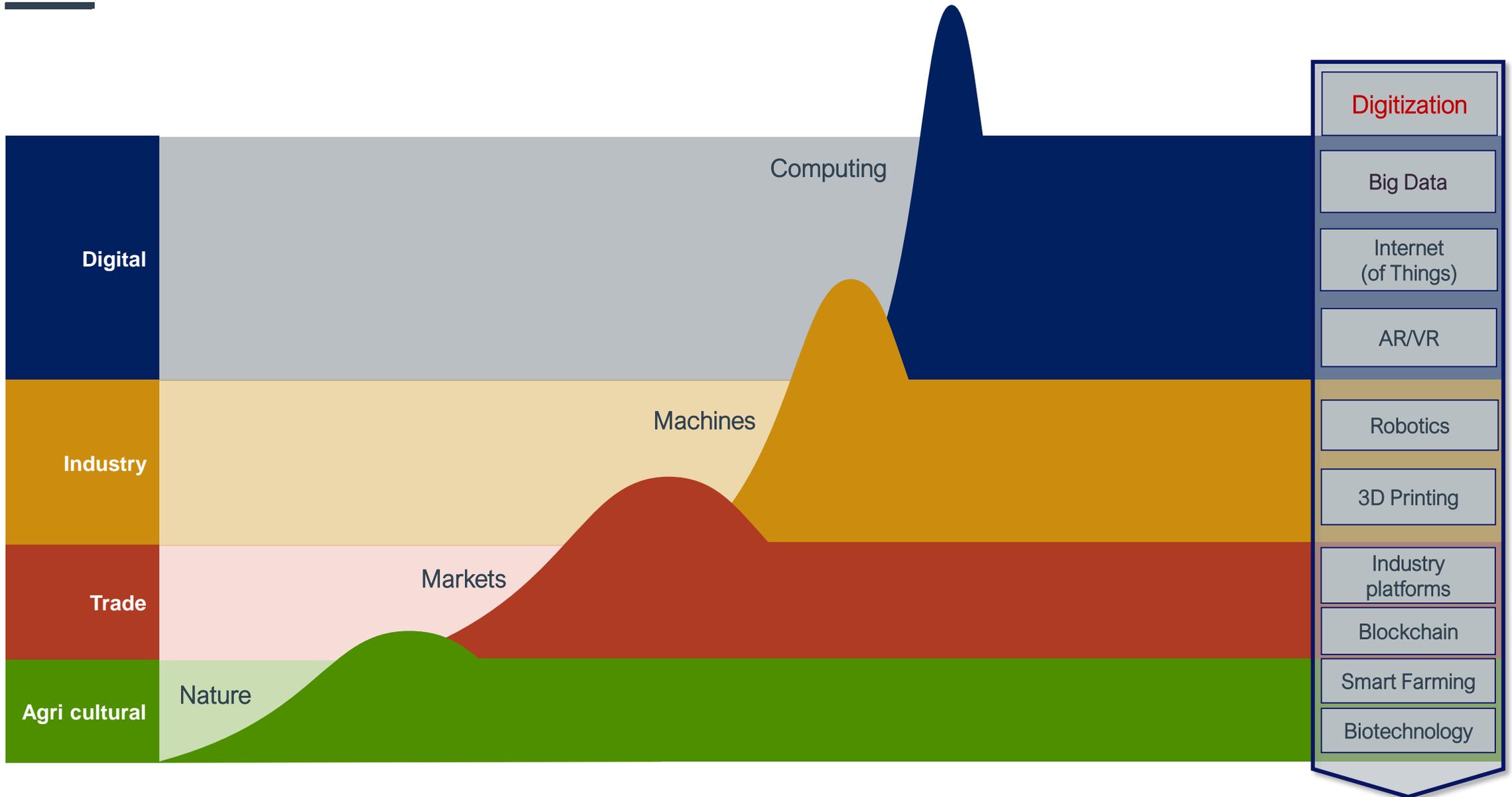


2027

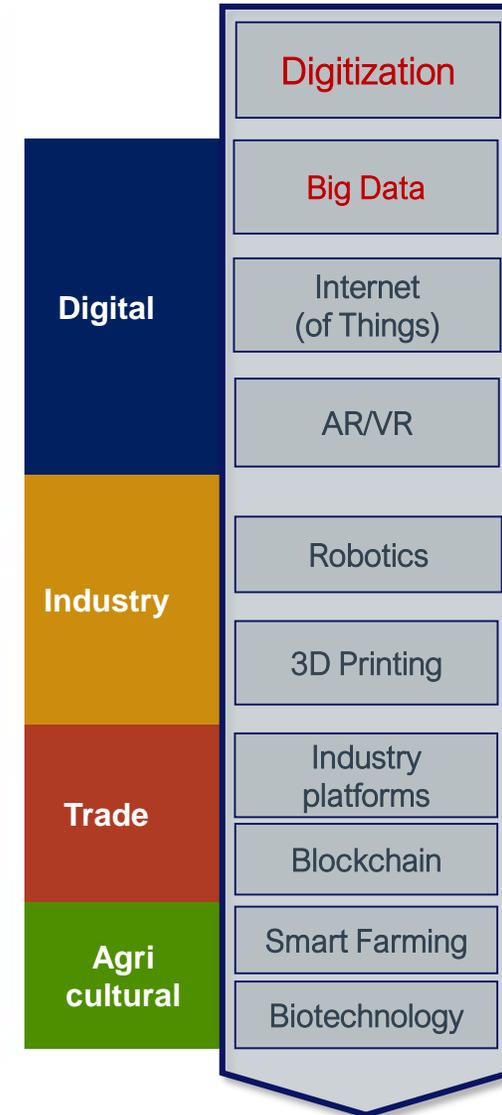
Digital applications  
(Machine learning, Cyborgs?)

We have entered the digital age  
How different will our future be?

# The 'vertical' impact of the digital wave



# Digitization: Big Data



# Digitization: Big Data



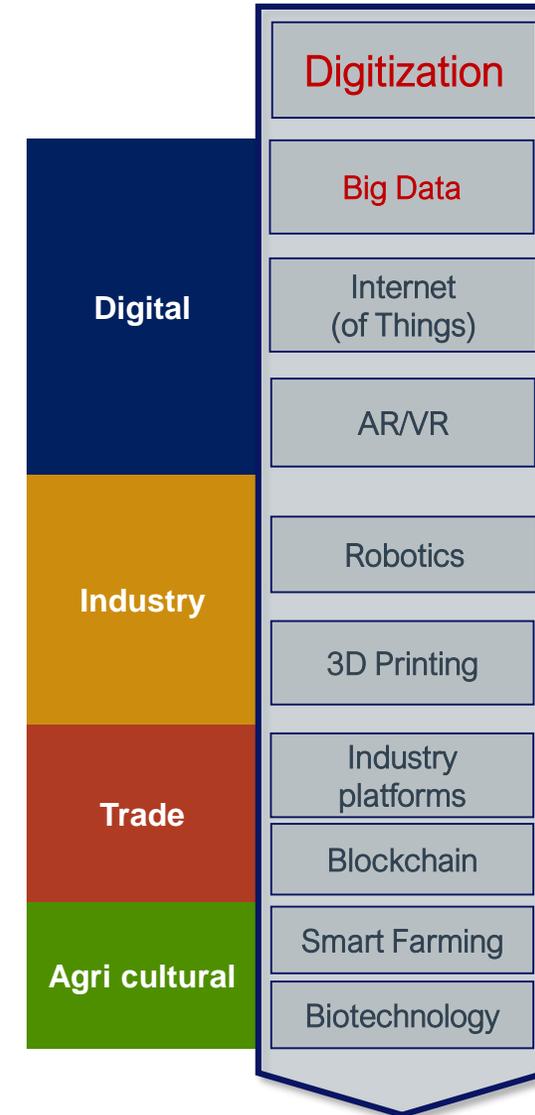
Clustering data to sell personalized ads



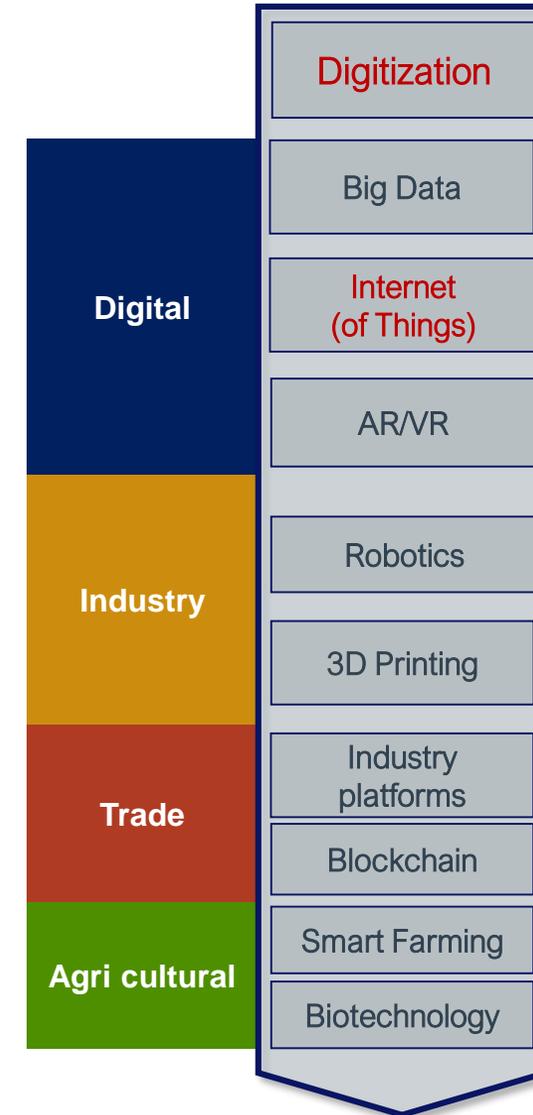
Analysing risks to price health care insurance



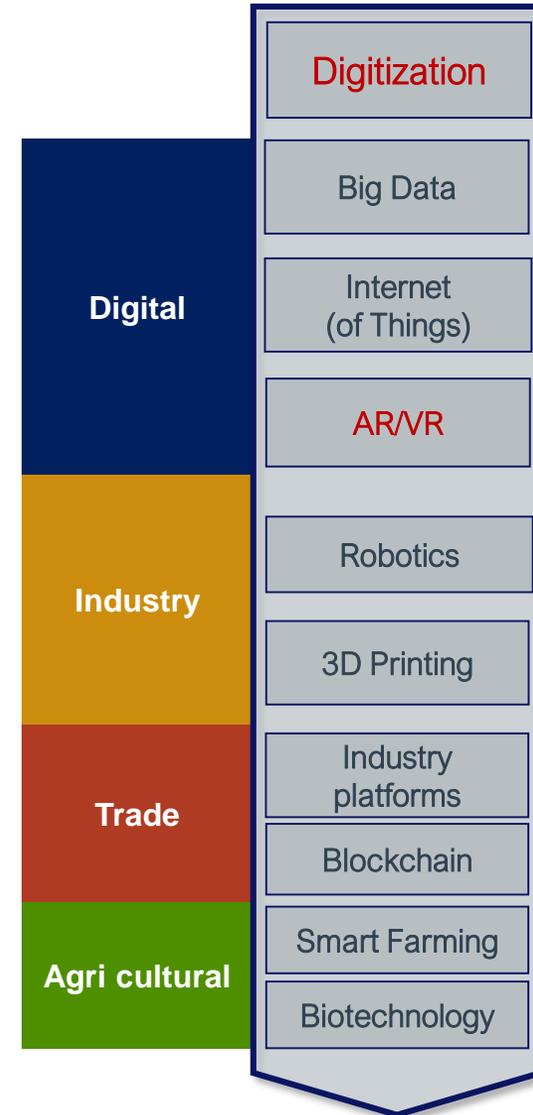
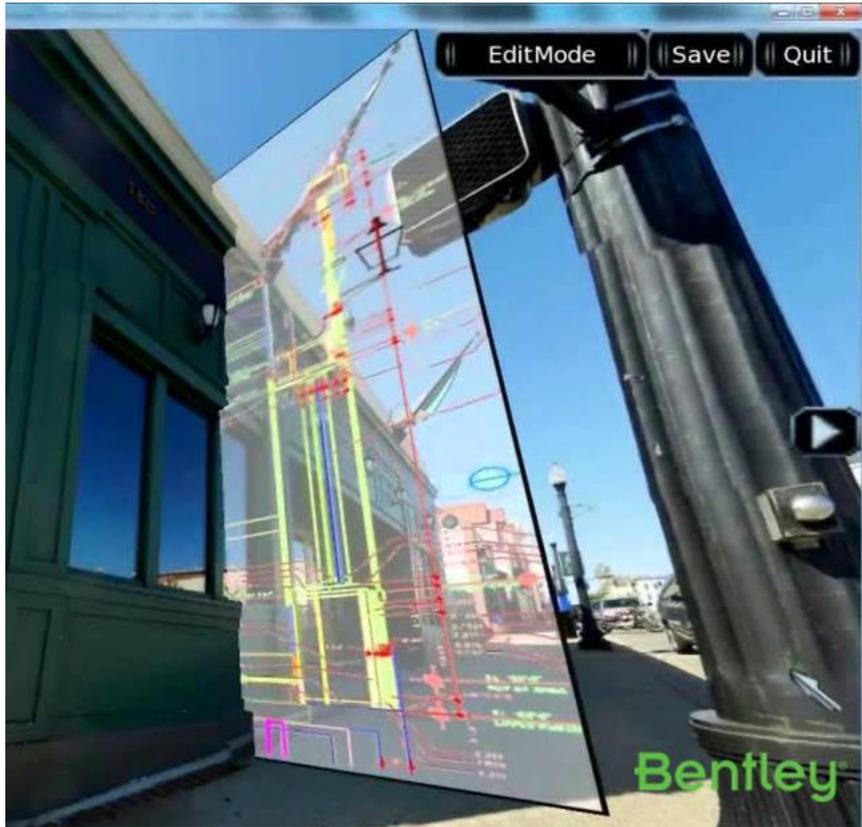
Optimizing stock & supply chain to increase efficiency and lower costs



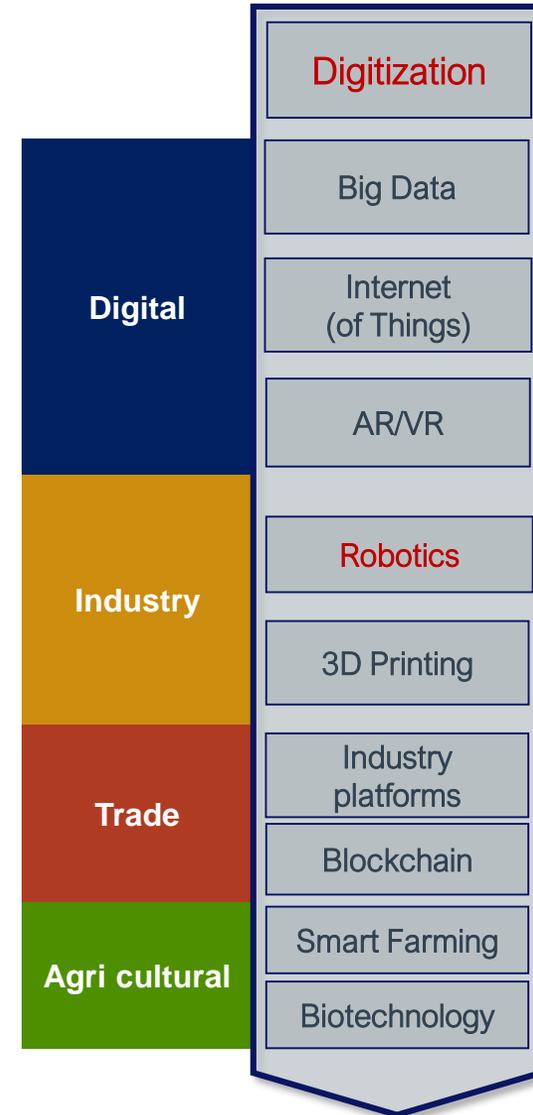
# Digitization: Internet (of Things)



# Digitization: Virtual & Augmented reality



# Digitization & Machines: Robotics

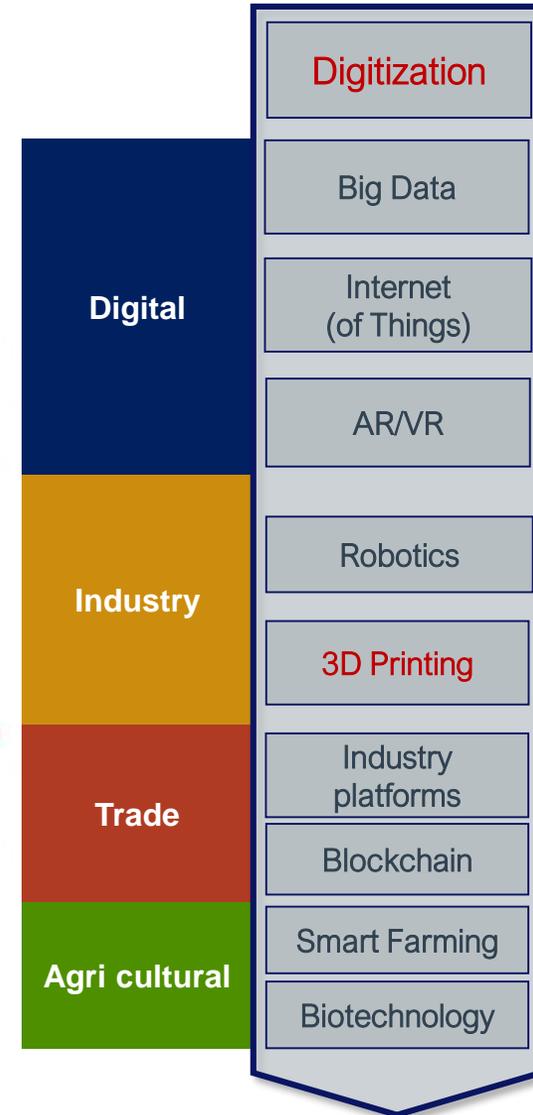
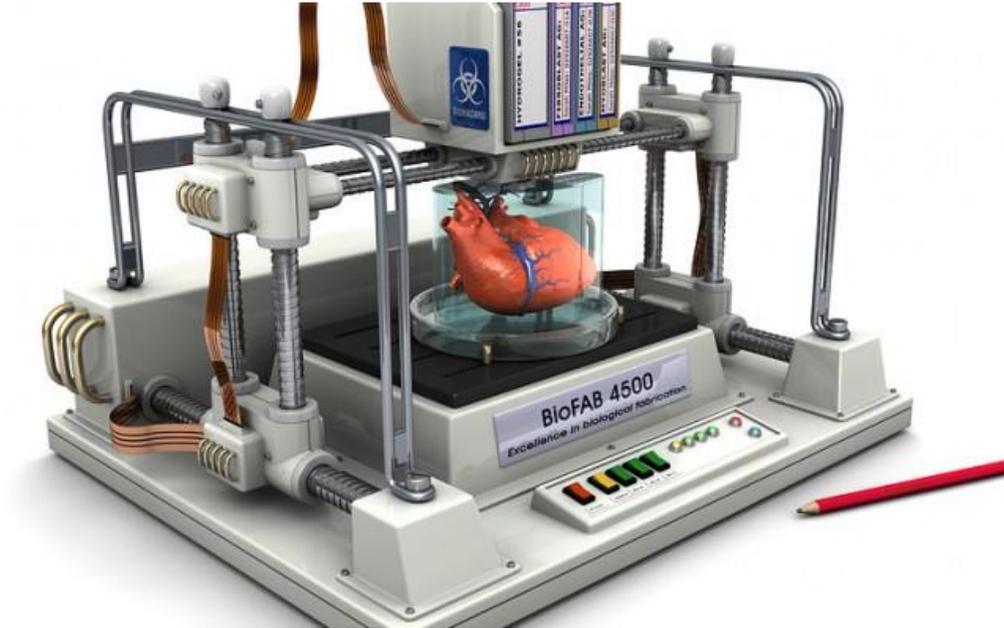


# Digitization & Machines: 3D printing

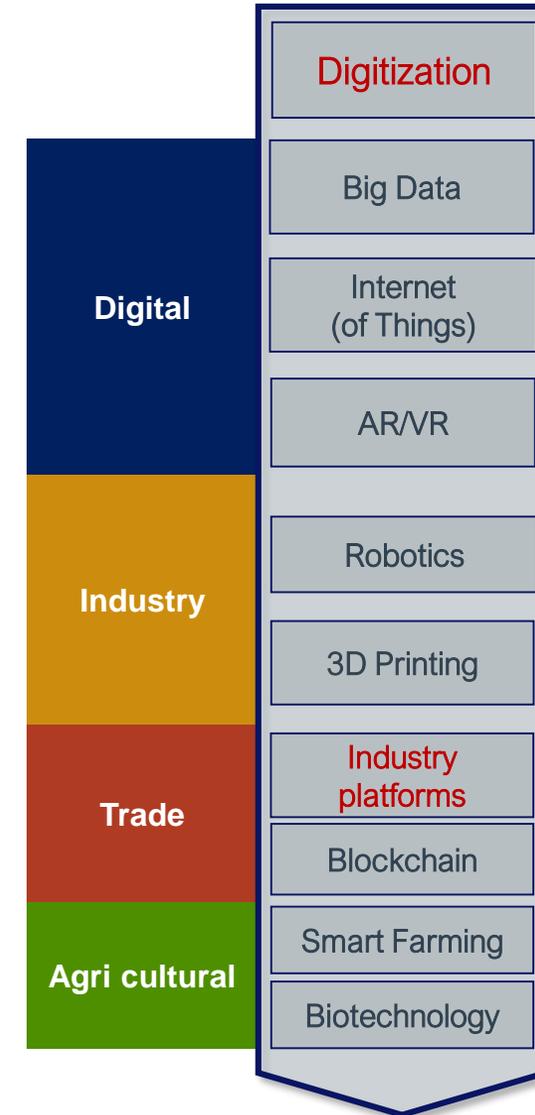
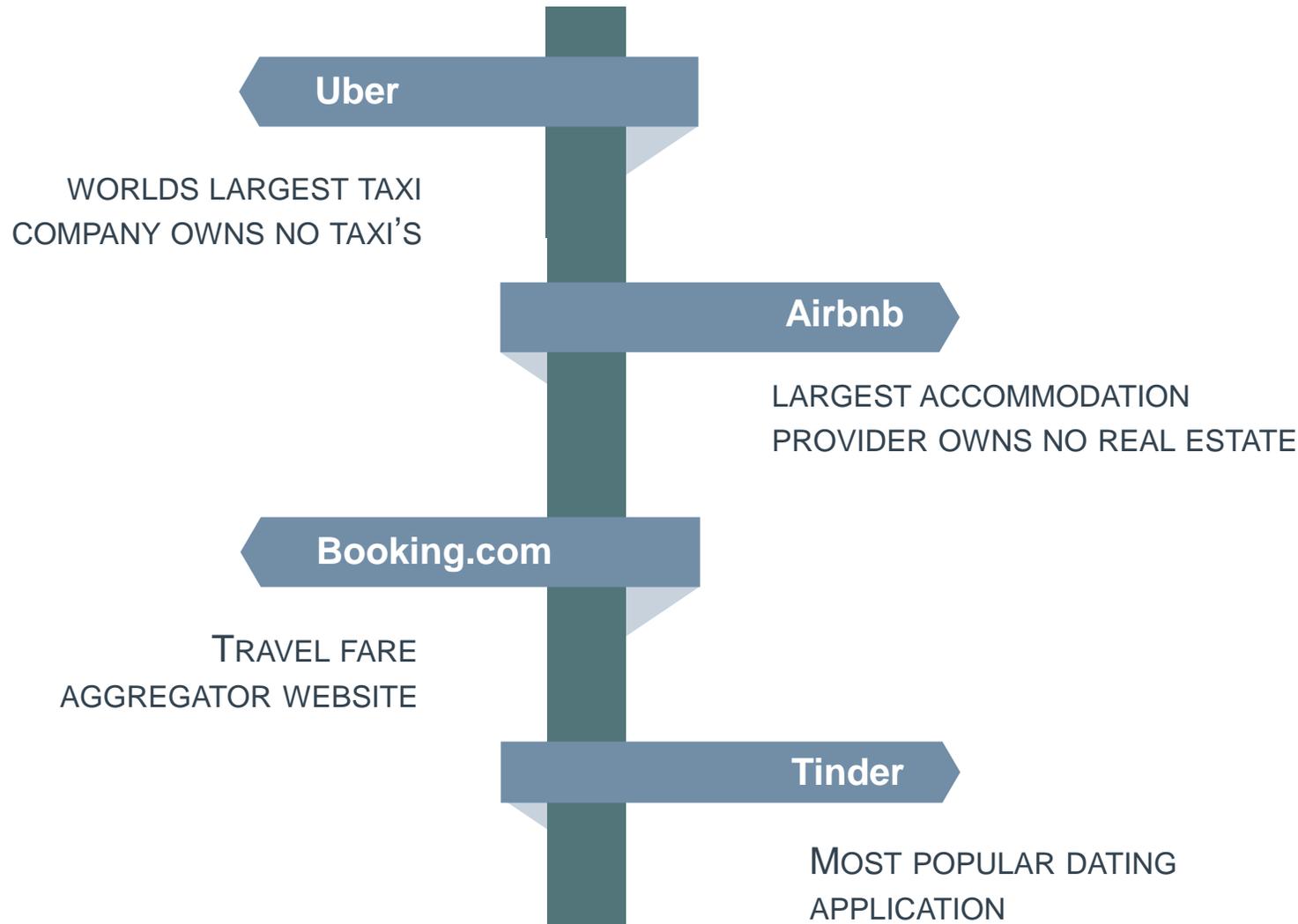
Offshore printing



Organ printing

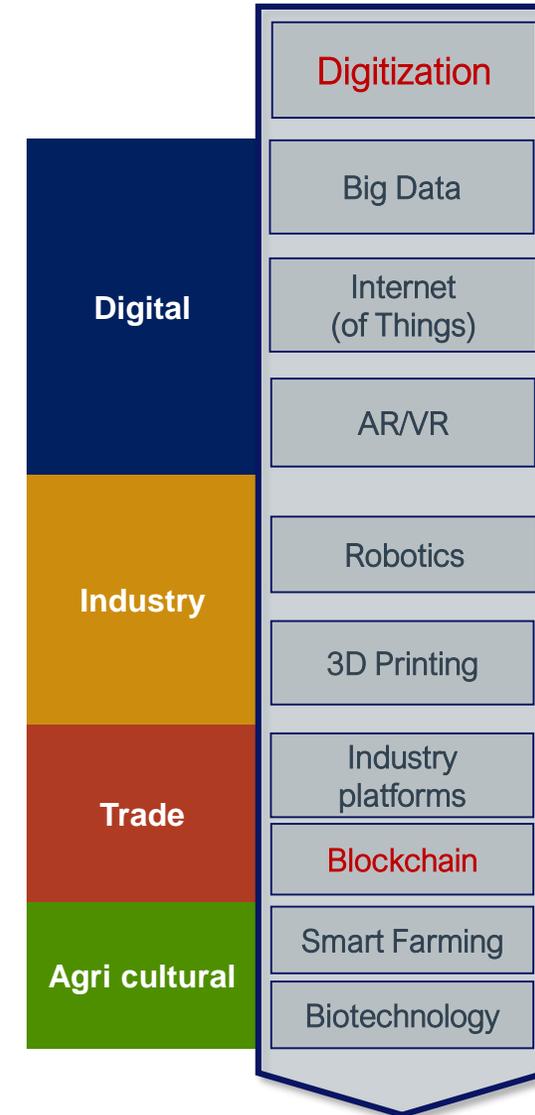
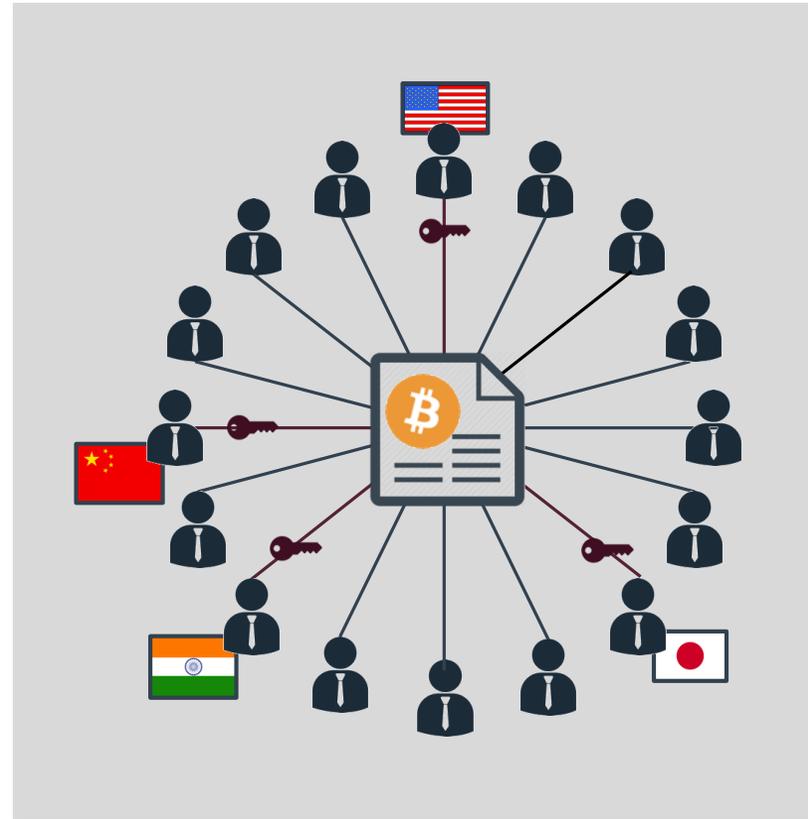
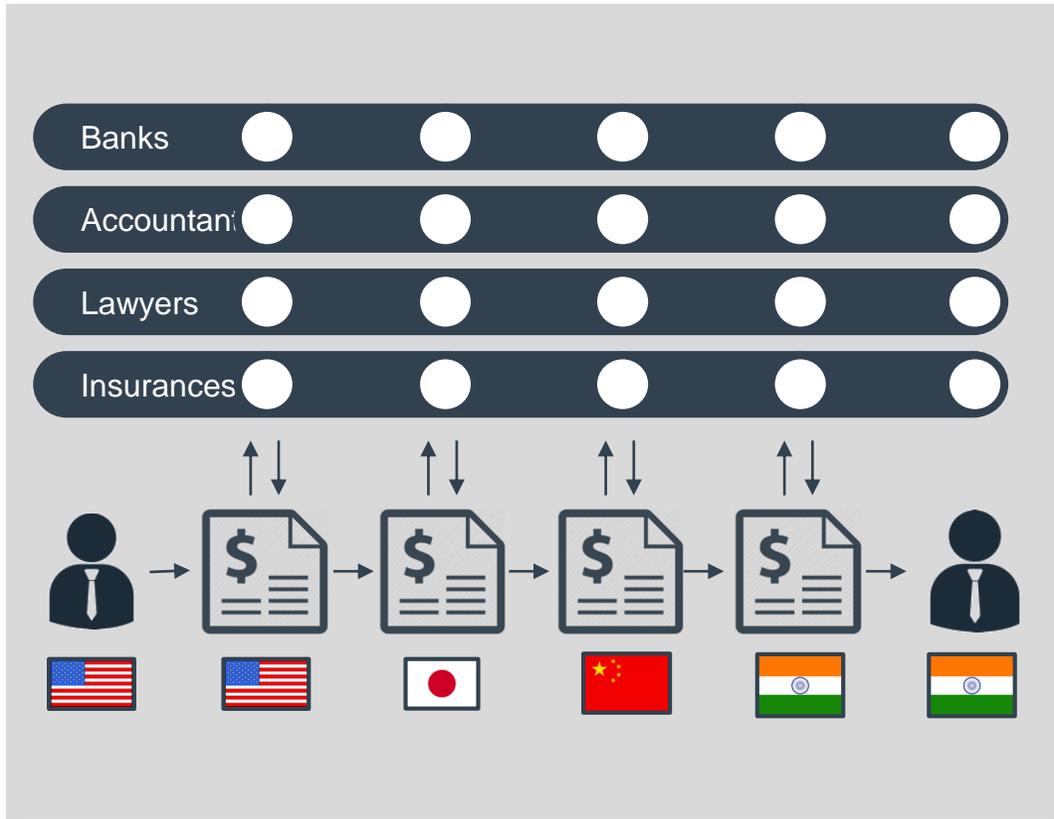


# Digitization & Markets: Industry platforms



# Digitization & Markets: The Blockchain

## Overhead reduction and crypto value transactions



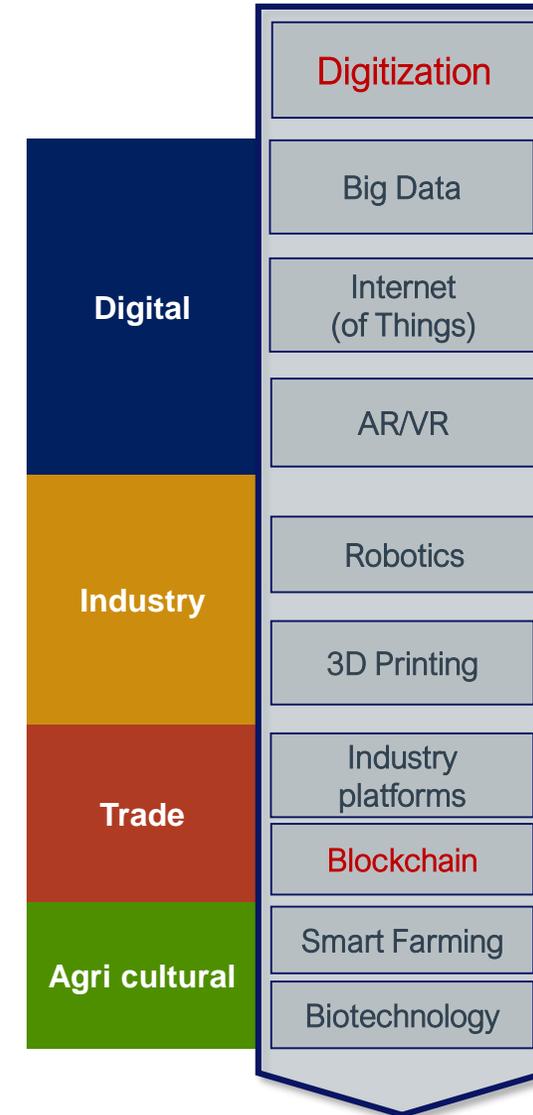
# Digitization & Markets: The Blockchain

## Decentralized buying and selling of electricity



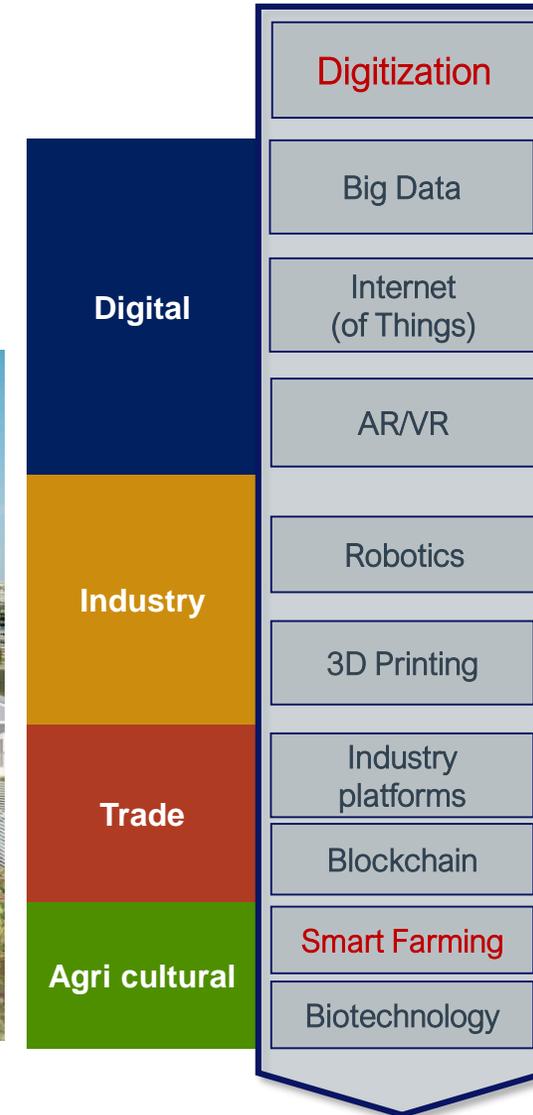
Electricity generated by each of the four locations will be initially used within that building. Excess energy can be sold to the others through the trading system.

Image: REUTERS/Athit Perawongmetha



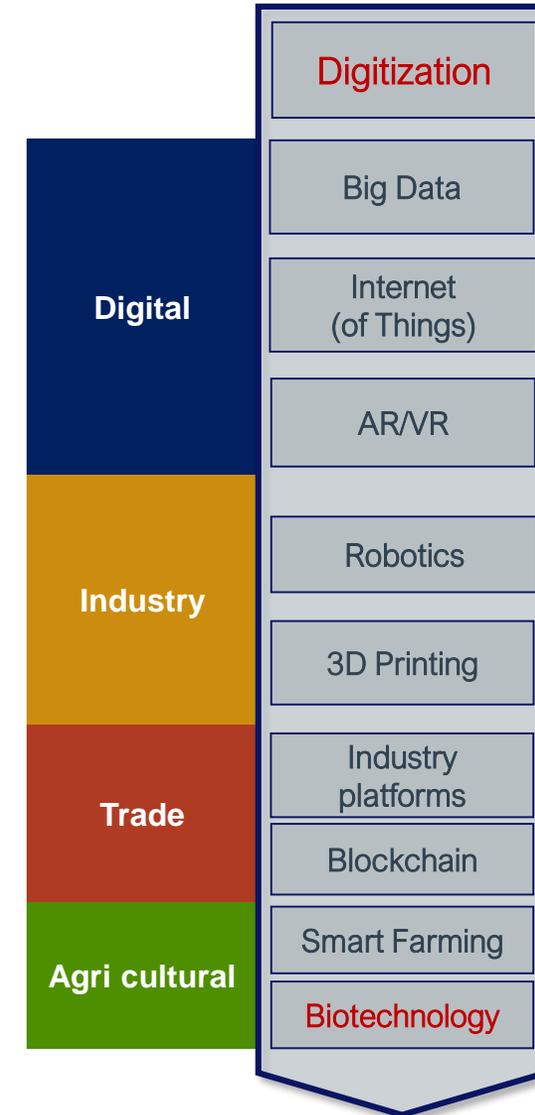
## Digitization & Nature: Smart Farming

“Precision agriculture allows plants and animals to get treatment with great accuracy per square meter or even per plant, by using GPS, sensor technology, ICT and robotics”

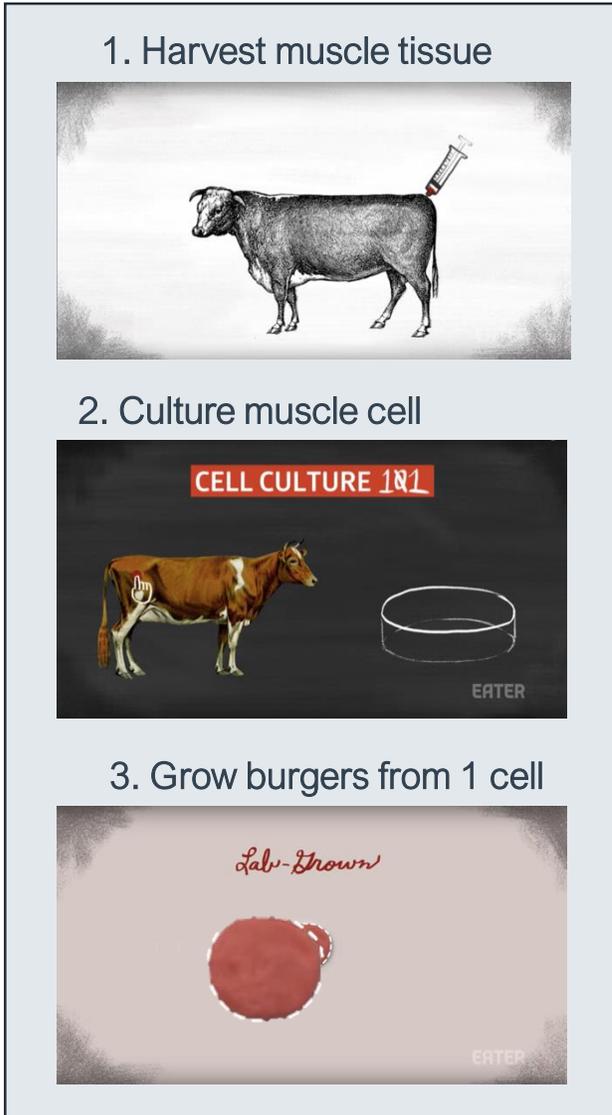


# Digitization & Nature: Biotechnology

“Manipulation (through genetic engineering) of living organisms or their components.”



# Digitization & Nature: Bio technology



Cheaper



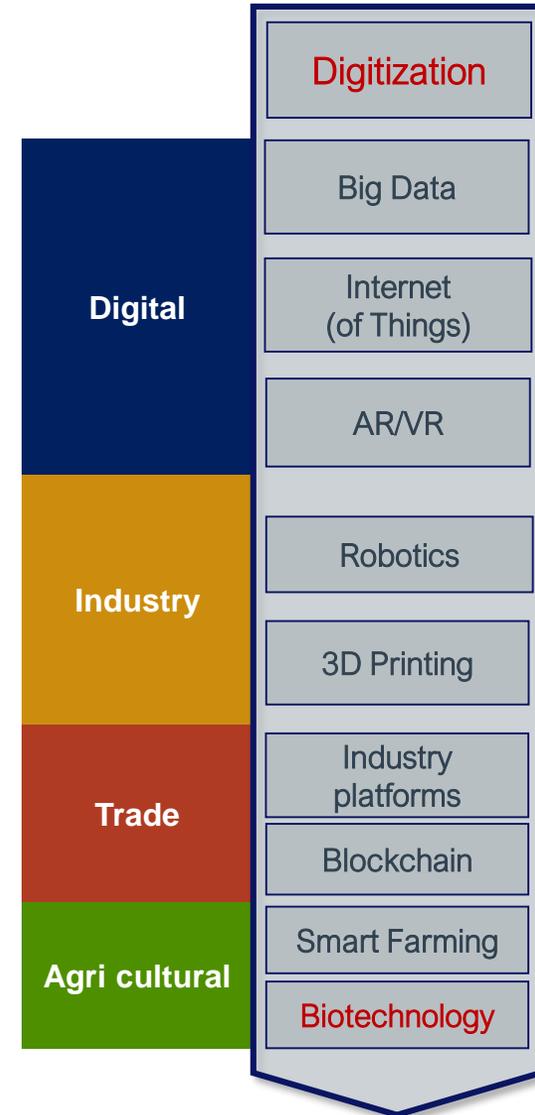
Faster



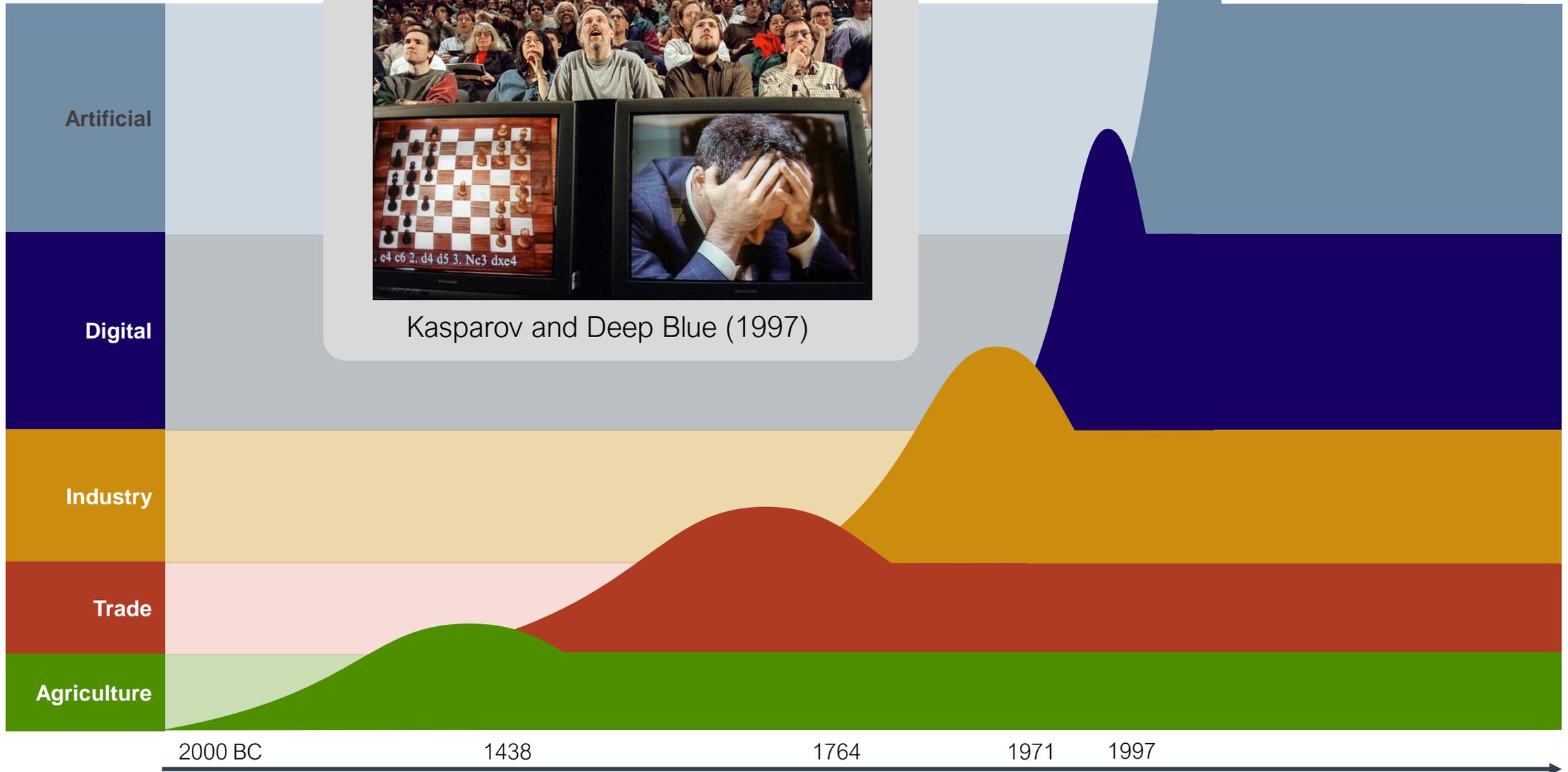
More environmental friendly



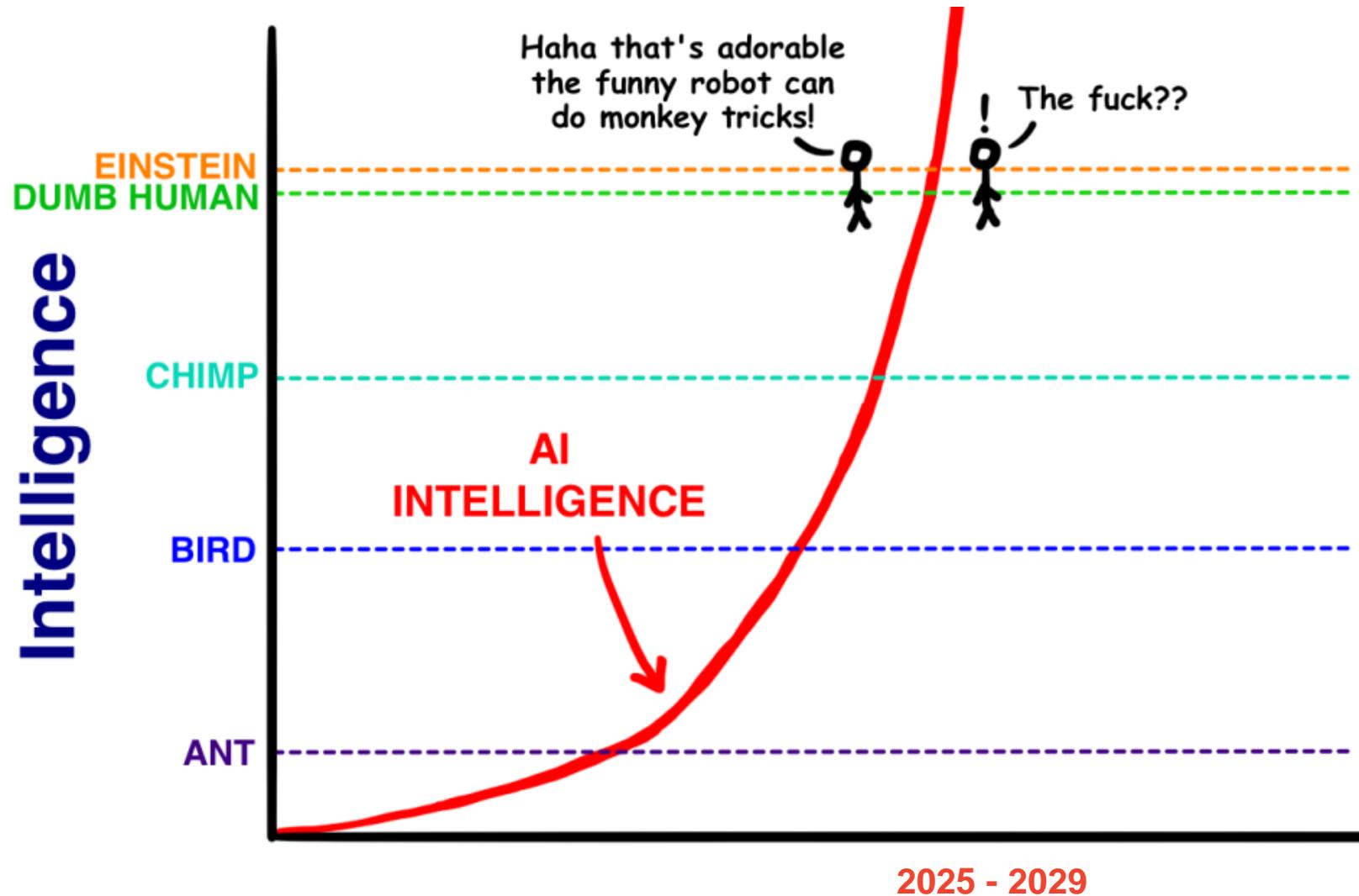
Safer



# A fifth wave



# Artificial intelligence: a realistic view



## Artificial intelligence: “By 2029, AI will have human-level intelligence”



“2029 is the consistent date I have predicted for when an AI will pass a valid Turing test and therefore achieve human levels of intelligence. I have set the date 2045 for the ‘Singularity’ which is when we will multiply our effective intelligence a billion fold by merging with the intelligence we have created.”

## Artificial intelligence 2019: Fake Linked Profile Katie Jones



Raphael Satter @ RightsCon 

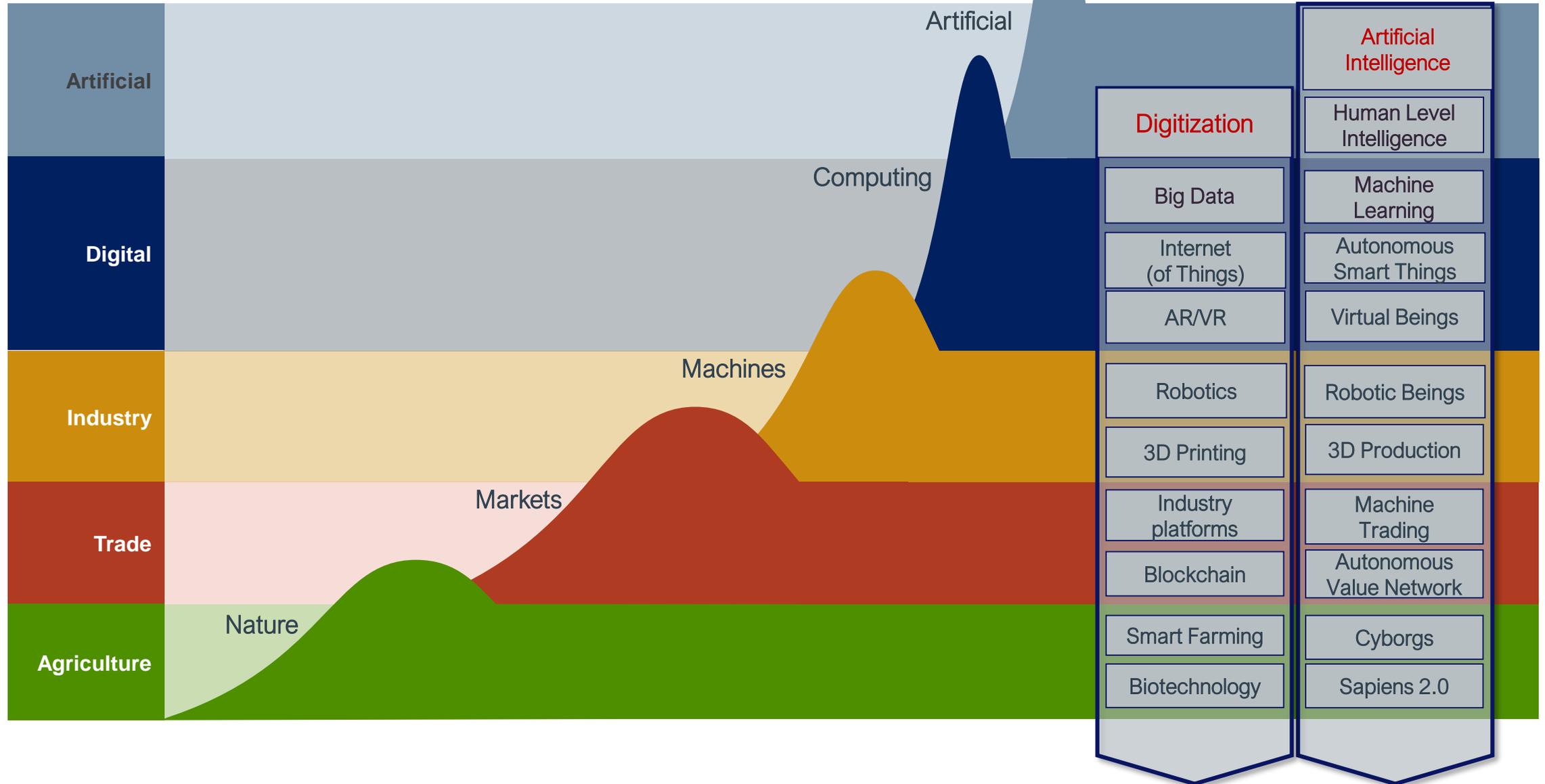
@razhael

Last month I my attention was drawn to something suspicious: A fake LinkedIn profile connecting to Washington think tank types and senior US officials.

Even weirder: Her face itself appeared to be fake.  
[apnews.com/bc2f19097a4c4f...](https://apnews.com/bc2f19097a4c4f...)

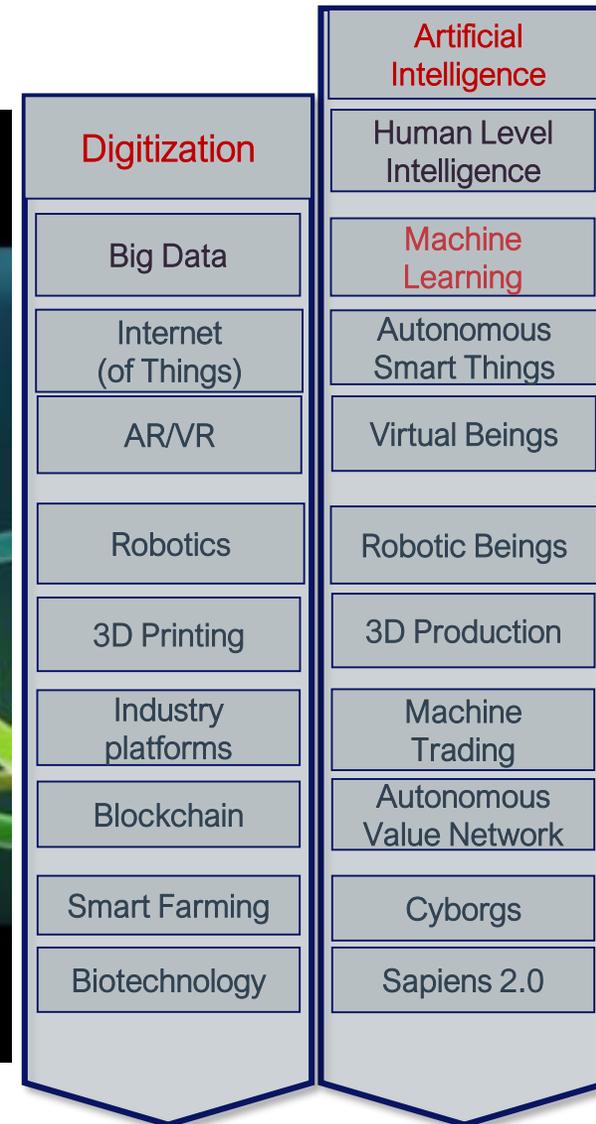
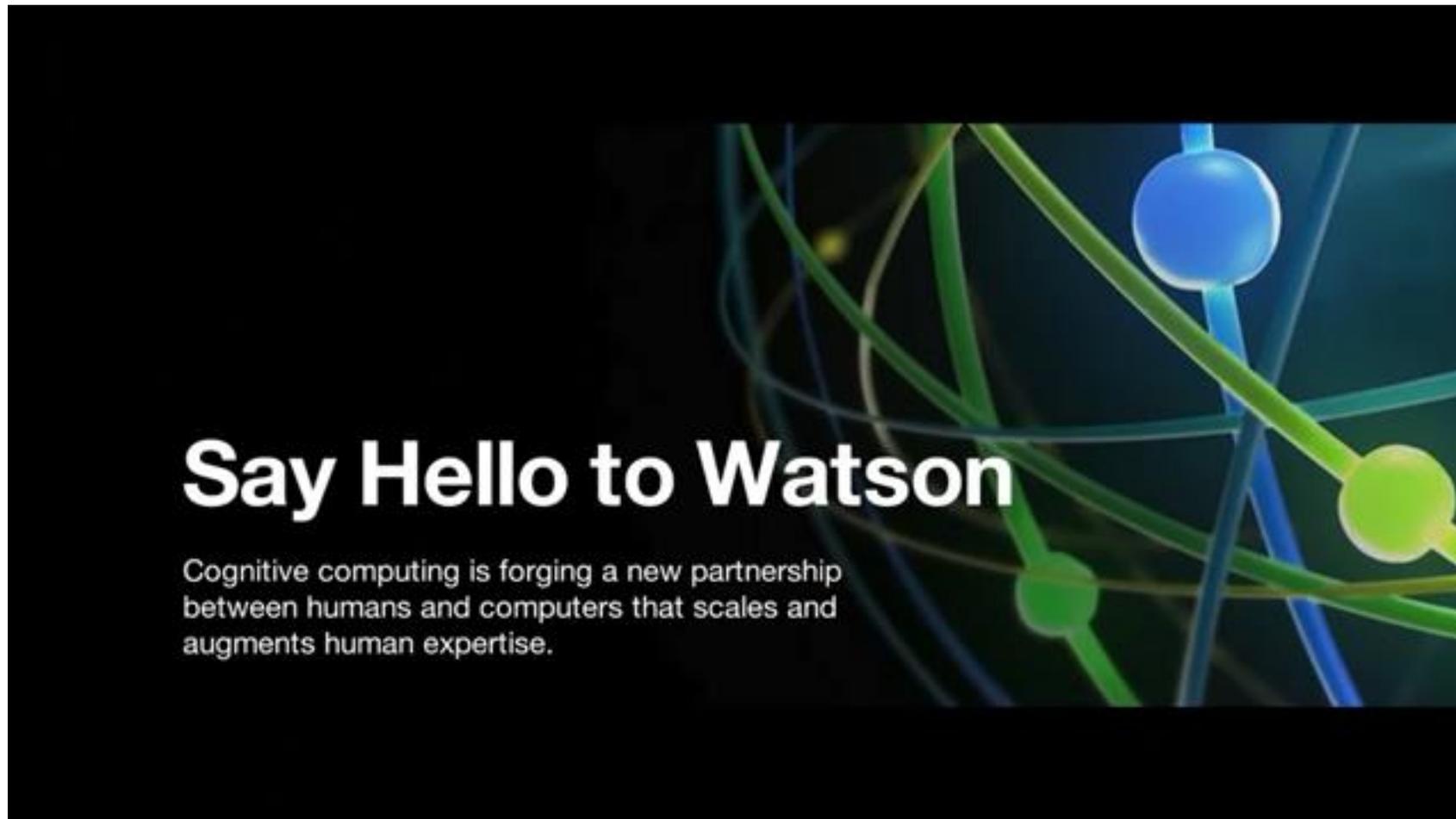


# A fifth wave



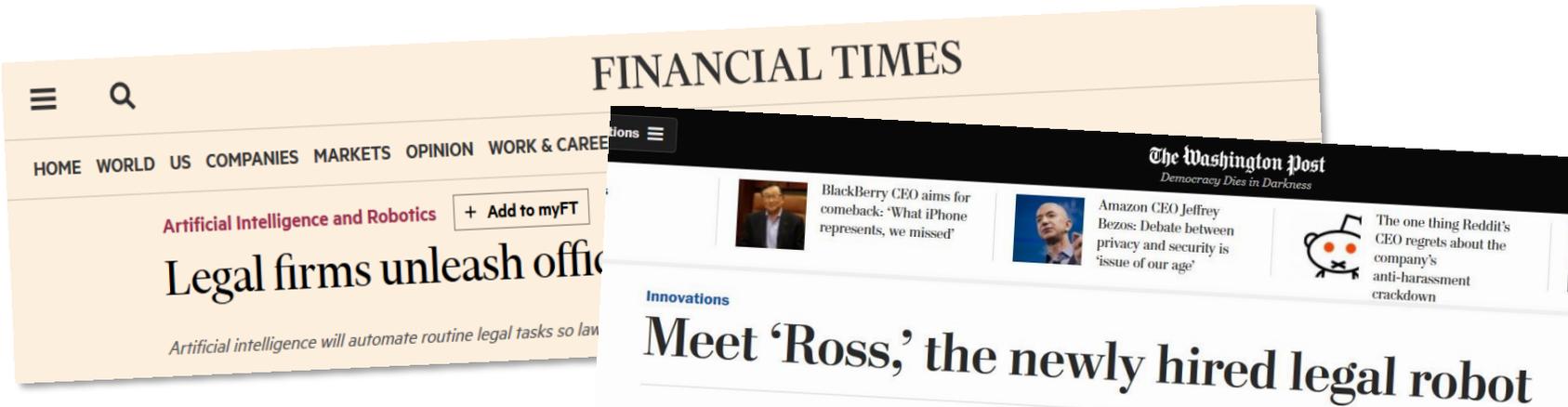
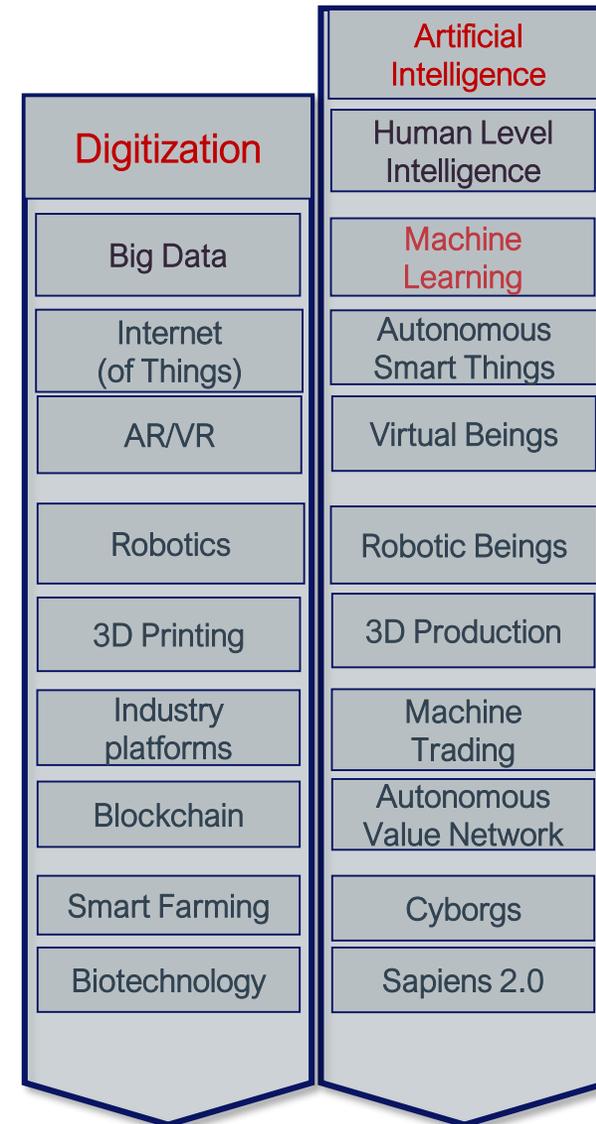
# Artificial Intelligence & Computing: Machine learning

## IBM's Watson



# Artificial Intelligence & Computing: Machine learning

## Meet AI lawyer ROSS



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### Your AI lawyer will see you now: IBM's ROSS becomes world's first artificially intelligent attorney

- The ROSS platform is built on IBM's Watson cognitive computer
- Lawyers ask questions in natural language and get relevant answers
- IBM is teaching ROSS other areas of law to expand system into all firms

By STACY LIBERATORE FOR DAILYMAIL.COM  
 PUBLISHED: 00:02 GMT, 14 May 2016 | UPDATED: 18:04 GMT, 16 May 2016

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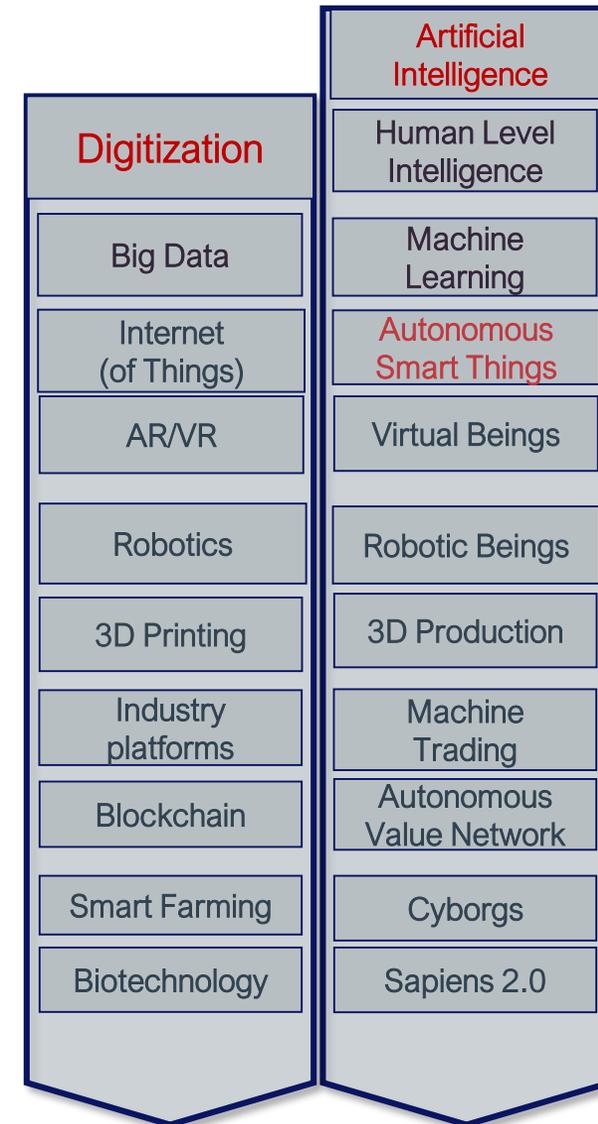
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# Artificial Intelligence & Computing: Autonomous Smart Things

## Autonomous vehicles



# Artificial Intelligence & Computing: Virtual Beings

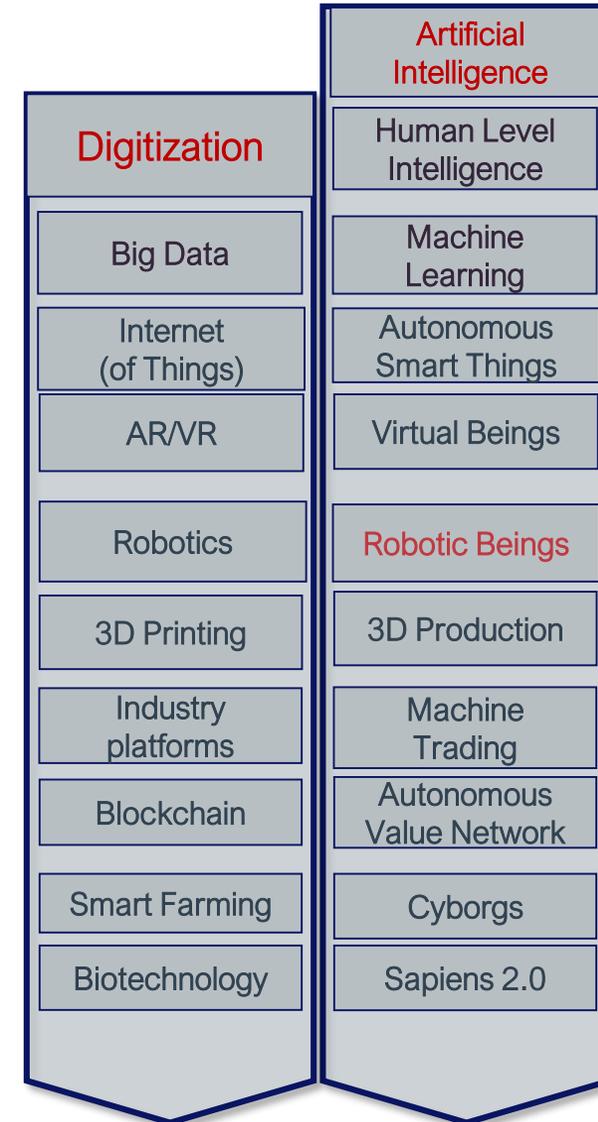
The “world’s first” AI news anchor has gone live in China



	Artificial Intelligence
Digitization	Human Level Intelligence
Big Data	Machine Learning
Internet (of Things)	Autonomous Smart Things
AR/VR	Virtual Beings
Robotics	Robotic Beings
3D Printing	3D Production
Industry platforms	Machine Trading
Blockchain	Autonomous Value Network
Smart Farming	Cyborgs
Biotechnology	Sapiens 2.0

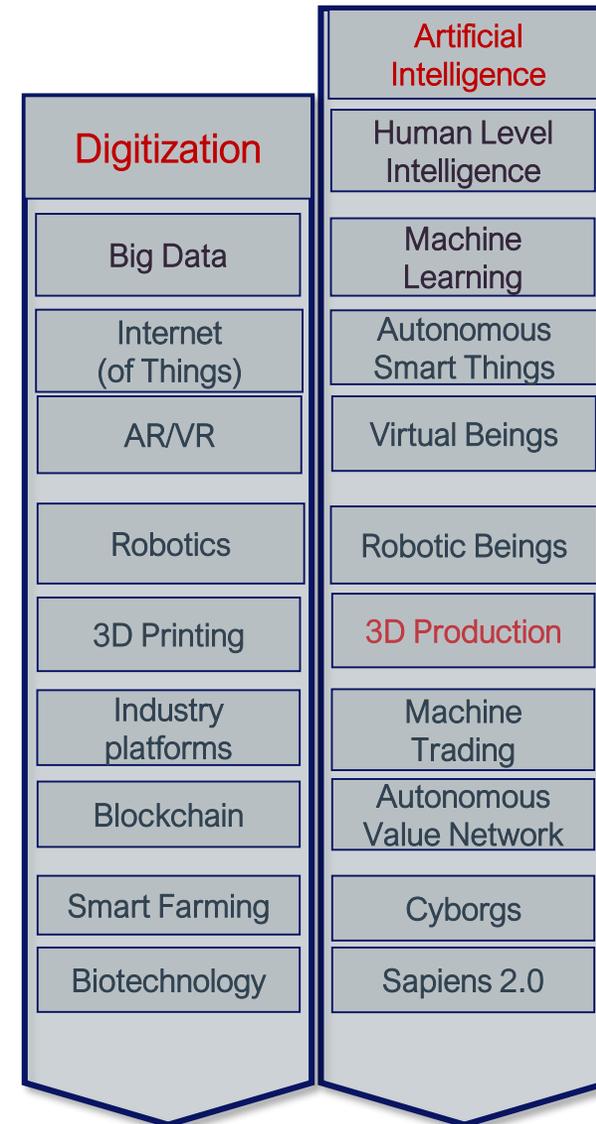
# Artificial Intelligence & Machines: Robotic Beings

## Sophia, the first robotic citizen of Saudi Arabia

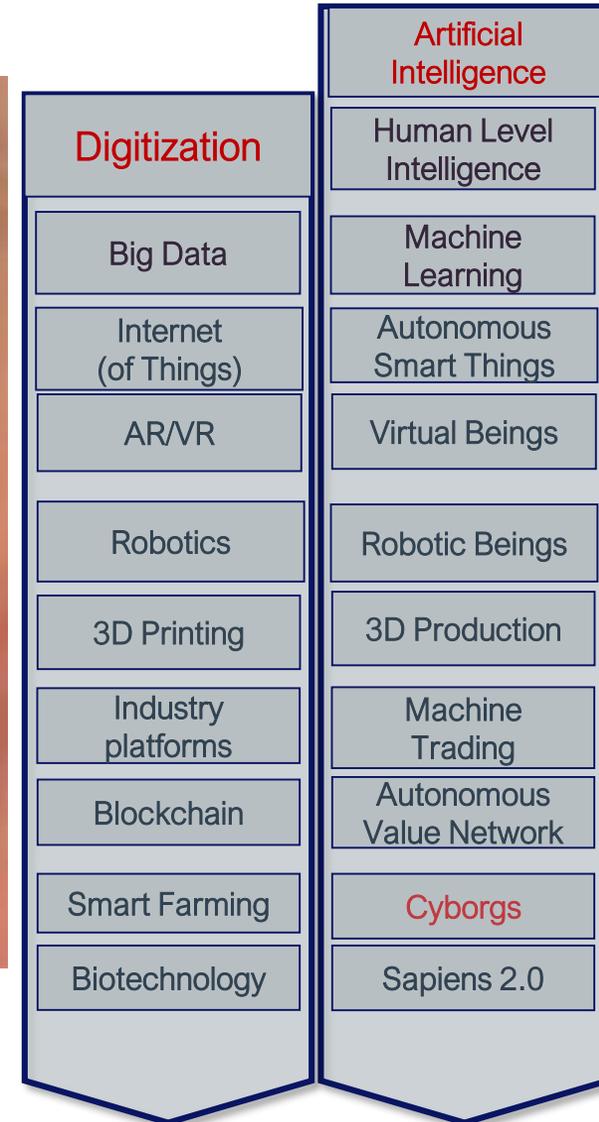
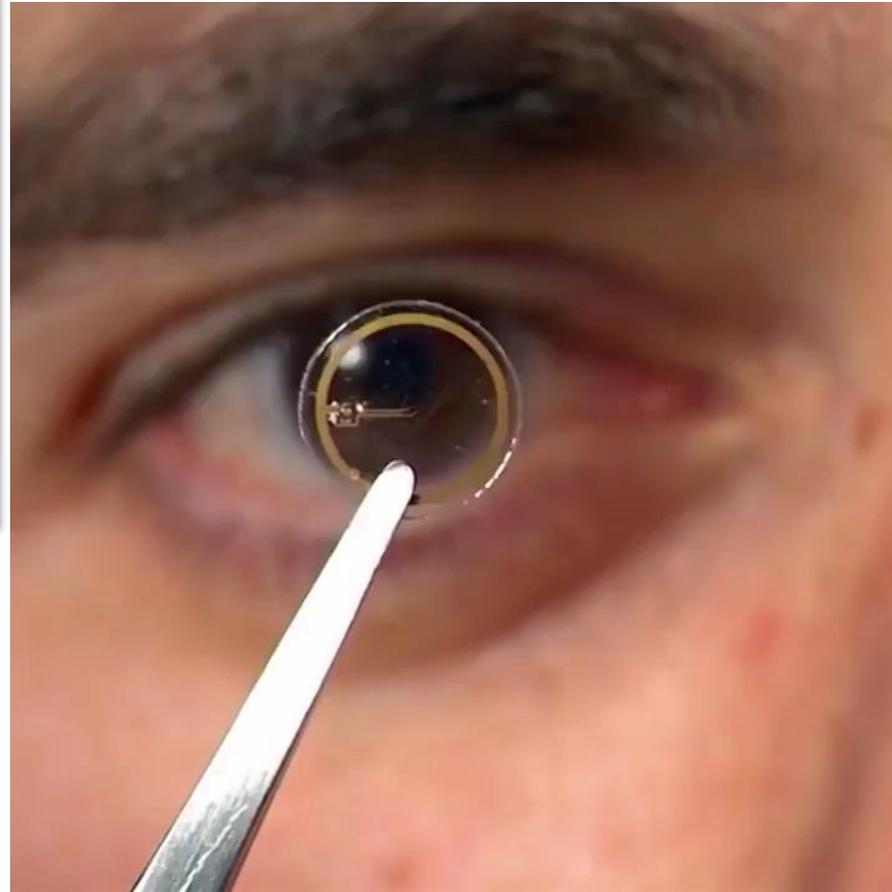


# Artificial Intelligence & Machines: 3-D Production

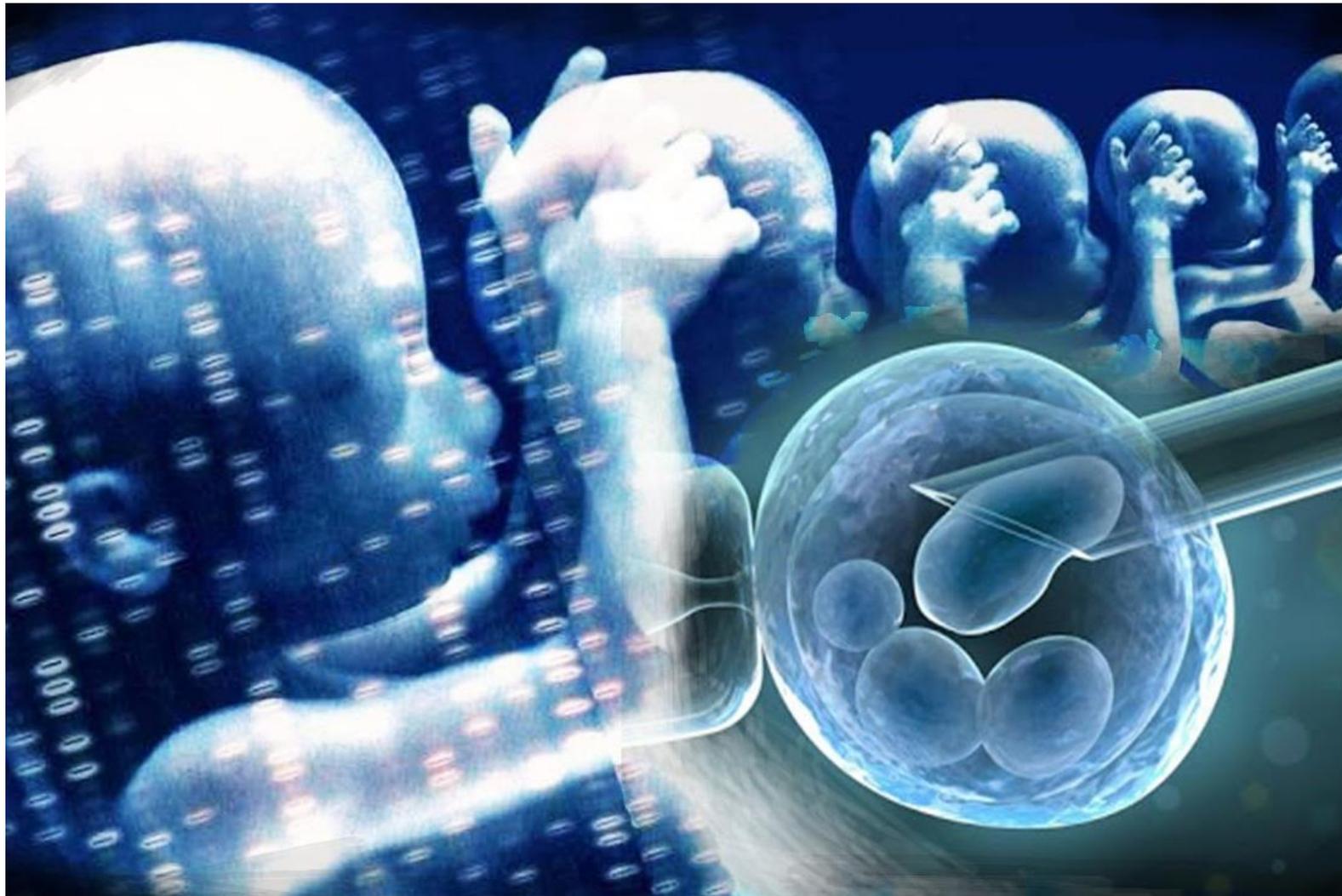
## Mass-customized manufacturing



# Artificial Intelligence & Biotechnology: Cyborgs



# Artificial Intelligence & Biotechnology: Sapiens 2.0



	<b>Artificial Intelligence</b>
<b>Digitization</b>	Human Level Intelligence
Big Data	Machine Learning
Internet (of Things)	Autonomous Smart Things
ARVR	Virtual Beings
Robotics	Robotic Beings
3D Printing	3D Production
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Blockchain	Autonomous Value Network
Smart Farming	Cyborgs
Biotechnology	<b>Sapiens 2.0</b>

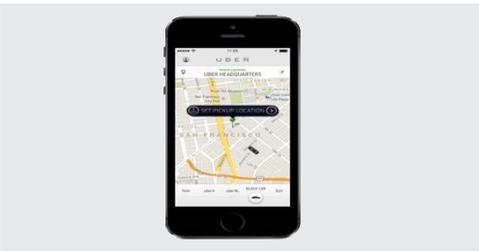
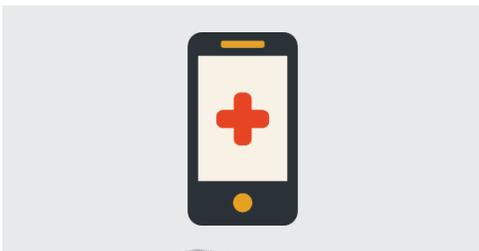
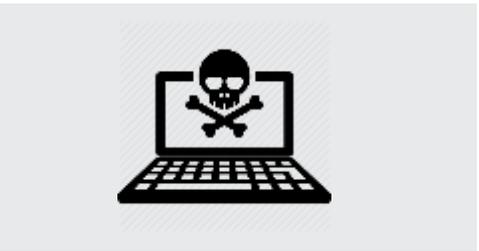
# Visioning and strategizing for the digital future

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A wooden signpost with a double-headed arrow shape. The sign is mounted on a wooden post. The background is a blurred forest scene with trees and foliage.

順 路  
THIS WAY

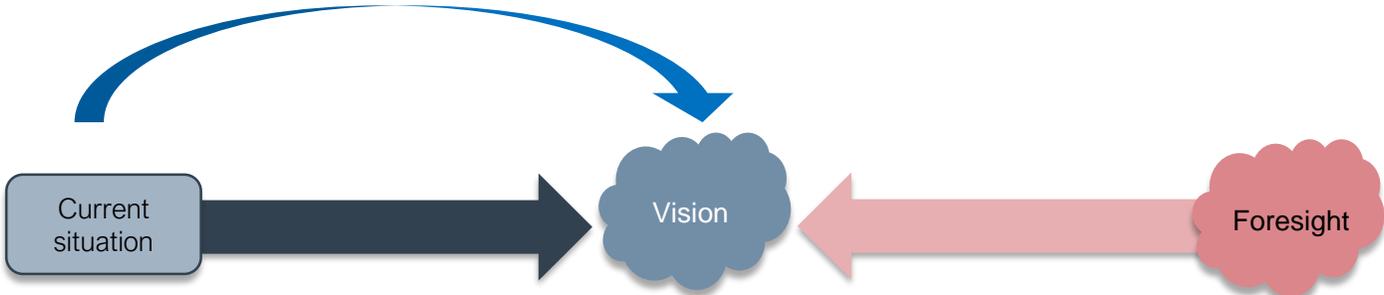
# Industries are changing (or going to change) fundamentally

	Mobility	Valuation	Health	Safety
Artificial				
Digital				
Industry				
Trade				
Agriculture				

# Strategy development: Exploration **PLUS** Exploitation

Improving the current business

Exploitation



Exploration

Developing the business of the future



## Breaking News! AI news anchor expects a societal revolution

STRATEGY |  
WORKS |



**For more information: Contact us!**

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