

#ElViceConecta

Daniel Quintero Calle / **Viceministro de TI**



/DQuinteroCalle



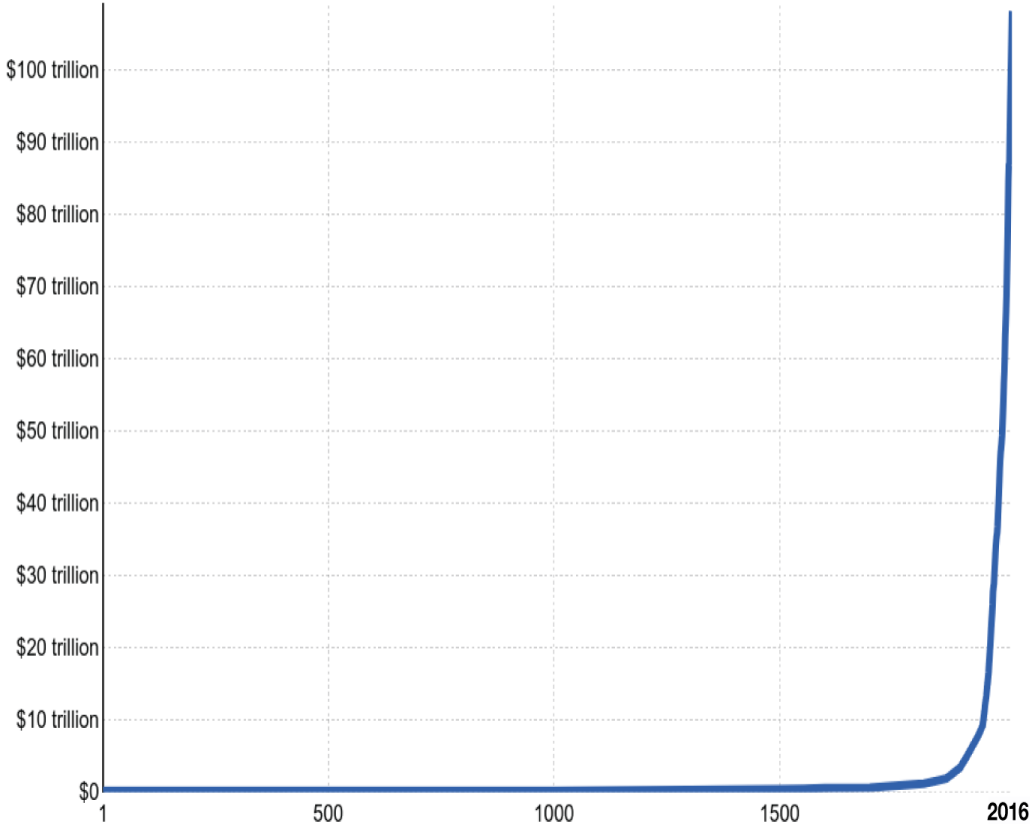
@QuinteroCalle

**¿QUÉ ES  
la Economía  
DIGITAL?**

La **Economía Digital** es la fusión de las tecnologías de la información con el mundo físico y biológico **impactando** todas las industrias y todos los sectores, e incluso cuestionando el significado del ser humano.

# World GDP over the last two millennia

Total output of the world economy; adjusted for inflation and expressed in 2011 international dollars.



Source: World GDP (Our World In Data based on World Bank & Maddison)



Revolución  
**AGRÍCOLA**

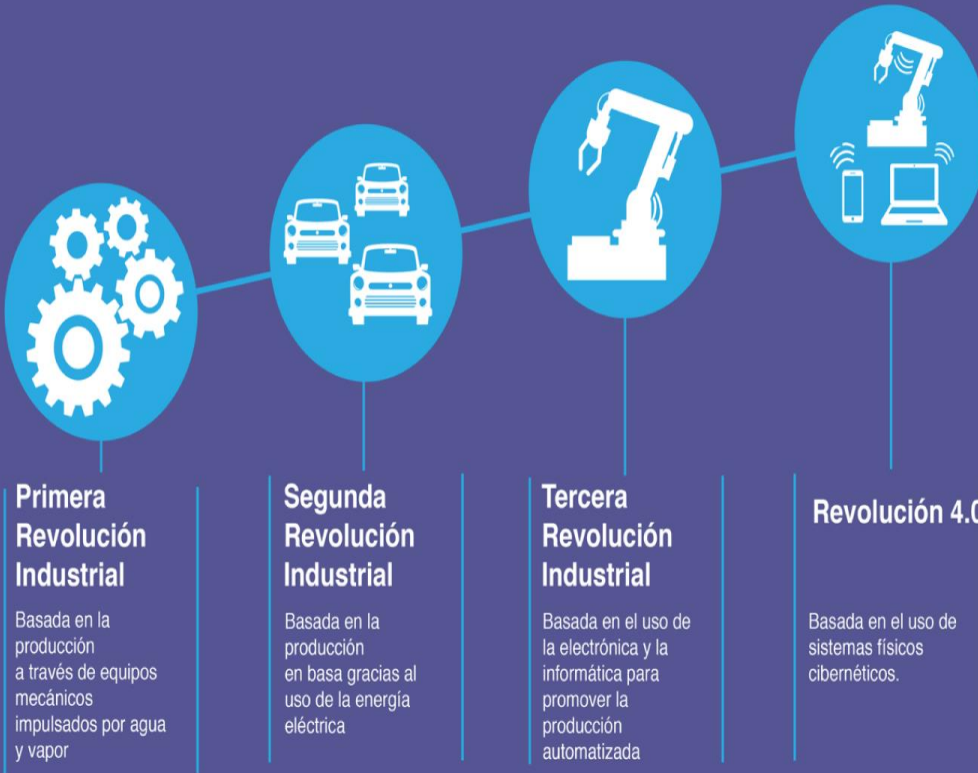
A dramatic painting depicting a scientific laboratory scene. In the center, a man with long, wavy hair and a red shawl looks upwards with a concerned expression. To his left, a woman in a blue dress and white lace headpiece looks towards him. In the foreground, a young girl in a pink dress looks up at the man. To the right, another man in a white shirt and dark vest is focused on a task. The background is filled with scientific apparatus, including a large glass vessel on a stand, a microscope, and various instruments. The lighting is dramatic, with strong highlights and deep shadows, creating a sense of intensity and discovery.

Revolución  
**CIENTÍFICA**



Revolución  
**INDUSTRIAL**

# REVOLUCIÓN 4.0



Primer telar mecánico, 1784

Primer cinta transportadora.  
Matadero de Cincinnati, 1870

Primer controlador lógico programable  
(PLC) Modicon 084, 1969



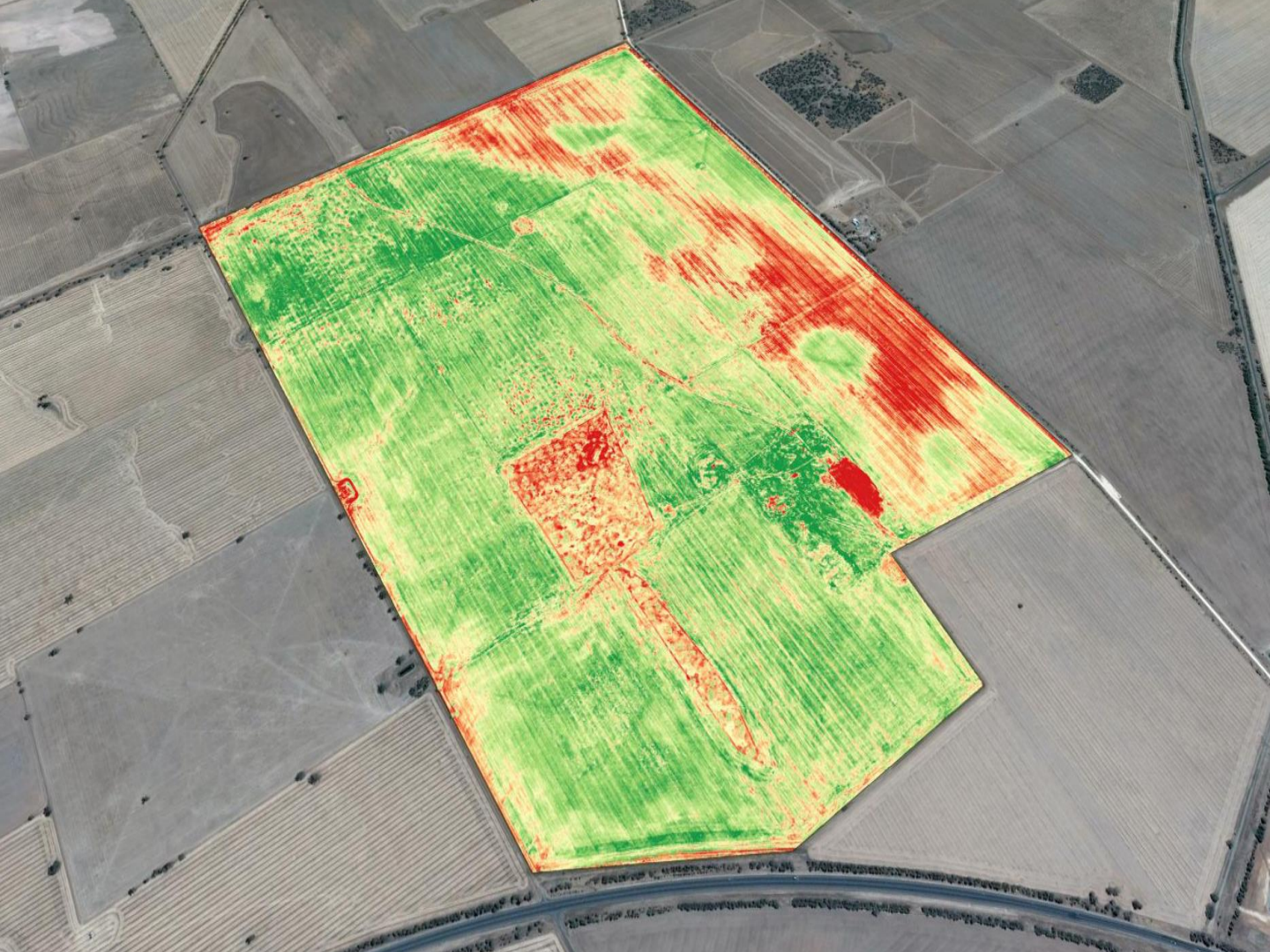
Honda

Futurism





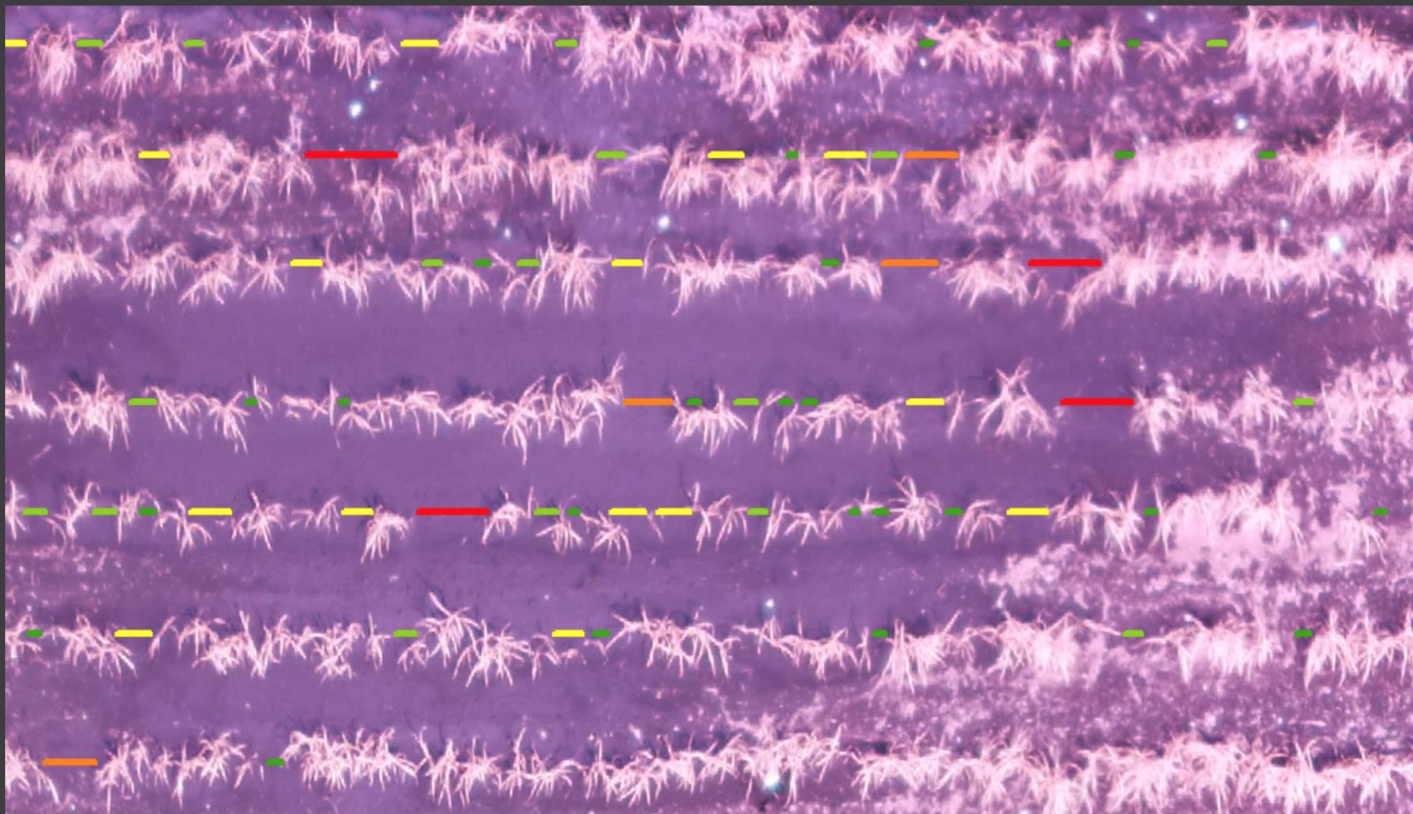
# DRONES



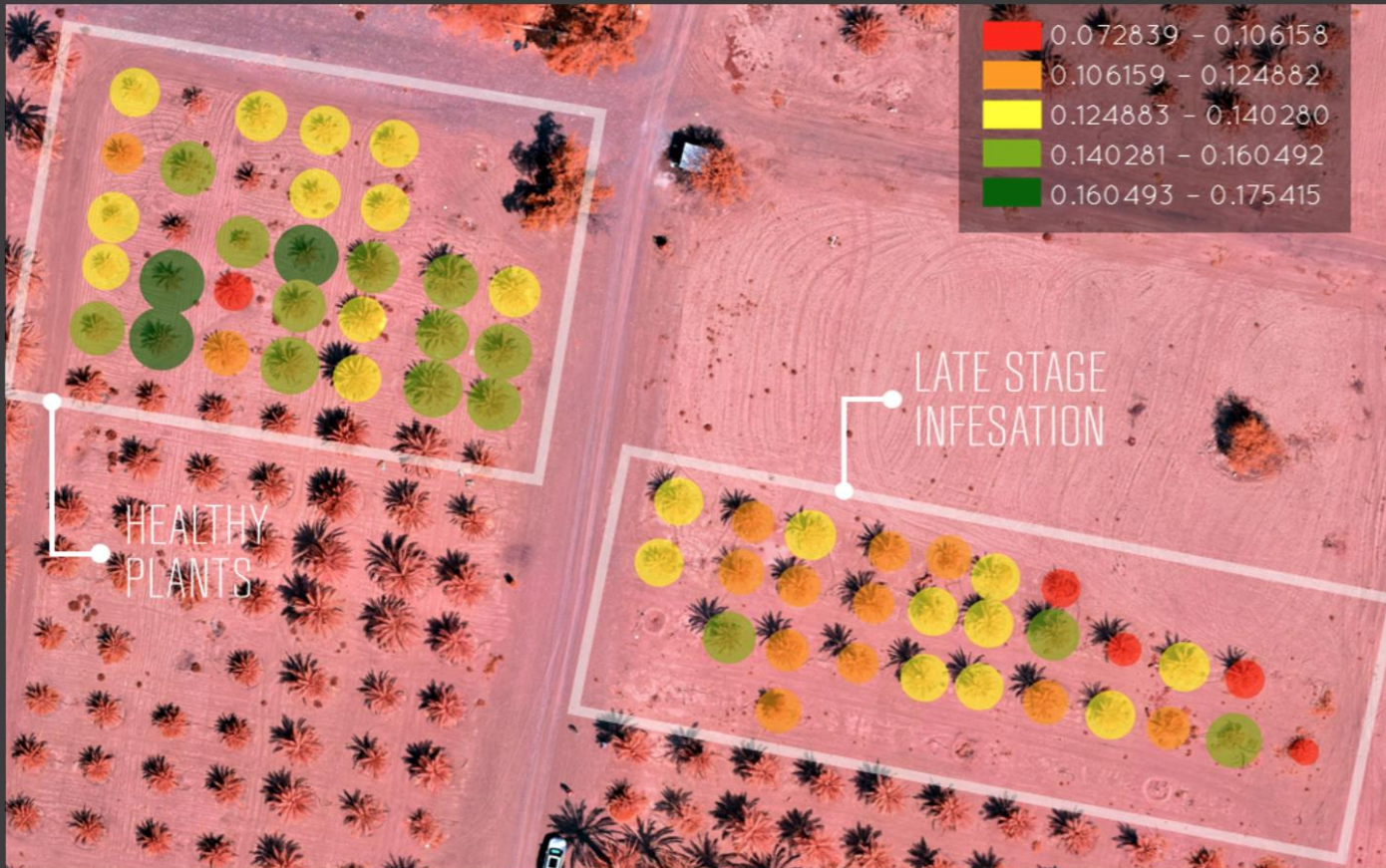
# PLANT COUNTING



# PLANT SPACING - Separation Metric



# PEST DETECTION - Infestation Metric





ZOGIMAS



**FLYINGBEAR** DRONE CAM

0:00.0



IOT

# IOT

Internet de las cosas







**The  
Economist**

MAY 6TH - 12TH 2017

Theresa May v Brussels

Ten years on: banking after the crisis

South Korea's unfinished revolution

Biology, but without the cells

# The world's most valuable resource



**Data and the new rules  
of competition**



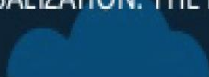
Los flujos cambian

## CON LA DIGITALIZACIÓN

Los flujos de comercio y finanzas se están estabilizando, mientras los flujos de información están en expansión.



· Fuente: McKinsey Global Institute: DIGITAL GLOBALIZATION: THE NEW ERA OF GLOBAL FLOWS





Inteligencia  
**ARTIFICIAL**

# AlphaGO

ALPHAGO  
01:59:25

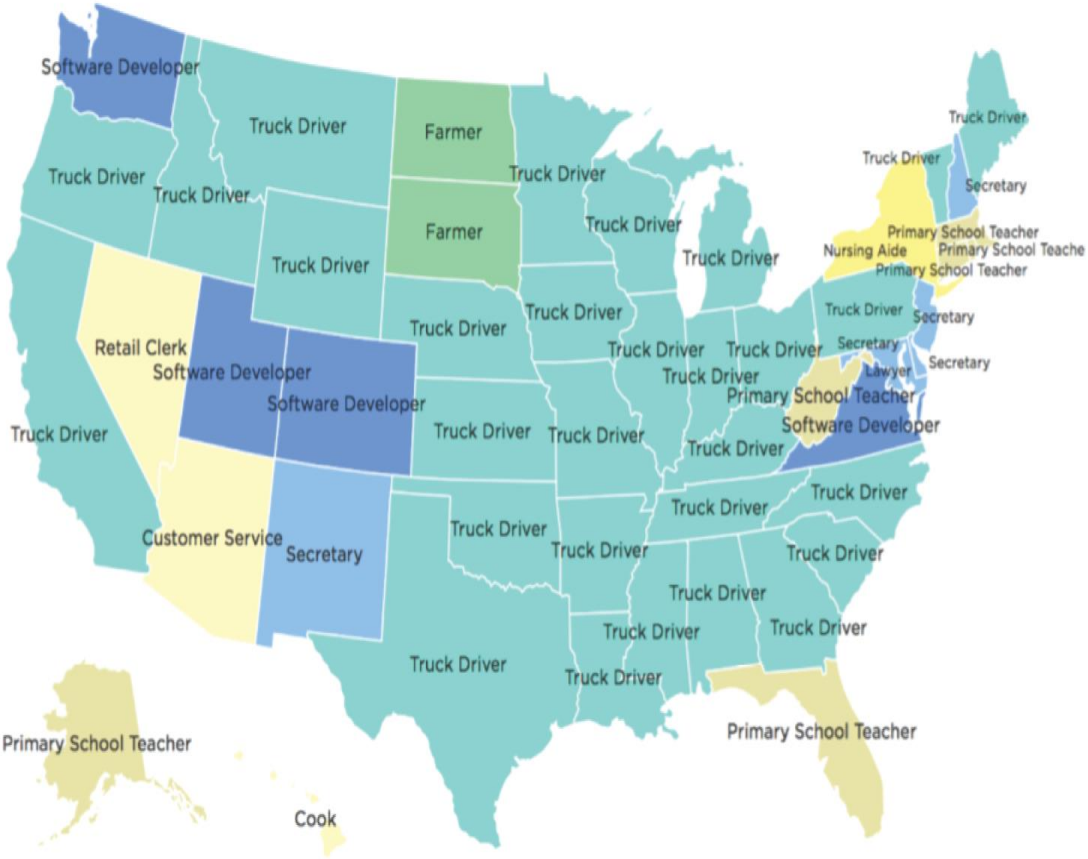
LEE SEDOL  
01:59



AlphaGo Lee Sedol



# The Most Common\* Job In Each State 1978-2014







Los cambios  
tecnológicos y demográficos

**DESTRUIRÁN**

**7.1 MILLONES**

de puestos de trabajo de  
2015 a 2020.

*Fuente: WEF*



# Conductores en Colombia



Taxistas

800.000

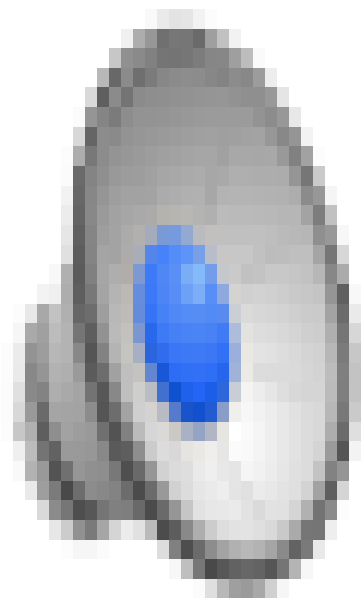


Camiones

383.000

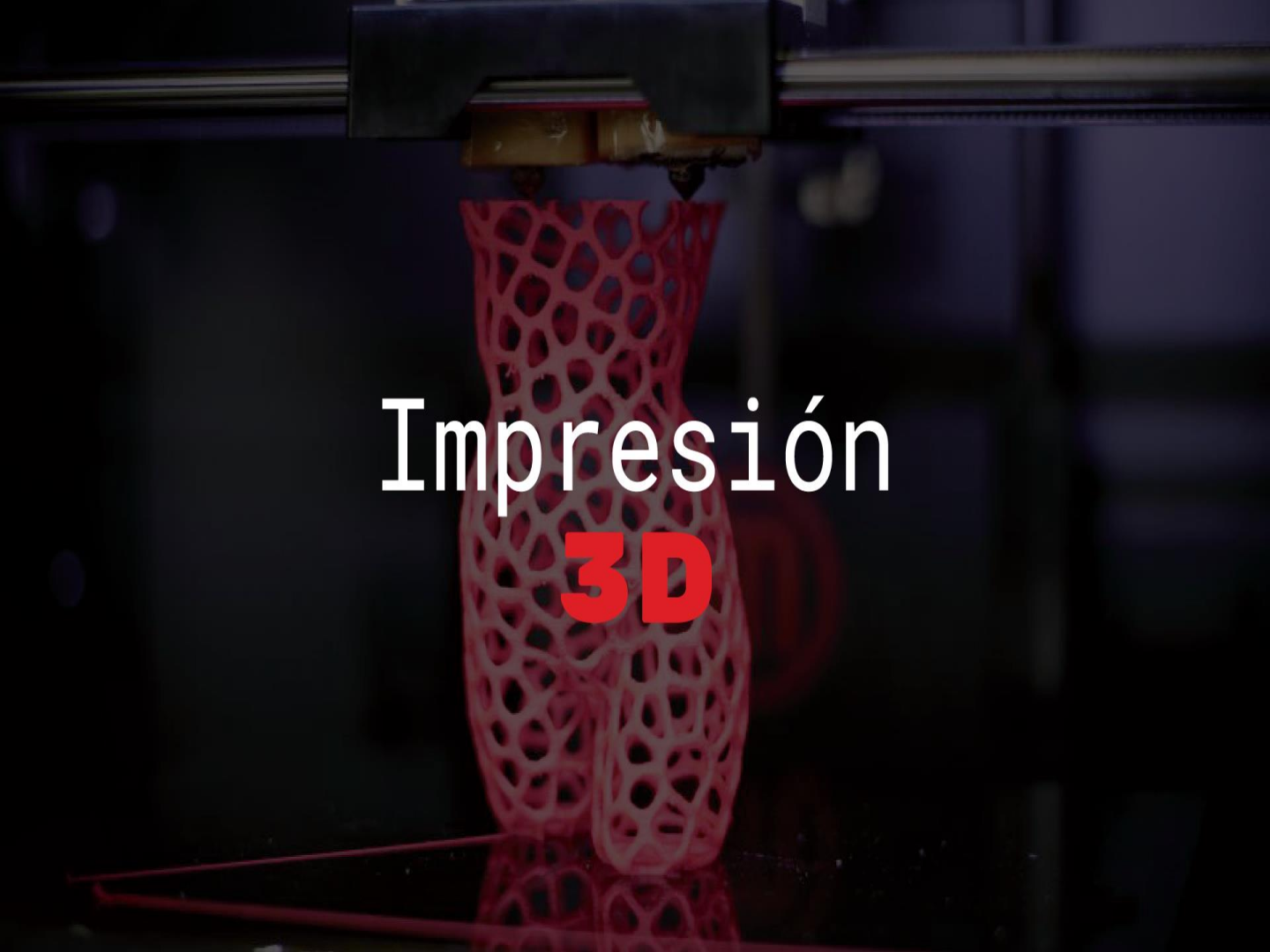
JUST  
WALK  
OUT



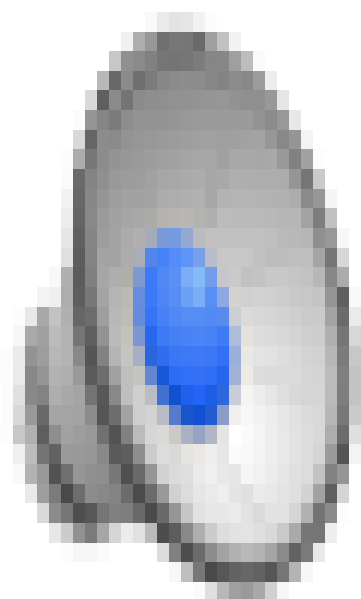


El **50%** de las  
**ACTIVIDADES LABORALES**  
en el mundo podrían ser  
**AUTOMATIZADAS**  
usando la **TECNOLOGÍA**  
**ACTUAL.**

*Fuente: McKinsey*

A close-up photograph of a 3D printer's nozzle printing a red, lattice-structured vase. The printer's metal frame and nozzle are visible at the top. The vase is partially completed and sits on a reflective surface. The background is dark and out of focus.

# Impresión **3D**





The image features a detailed, blue-toned background of a printed circuit board (PCB). The board is densely packed with various electronic components, including integrated circuits, capacitors, and resistors, all interconnected by a complex network of copper traces. The lighting is dramatic, with a bright, glowing light source from the right side that creates a strong lens flare and highlights the metallic surfaces of the components. Overlaid on this technical background is the word "BLOCKCHAIN" in a large, bold, white, sans-serif font, centered horizontally and slightly above the vertical center. The overall aesthetic is futuristic and technological, suggesting a connection between traditional hardware and modern digital concepts.

**BLOCKCHAIN**

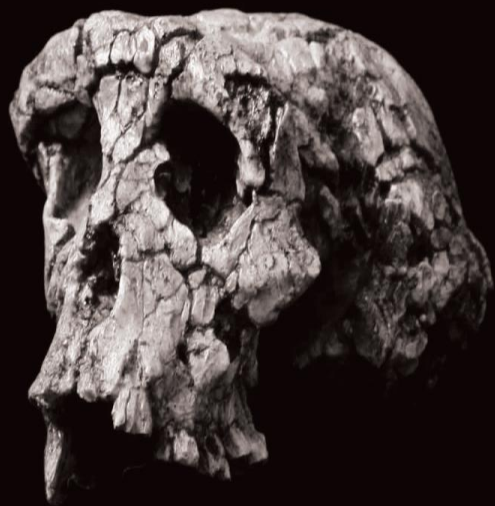


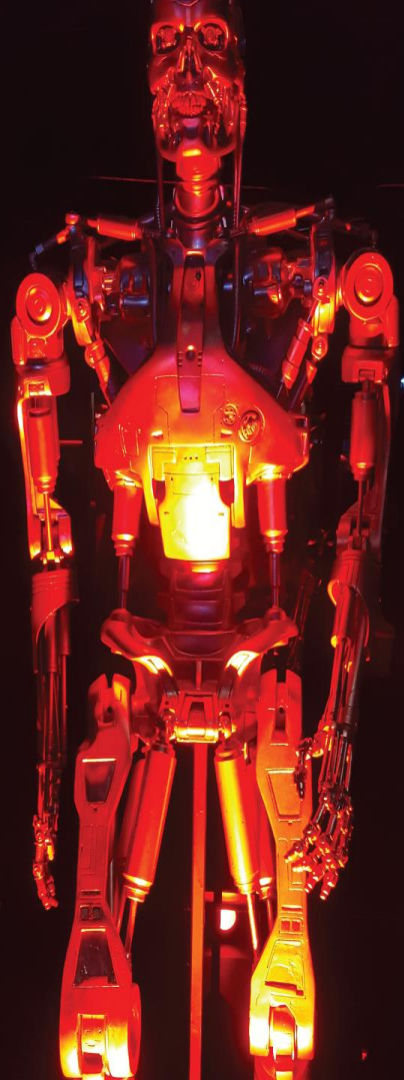
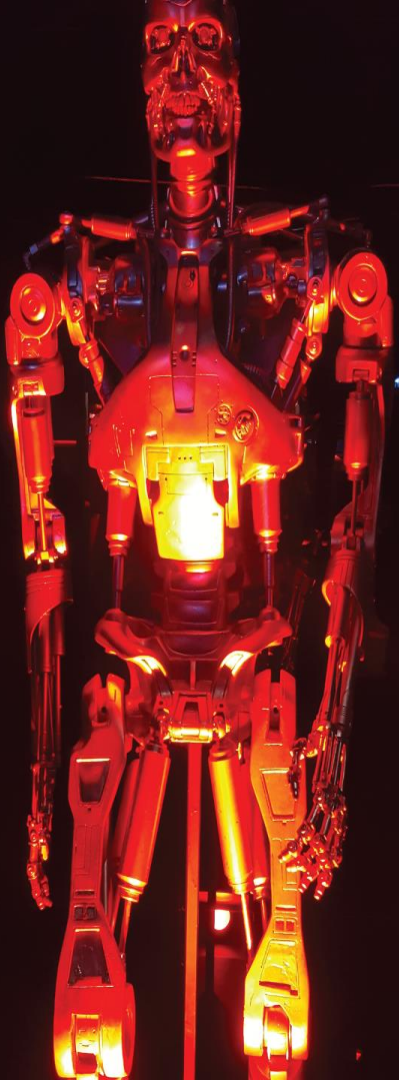
# DEMOCRACIA digital

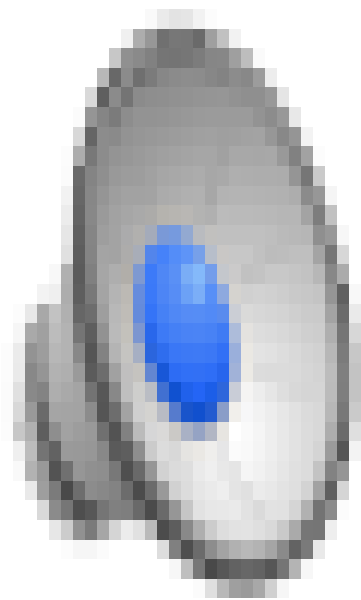
55% VOTE 45%

An illustration on a teal background showing a hand in orange using blue scissors to cut a DNA double helix. The DNA is depicted with orange and white strands. Some DNA segments are shown as white fragments floating in the background. A dark shadow of the hand is cast on the surface below.

Edición  
**GENÉTICA**







**La**  
*TECNOLOGÍA*

**transforma**

*VIDAS*

**Hoy**

*todos los  
son*

**problemas**

**DIGITALES**

*y todas*

**las empresas**

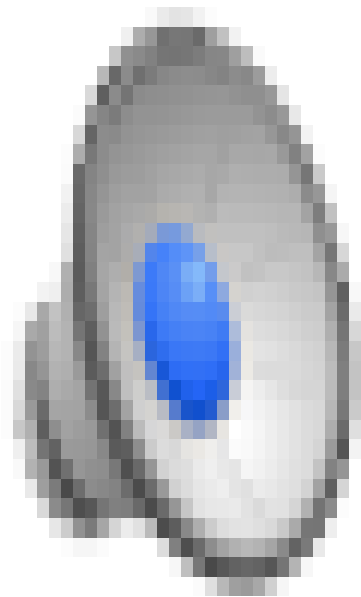
*son*

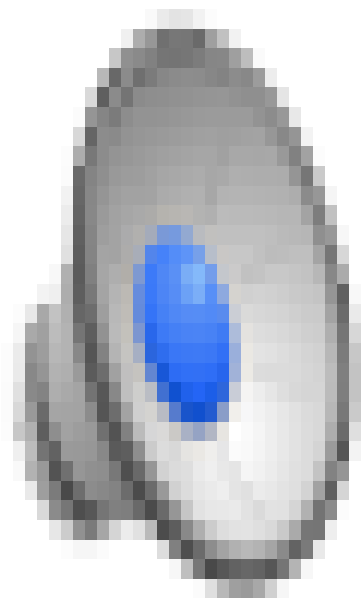
**TI.**




*Cuando la  
educación falla  
en seguirle el paso a  
la tecnología,  
la desigualdad  
es el resultado.*

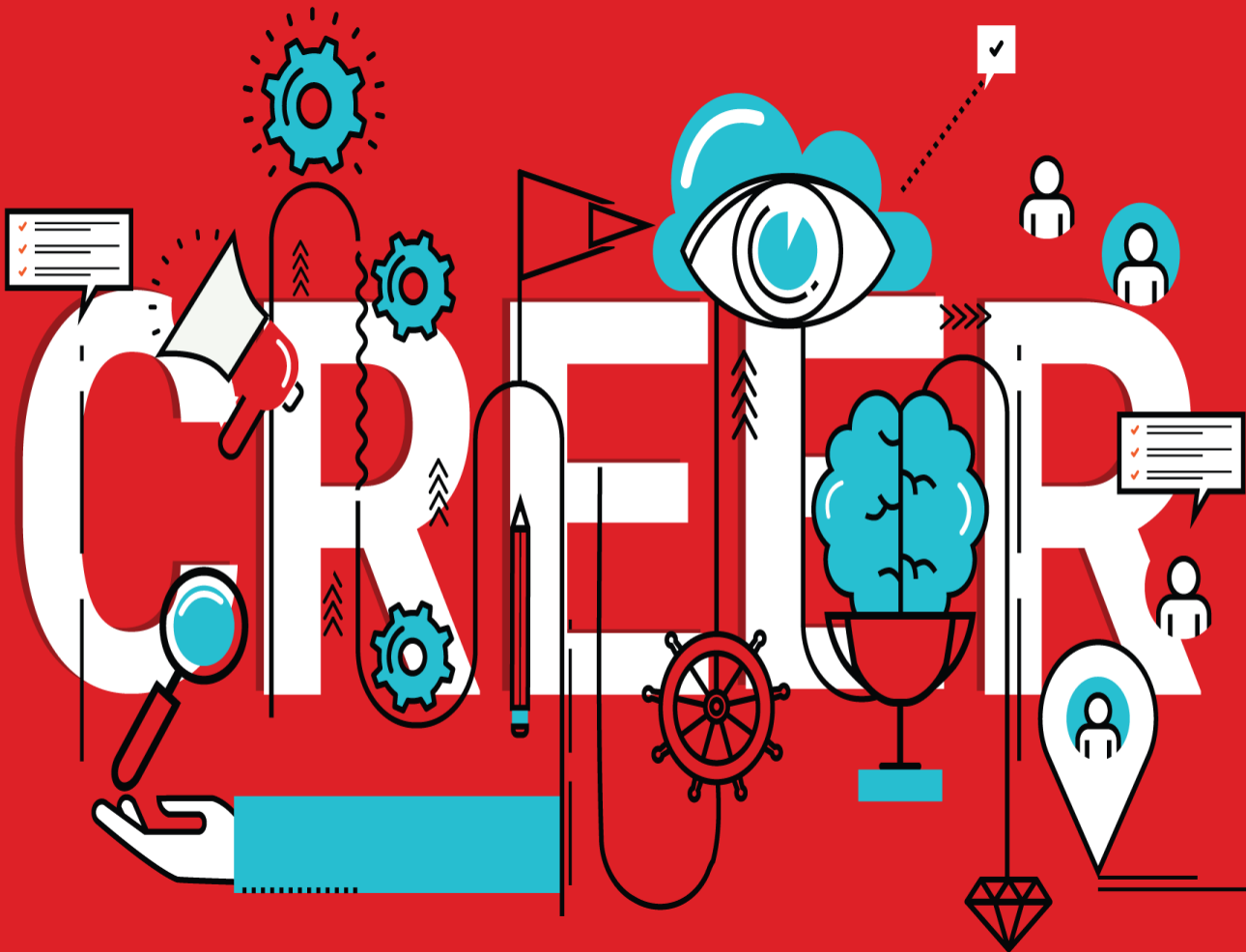
*#LaEducaciónEsElCamino*







**CIUDADES**  
inteligentes



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/DQuinteroCalle



@QuinteroCalle

# GRACIAS

Daniel Quintero Calle / **Viceministro de TI**