

# **FORUM ON THE FUTURE:**

## **Jamaica 2030 and beyond**

Information Technology 2030 and potential  
impact on  
Business, Government, Society with  
Opportunities in Agriculture, Mining, Biotech,  
and Tourism

# Some Important Questions!

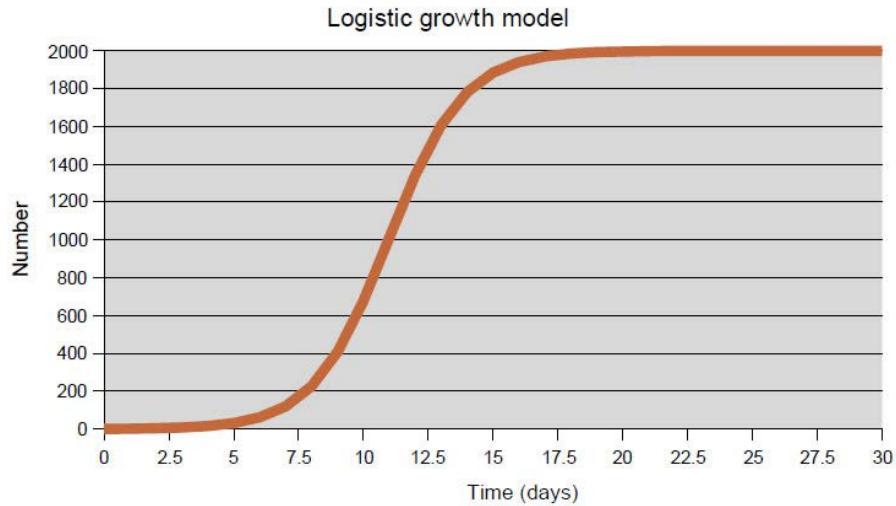
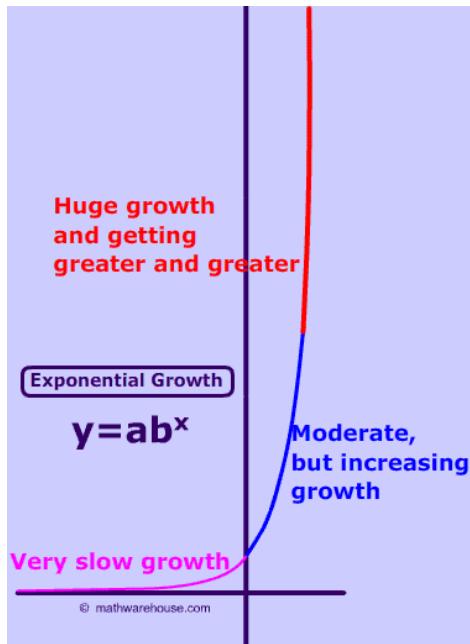
Would you elect to have a very small chip smaller than a grain of sand - - - painlessly implanted in your head that would enable you to have access to all the capabilities of a smartphone and networked computer as well as a lot more?

At the beginning - - - what did you think about the Internet?

# The Method – Content Analysis



# Collateral Innovation



As  $x \rightarrow \infty$

Factorial > Exponential > Polynomial > Logarithmic

$x!$	$e^x$	$x\sqrt{1+x^2}$	$\ln(\ln x)$
$\cosh x$	$x^2 + 1$	$(\ln x)^3$	
$3^{\sqrt{x}}$	$\sqrt{x}$	$\ln x$	
$2^x$			

Exponentiation

$$a^n = \underbrace{a \times a \times \cdots \times a}_n$$

$n$  copies of  $a$  combined by multiplication.

Tetration

$${}^n a = \underbrace{a^{a^{ \cdot^{\cdot^a}}}}_n$$

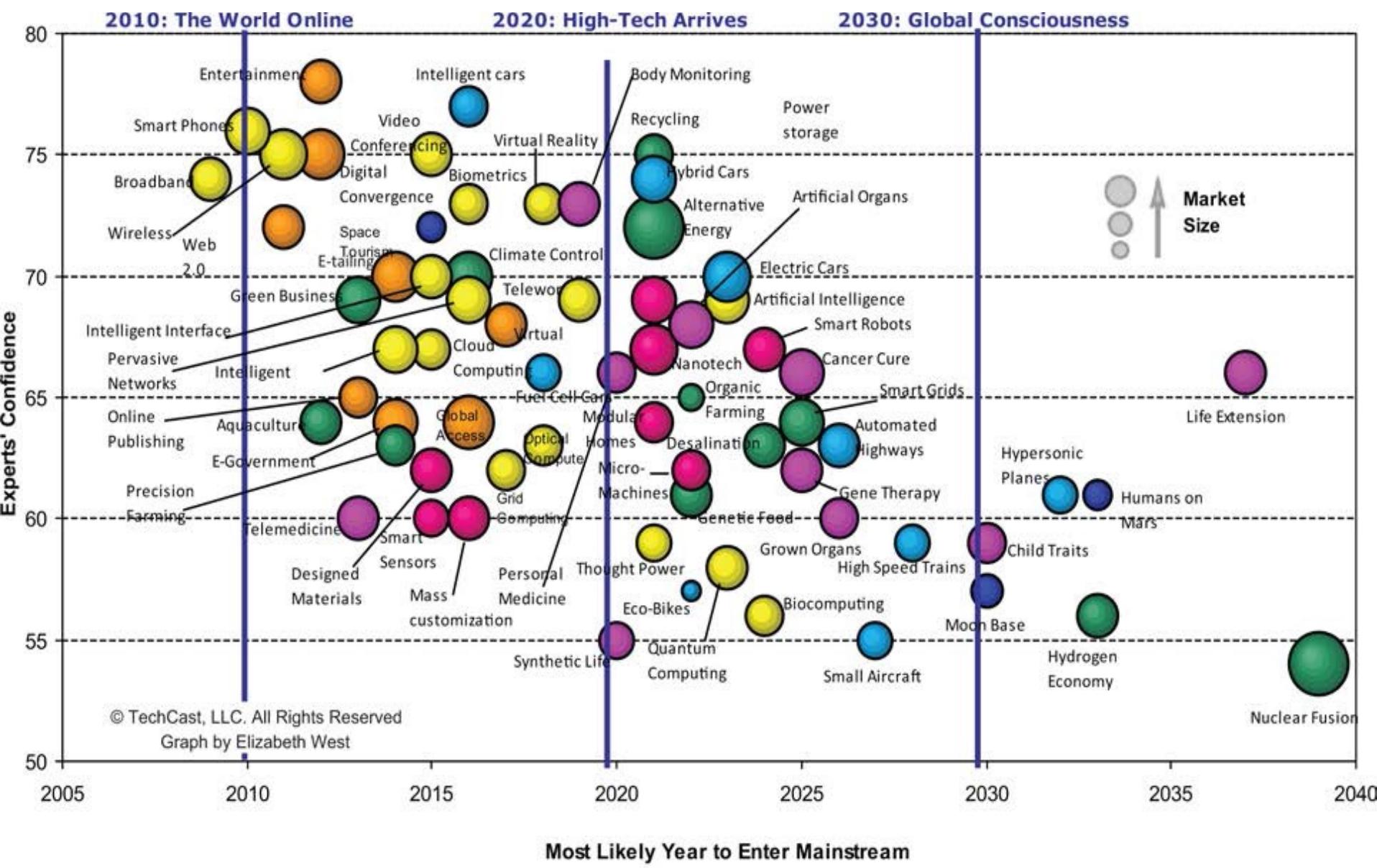
$n$  copies of  $a$  combined by exponentiation, right-to-left.

# AI: Immortality

# TRANS CONSCIOUSNESS Future of Selves MARTINE Rothblatt (USA)

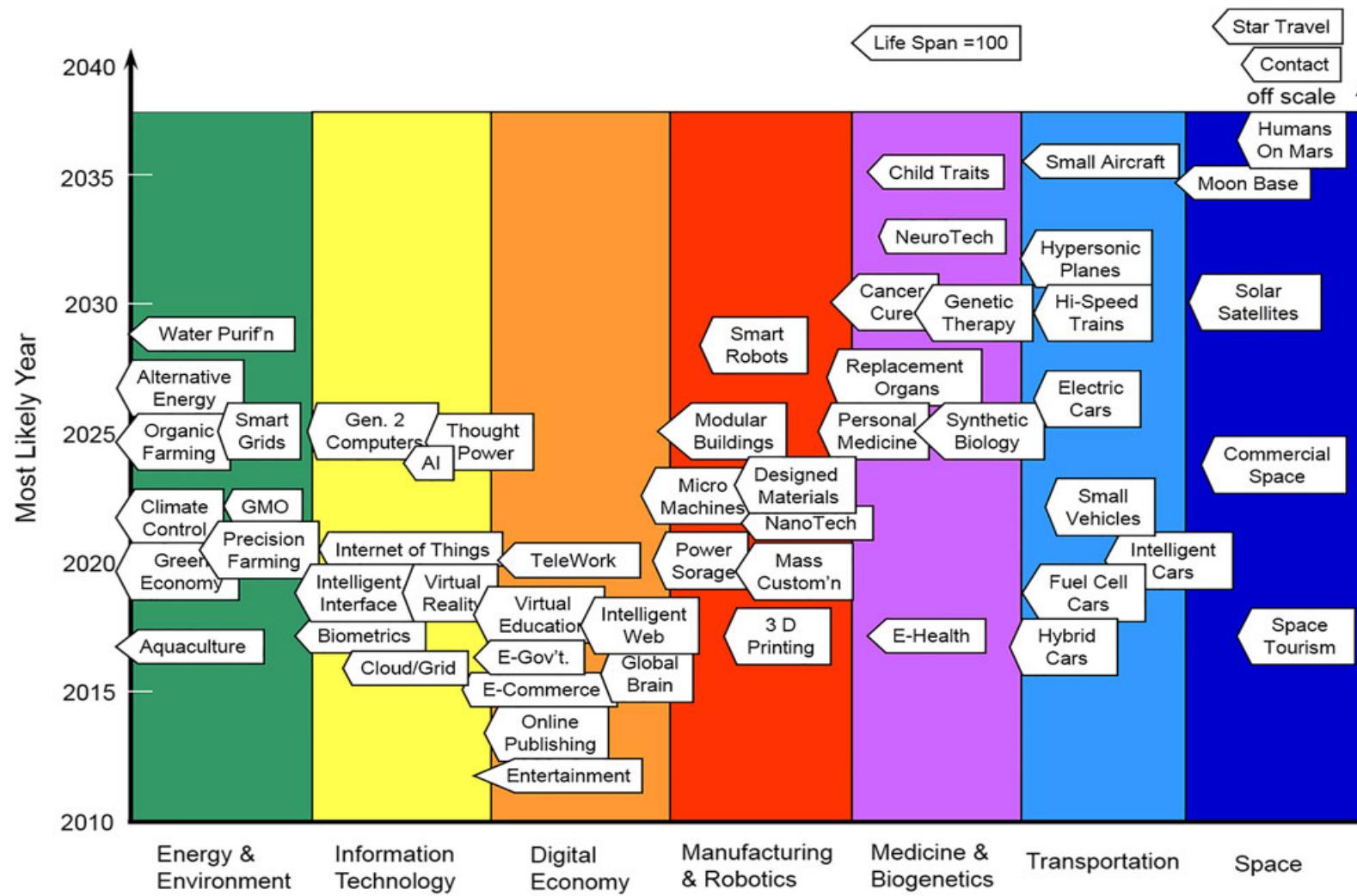
Martine  
Rothblatt  
Lisa Miller





● Energy & Environment ● Information Technology ● E-Commerce ● Manufacturing & Robotics ● Medicine and Biogenetics ● Transportation ● Space

# Technology Revolution







Buzz Analytics

# medical Tourism



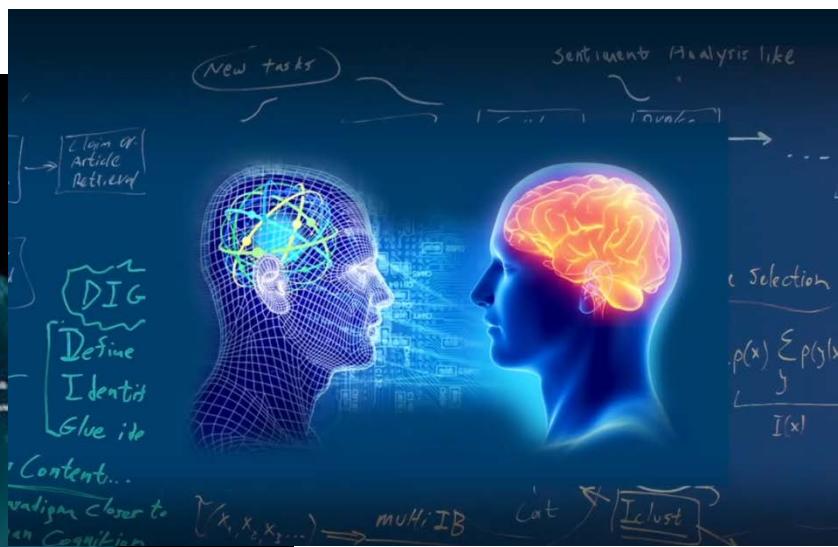
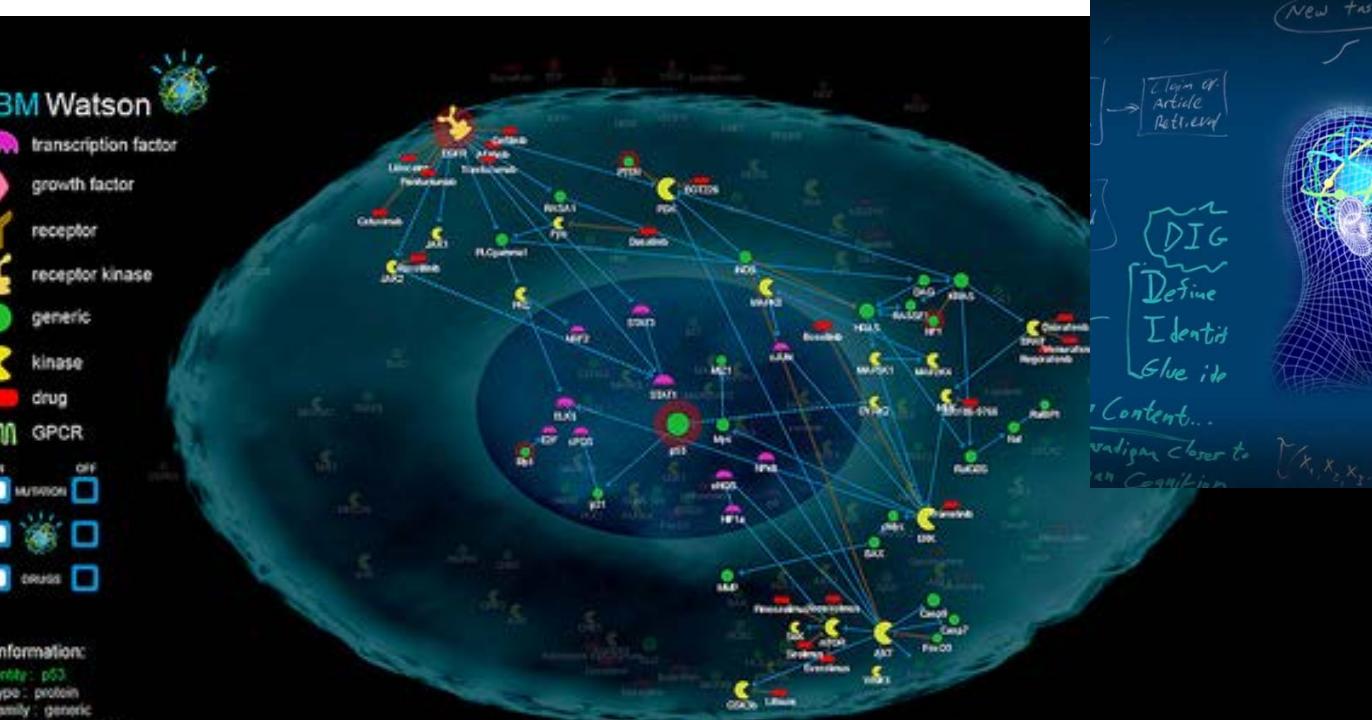
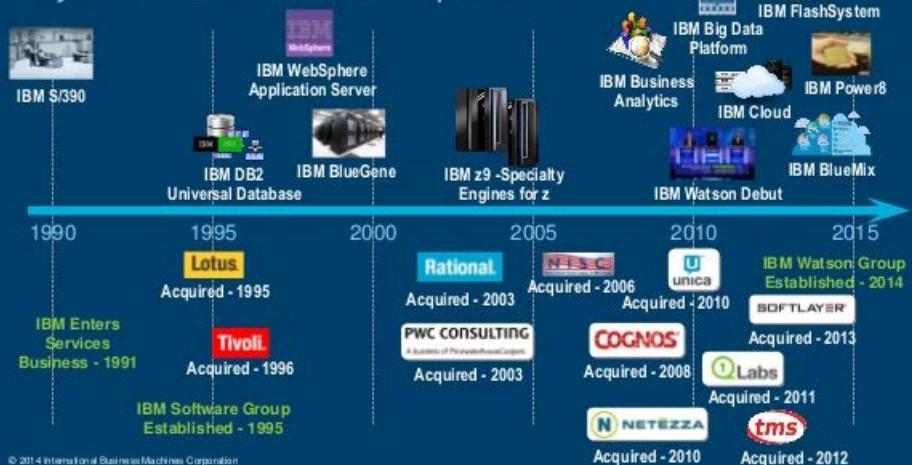






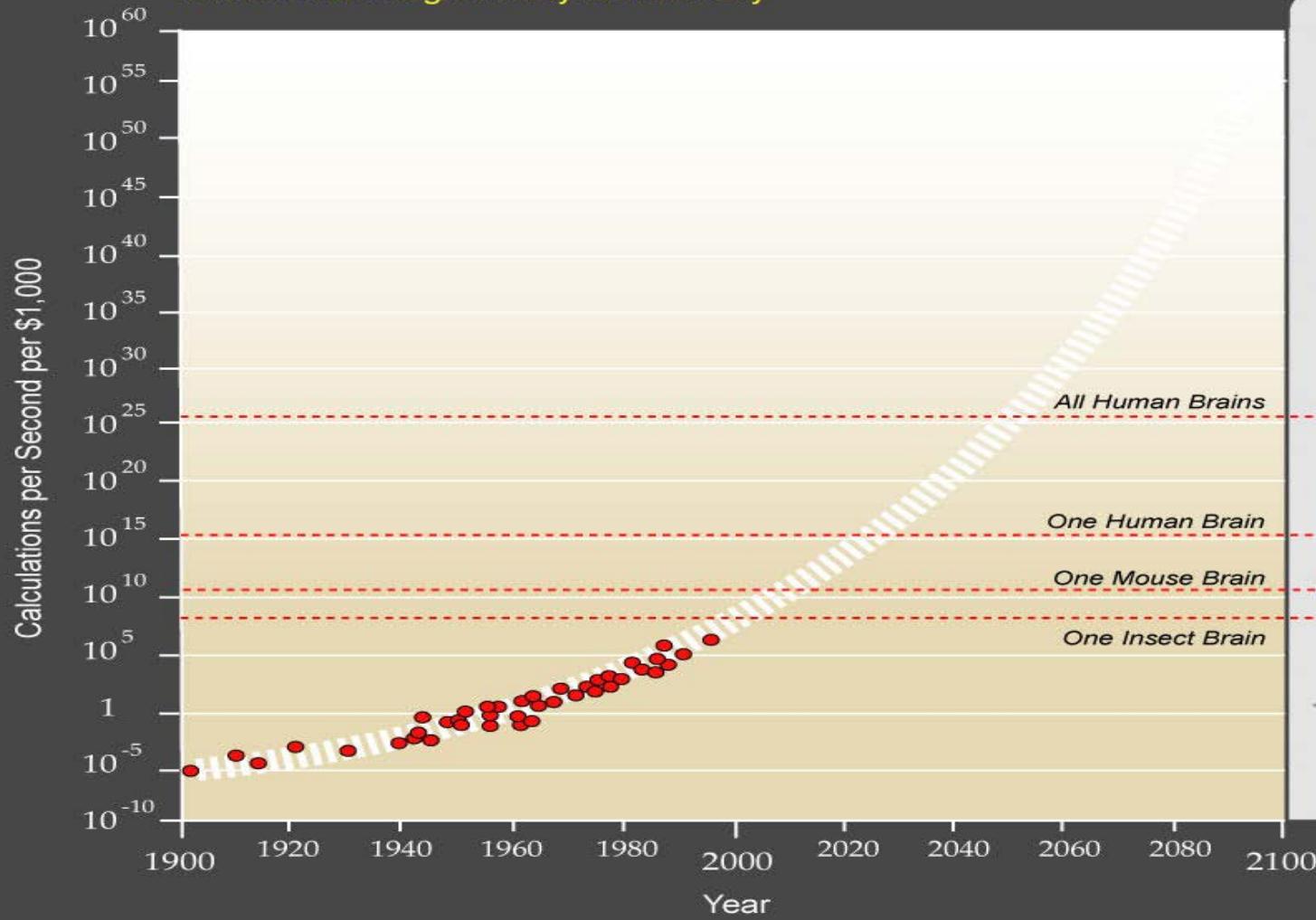
# This is Watson

## Major Deliverables and Acquisitions

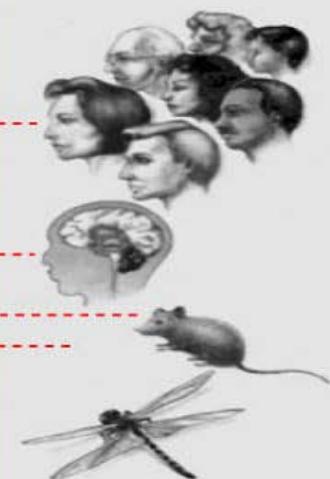


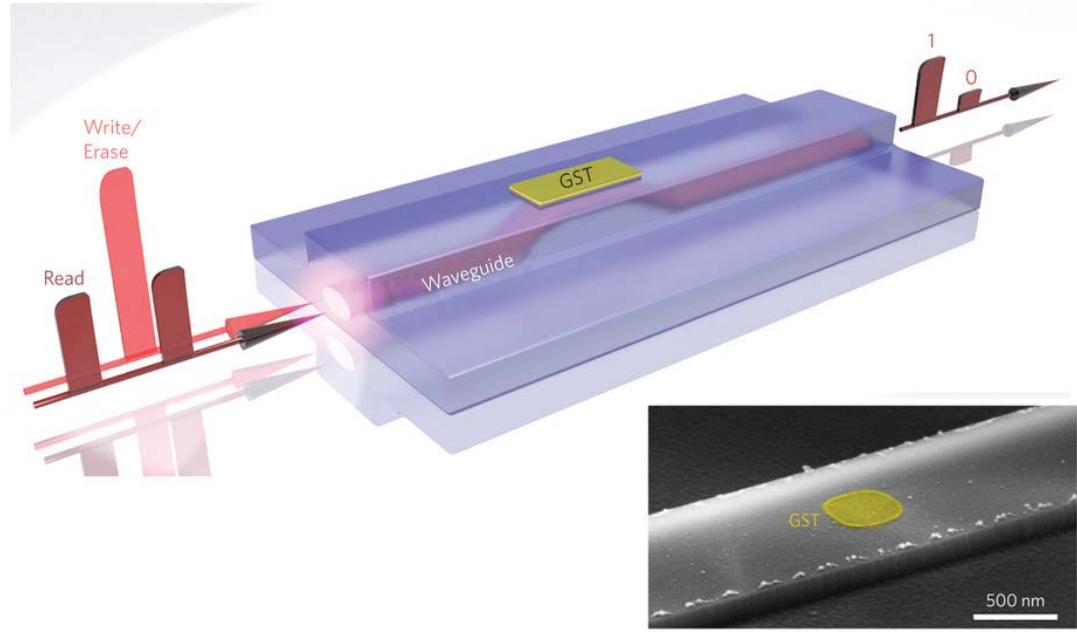
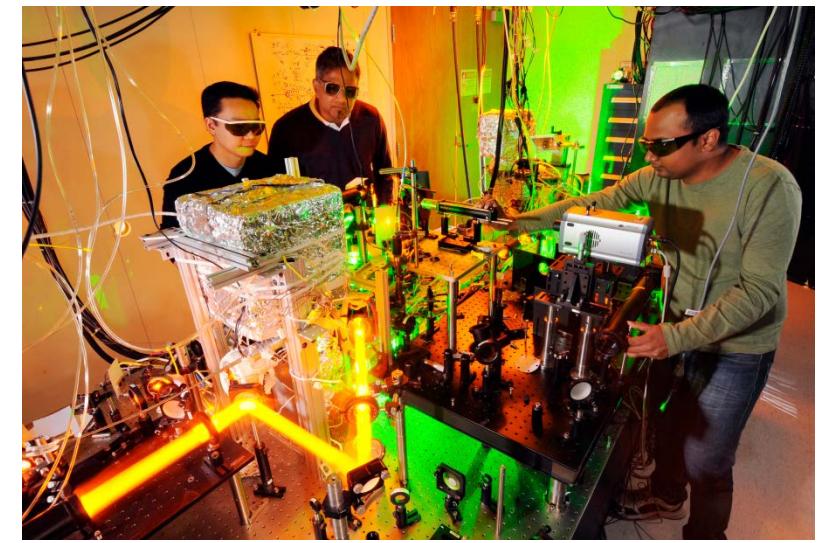
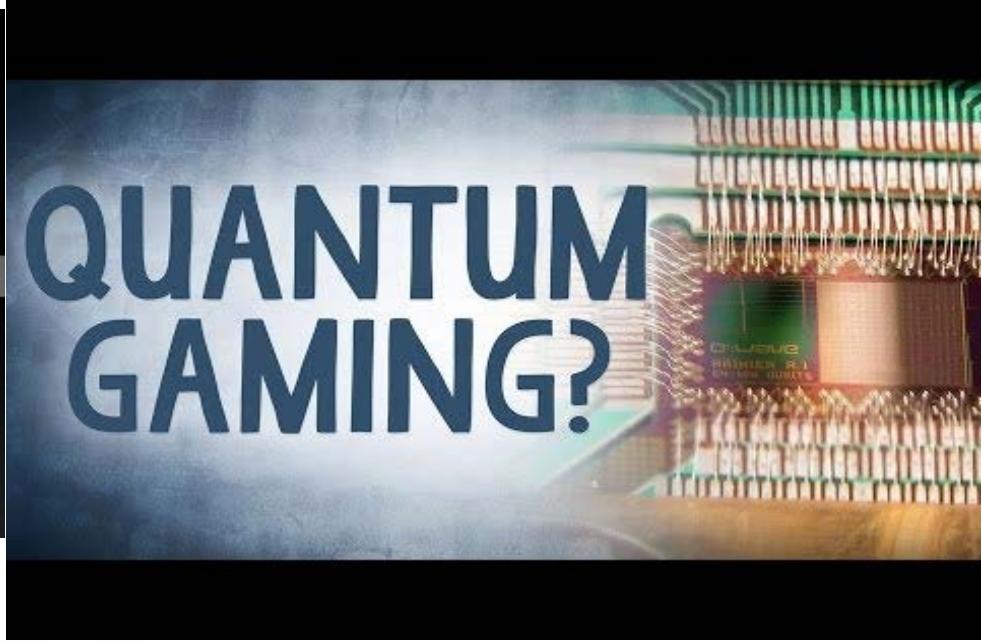
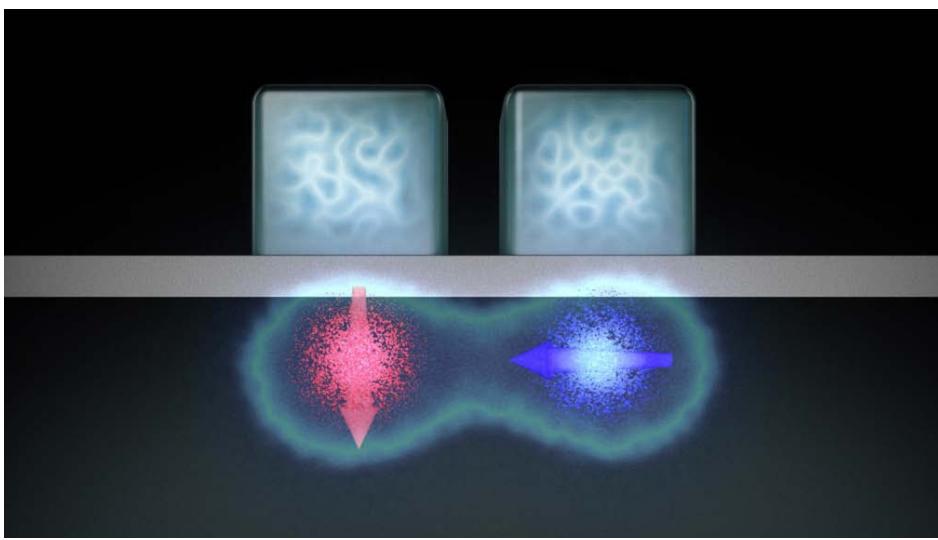
## Exponential Growth of Computing

Twentieth through twenty first century



Logarithmic Plot



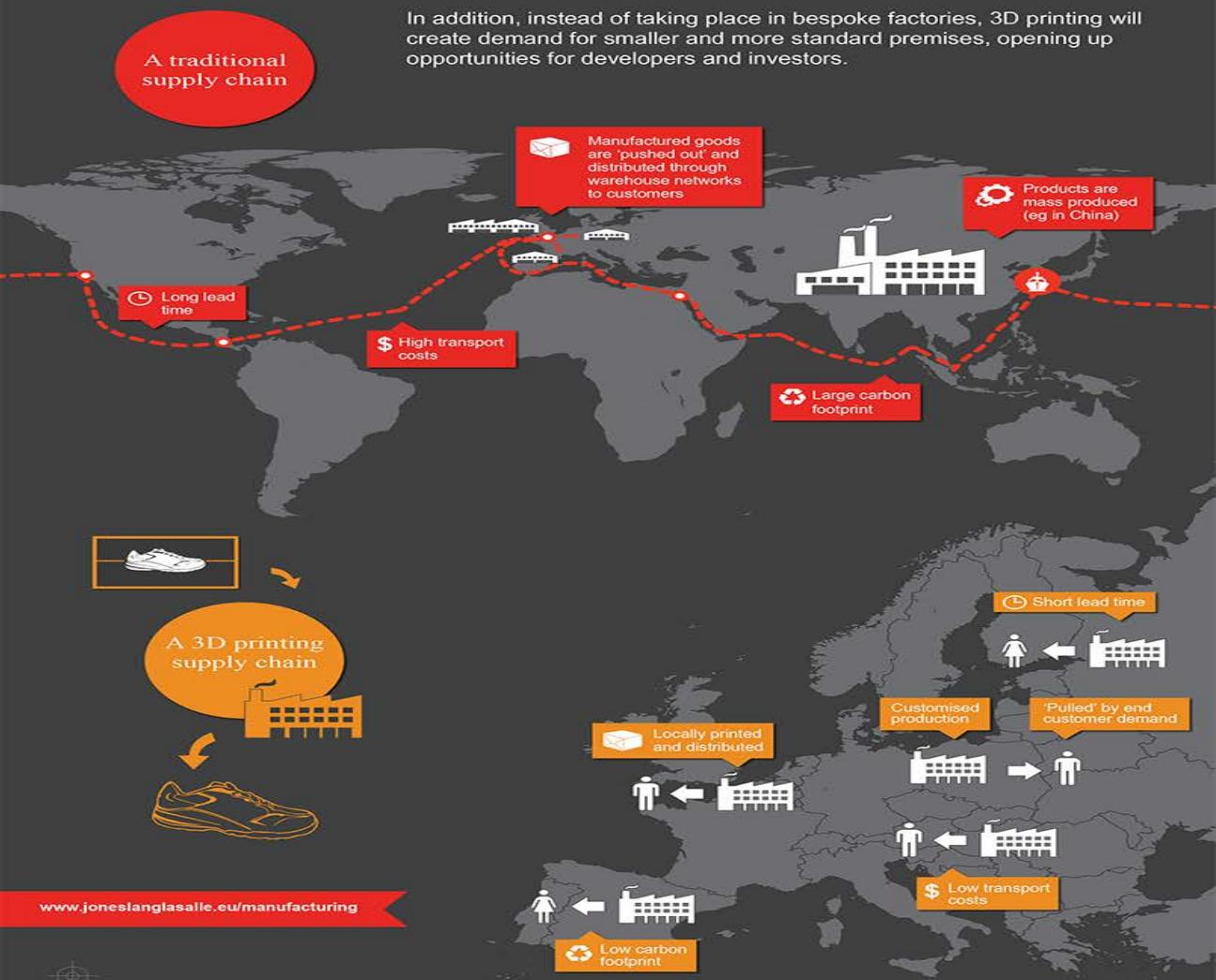


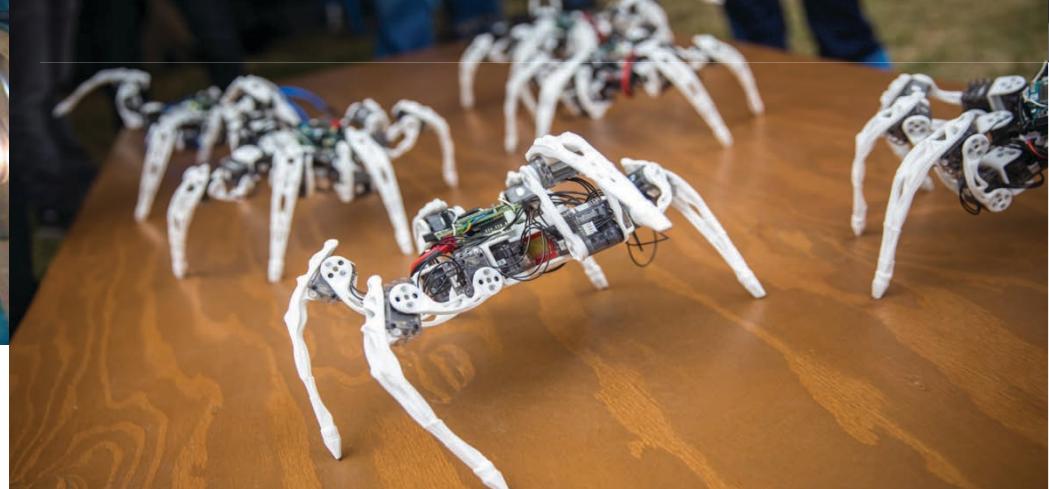
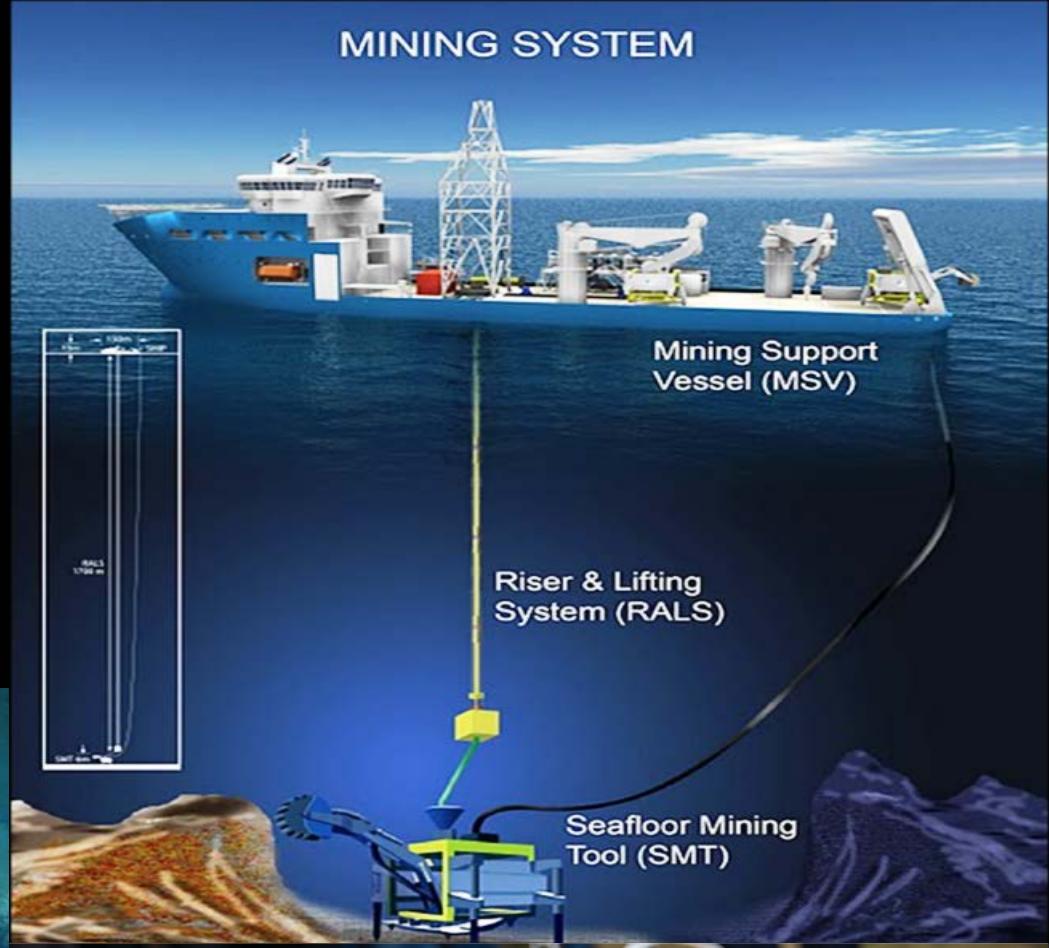
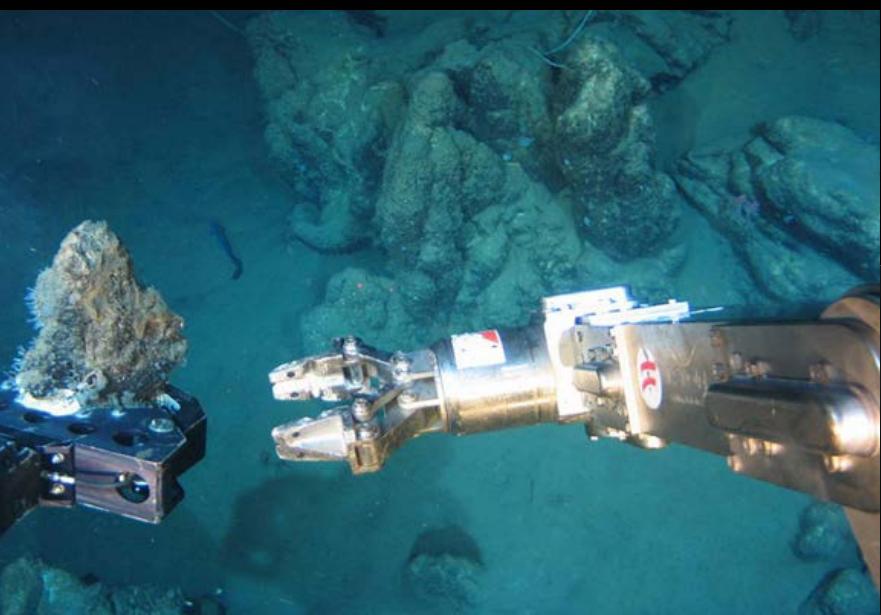


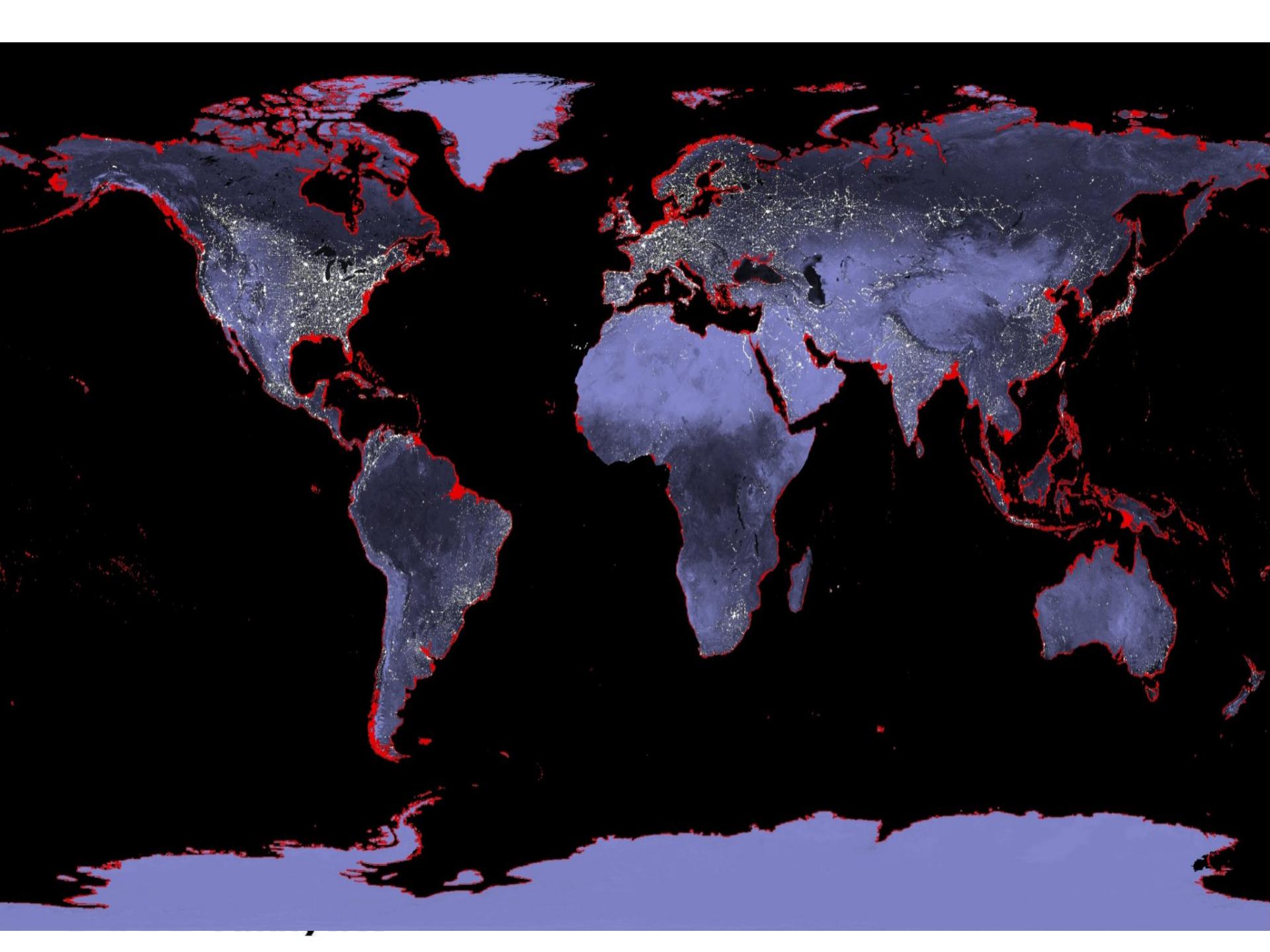
# The impact of 3D printing on supply chains

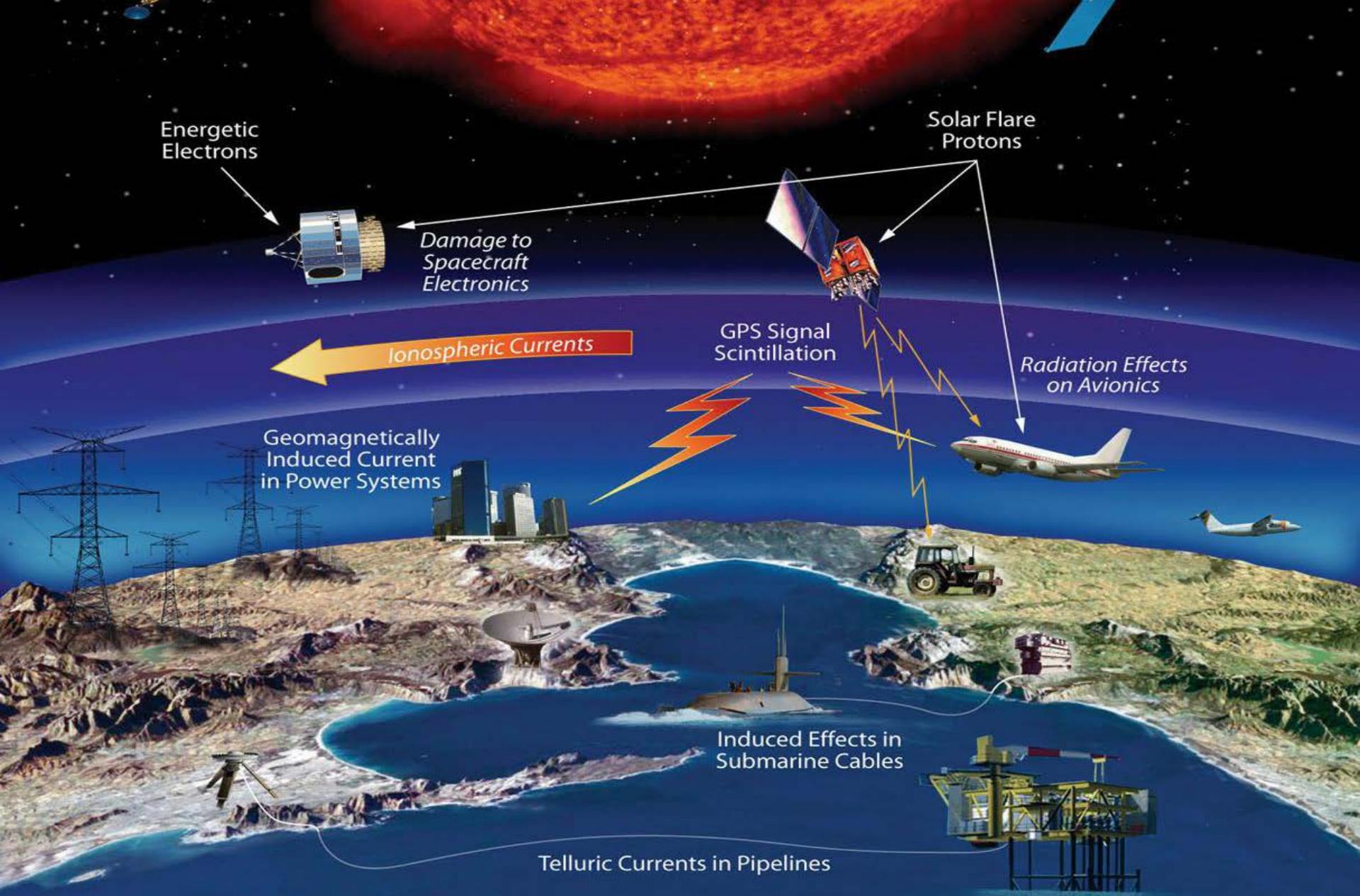
Whilst modest at present, 3D printing has the potential to transform certain parts of manufacturing, and supply chains, over the longer term.

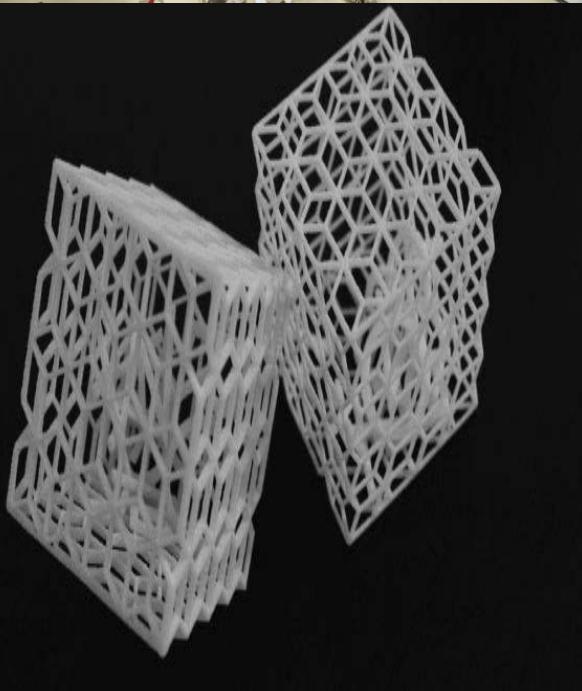
In addition, instead of taking place in bespoke factories, 3D printing will create demand for smaller and more standard premises, opening up opportunities for developers and investors.











# 3D PRINTING REVOLUTIONISING the CLASSROOM

3D Printers have actually been around for about 25 years. Barriers like costs are breaking down, so they are now very affordable and easy to use.

3D Printing has caught the attention of educators who are looking into ways to incorporate it into the classroom.

Using 3D Printers in the classroom could mean:

Biology students can study cross-sections of hearts or other organs.

Chemistry students can print out complex molecules to study.

Engineering students can print modified car or robot parts.

Geography students can print out topography, population or demographics of an area.

Graphic design students can create prototypes of product designs

Food Technology students can design molds and cookie cutter templates

Design and Engineering students can make prototypes of their creations.

Architectural students can print new or existing designs.

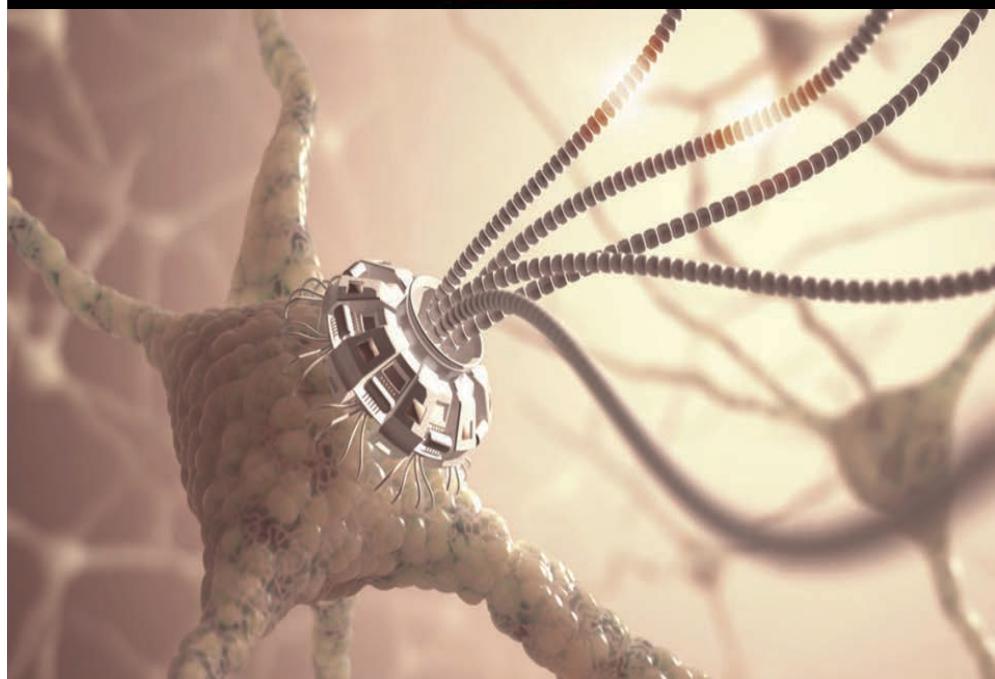
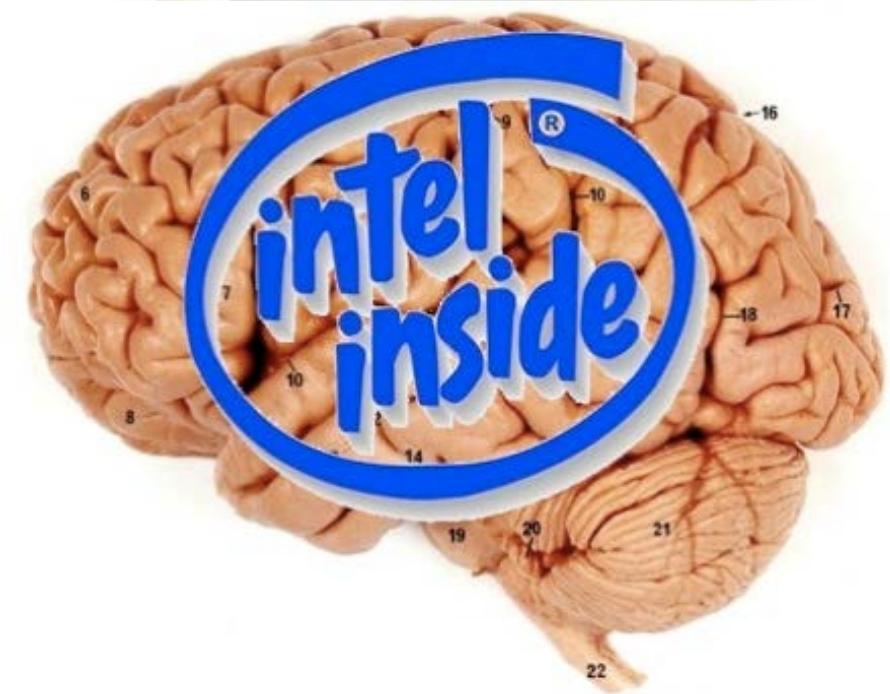
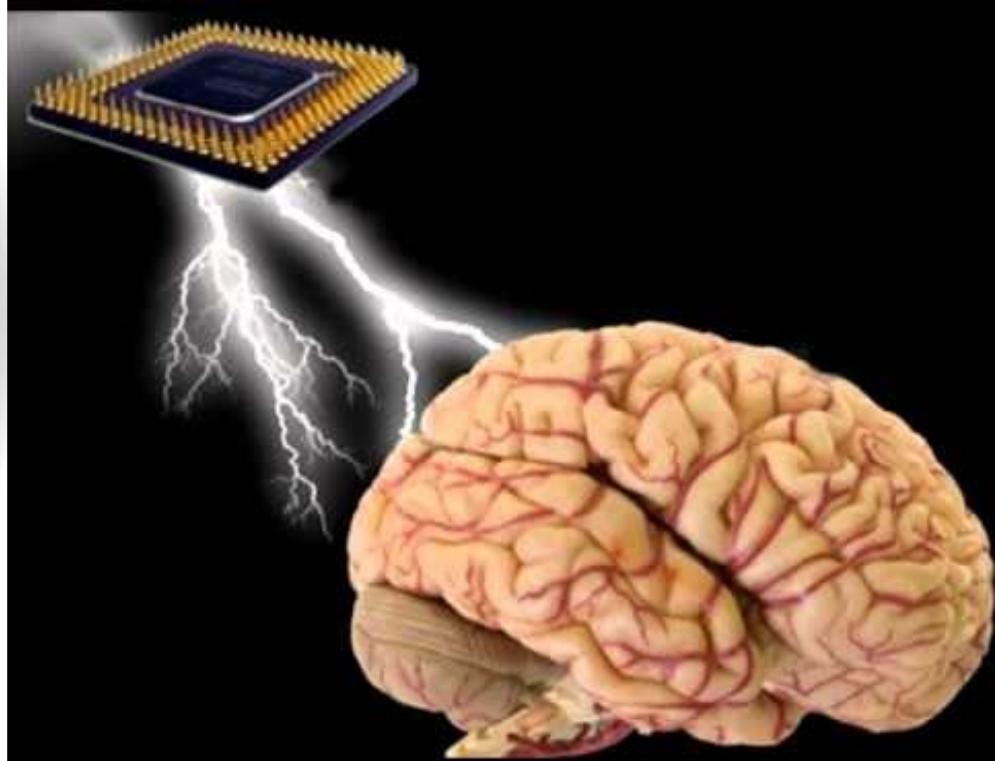
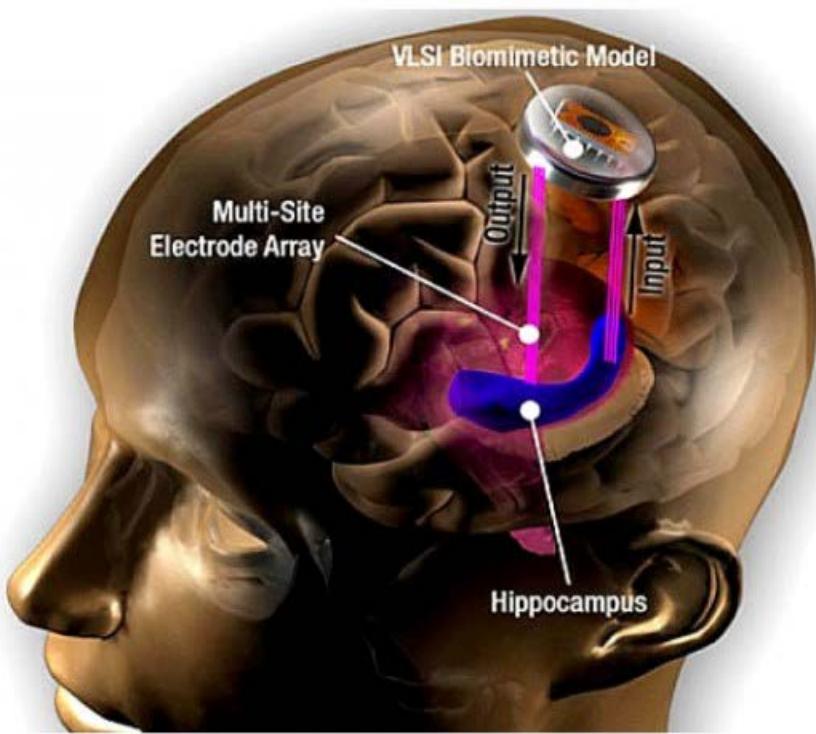
History classes can print artifacts for closer examination

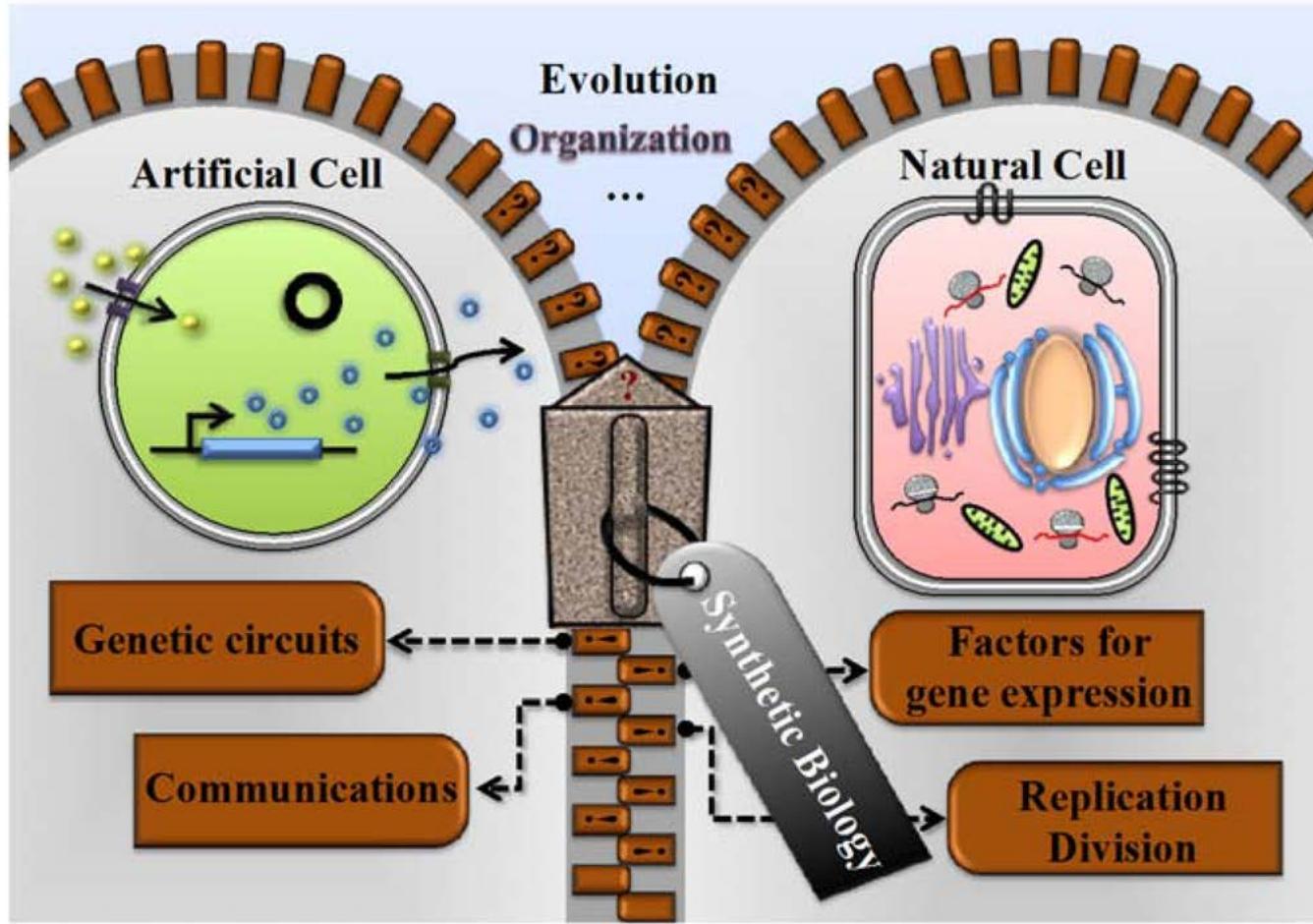
**PRINTING SYSTEMS**  
Unleash your creativity

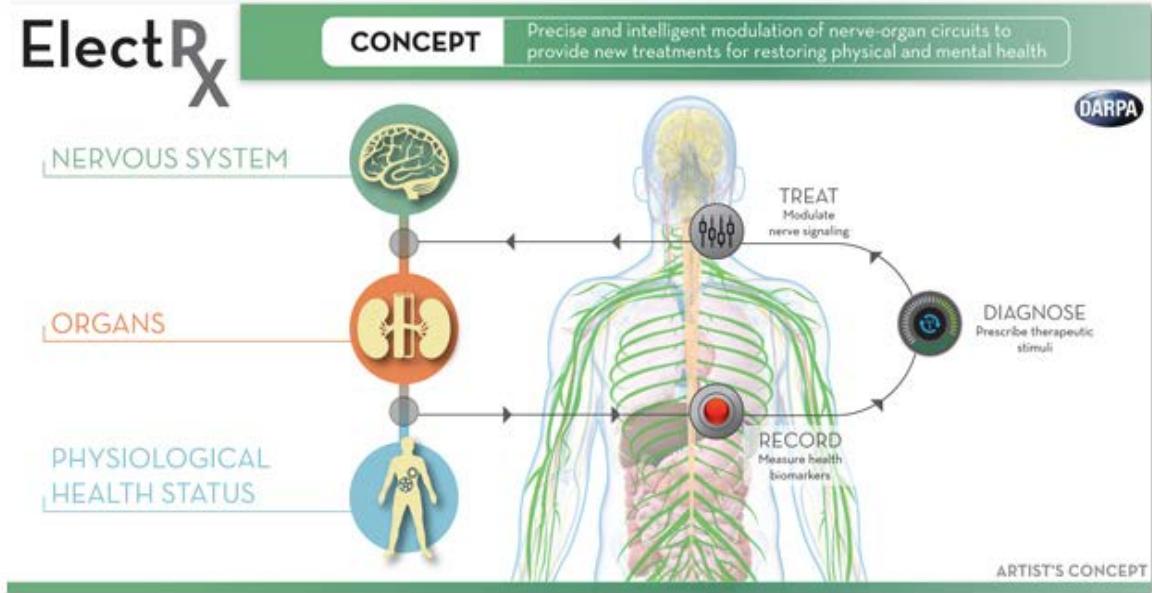
## 3D PRINTING AND THE FUTURE OF MANUFACTURING

A collage of images illustrating various applications of 3D printing in education and manufacturing. It includes photographs of 3D printers, printed objects like a heart, DNA helix, Formula 1 car, map, toy car, cupcake mold, wind turbine, Eiffel Tower, Tyrannosaurus Rex skull, and a man playing a 3D-printed flute. Text overlays explain how different fields like biology, chemistry, engineering, geography, graphic design, food technology, design, and architecture benefit from 3D printing. A logo for "PRINTING SYSTEMS" with the tagline "Unleash your creativity" is also present.









## Exploring the Cancer Genome

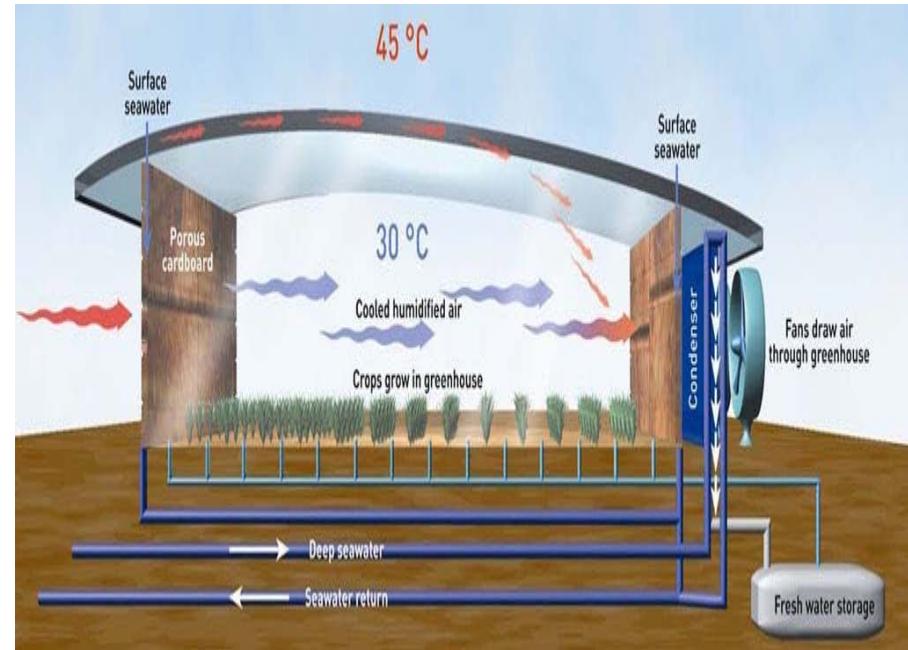
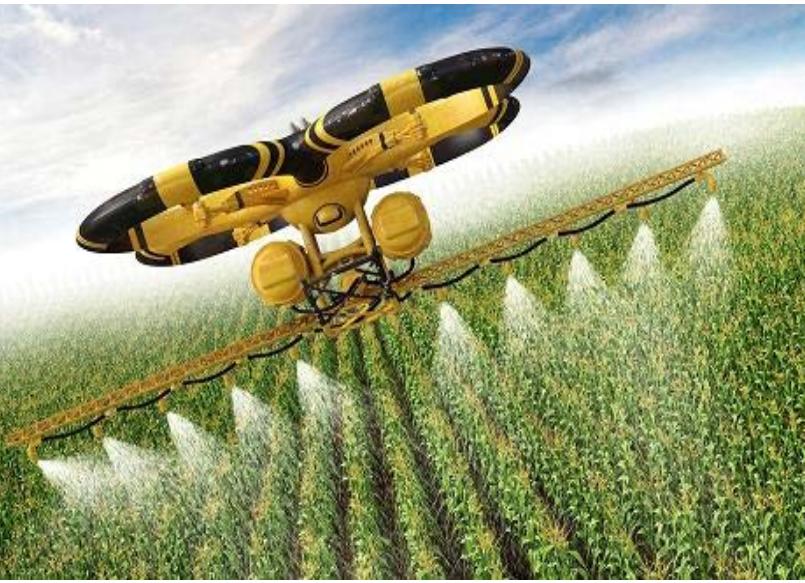




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The word cloud illustrates the interconnected nature of agriculture across different sectors and educational paths. Key themes include:

- Agriculture Sectors:** industry, uni, field, quality, numbers, like, high, boost, land, use, generations, negative, made, local, also, really, HECS, work based.
- Education and Students:** education, students, think, lot, big, professionals, year, never, mention, awareness, career, ag, want, agricultural, get, goals, turn, may, life, loved, graduates, affect.
- Business and Technology:** business, make, knowledge, issue, technology, choices, consumers, rural, already, management, foods, animals, However, believe, able, unique, extra, Australian, changing, one degree, reforms, study, change, started, food, need, currently, capital base, experts, solutions, marketing, number, current, finance, courses, just, male, supply, hands, reform, youth, understand, issues, combine, consumer, competition, media, absolutely, brand, markets.
- Consumers and Farmers:** opportunities, time, past, wanted, home, many, boost, Aus aspects, city, side, help, live, university, away, potential, government, policy, deregulation, farmer, passion, age, products, years, large, however, improve, overall, interested, world, big, professionals, year, never, mention, awareness, career, ag, want, agricultural, get, goals, turn, may, life, loved, graduates, affect.



# *Tweaking the Future*

## Planet Startup™ a 501 (c) (3)

- Talent is equally distributed over our planet, but access to capital markets is not
- Teach emerging tech to young adults to breach the challenge and start an online business
- “Shark Tank” model
- People on the ground
- US, Australia, China, Ghana, and Middle East
- Ongoing classes in Tamale and Agona Swedru
- Partnering with groups around the world - - - making connections to tweak the future
- Investors, mentors, partners, and teachers

**THANK  
YOU**

THANK  
↑