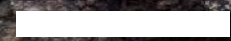




TERRADEPTH

DRAINING THE OCEAN OF IGNORANCE



APSG

RISK ADAPTATION - NOV 2020

# Background



COLD BORE  CAPITAL



EXBELLUM



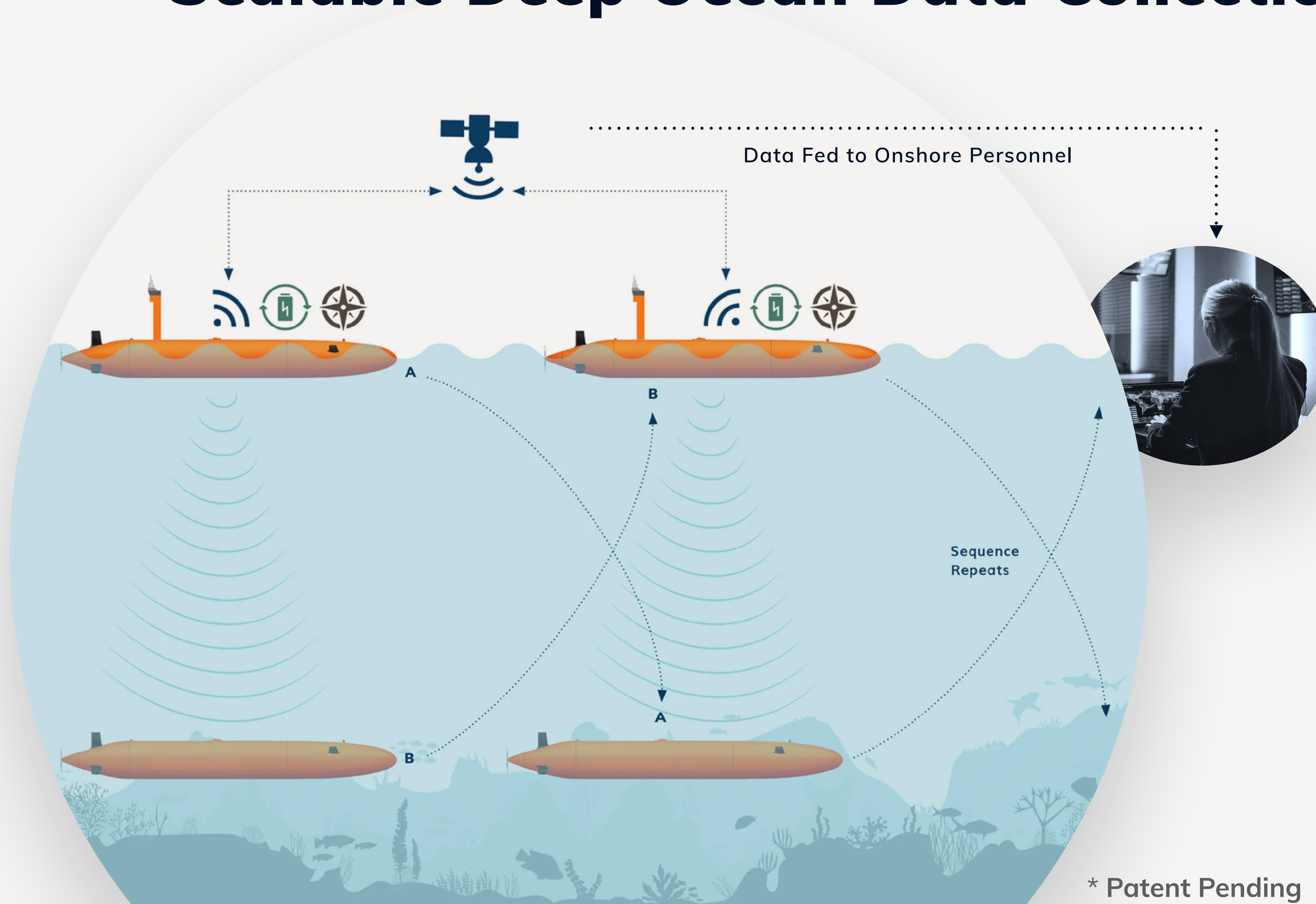
**BUILD A COMPREHENSIVE, ACCURATE, &  
IMMERSIVE VIRTUAL OCEAN**

**MASSIVELY INCREASE DATA AVAILABILITY**

**RADICALLY IMPROVE DATA INTERACTION**

—

# Scalable Deep Ocean Data Collection & Use



## Removes

- Manned surface supervision
- Multiple maintenance plans
- Operating complexity
- Human exposure risk

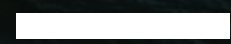
## Adds

- Navigational accuracy
- Sensor modularity
- Water column data collection

# RISK ADAPTATION

Unconscious comfort with heightened risk

Existence in / survival of a set of risk scenarios



EXPOSURE TO THE INSIDIOUS & EXTERNAL

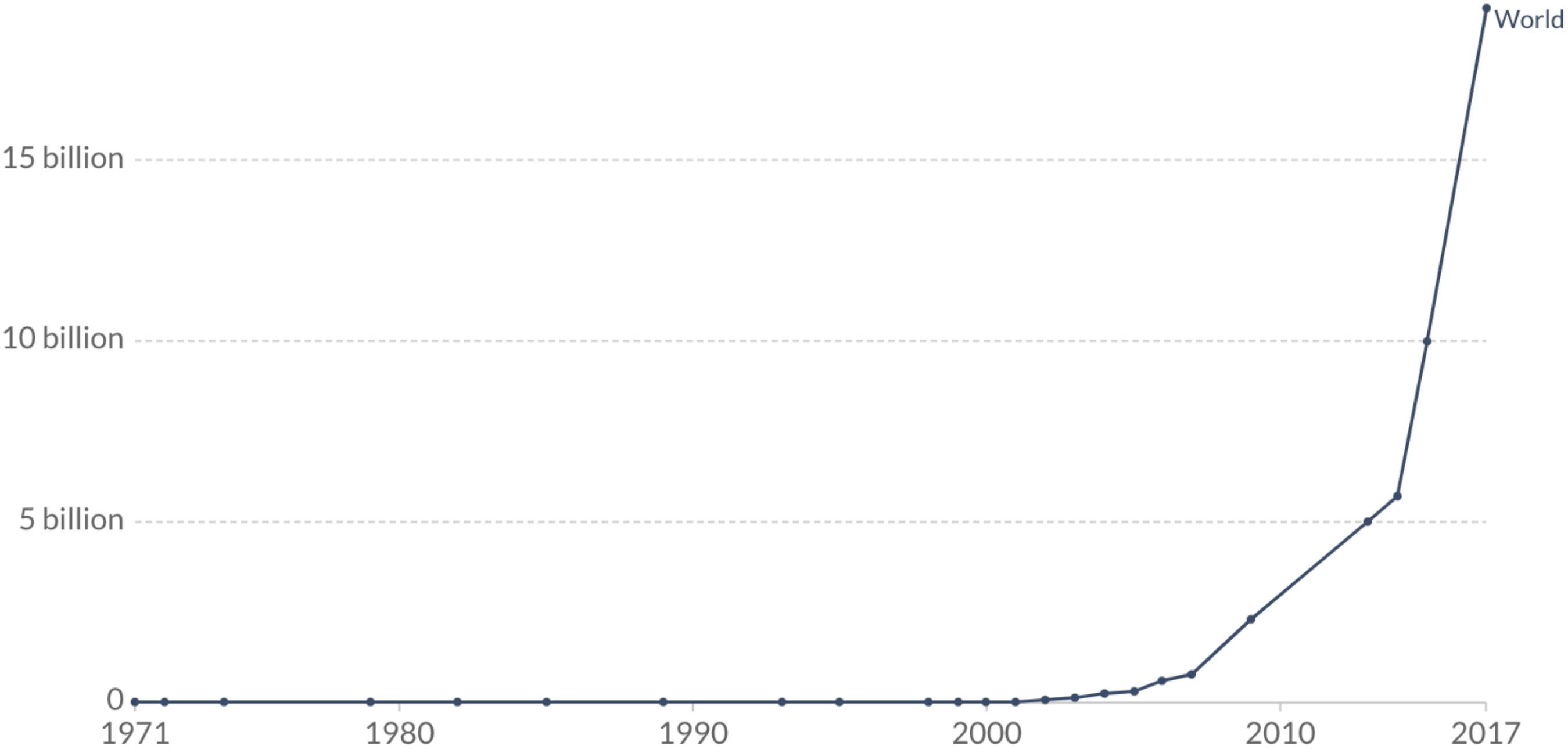
# MOORE'S LAW

## Moore's Law: Transistors per microprocessor

Our World  
in Data

Number of transistors which fit into a microprocessor. This relationship was famously related to Moore's Law, which was the observation that the number of transistors in a dense integrated circuit doubles approximately every two years.

LINEAR LOG



Source: Karl Rupp. 40 Years of Microprocessor Trend Data.

CC BY



CHART

TABLE

SOURCES

DOWNLOAD

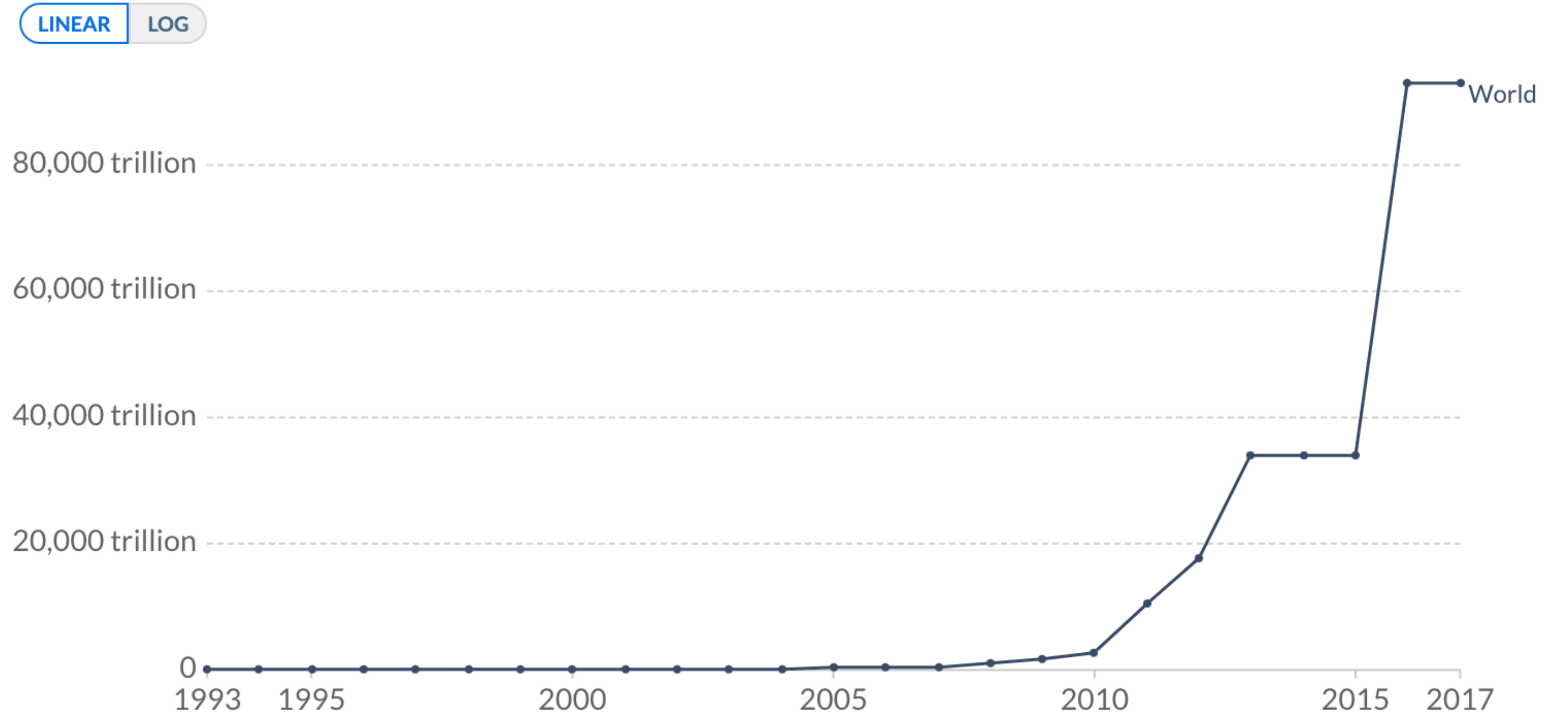


# FLOPS

## Supercomputer Power (FLOPS), 1993 to 2017

Our World  
in Data

The growth of supercomputer power, measured as the number of floating-point operations carried out per second (FLOPS) by the largest supercomputer in any given year. (FLOPS) is a measure of calculations per second for floating-point operations. Floating-point operations are needed for very large or very small real numbers, or computations that require a large dynamic range. It is therefore a more accurate measured than simply instructions per second.



Source: TOP500 Supercomputer Database

CC BY



CHART

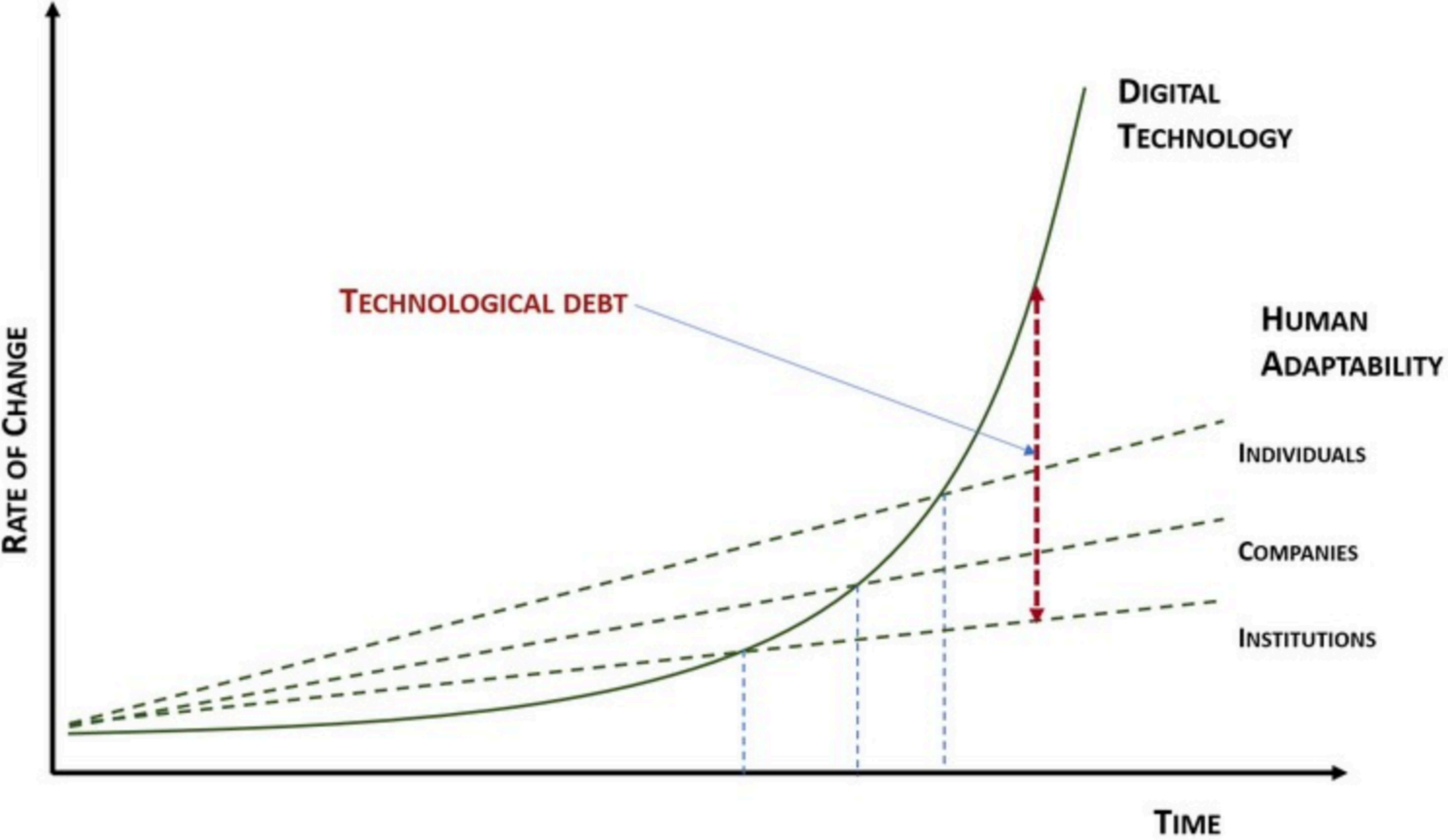
TABLE

SOURCES

DOWNLOAD



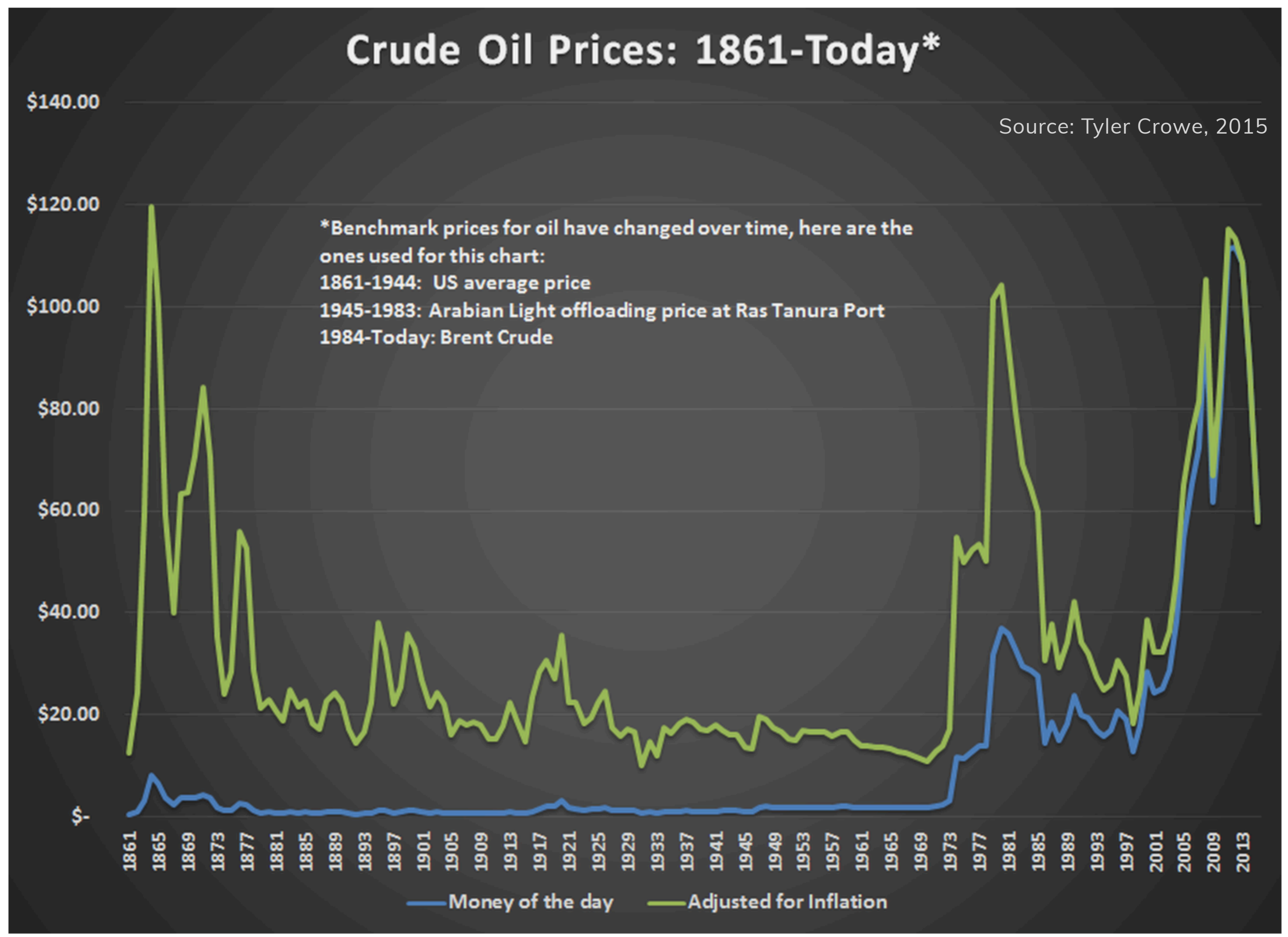
# THE DEBT



Source: Fabrizio Bocci, Digital Transformation & Technological Debt, Feb 2019



# COMPETENCE IN RISK



**THE 4 C'S:**

Competence



Catastrophe

Confidence

Complacency

**COMPLACENCY**

**IS BRED**

**FROM**

**HARD**

**WORK**

# It's All About Perspective: Antifragility Lens

Resource Owners

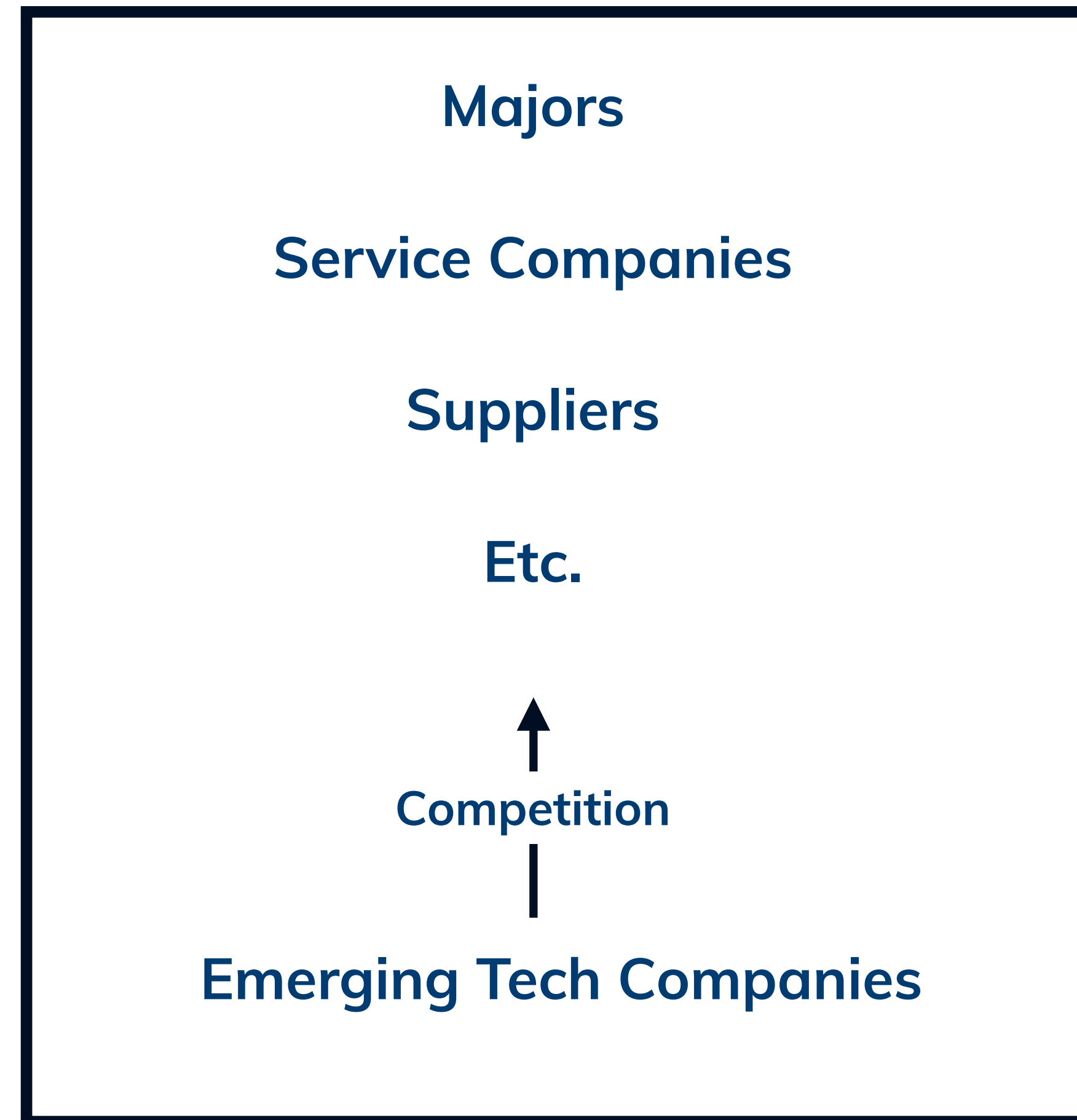
Resource Arbiters

Resource Providers

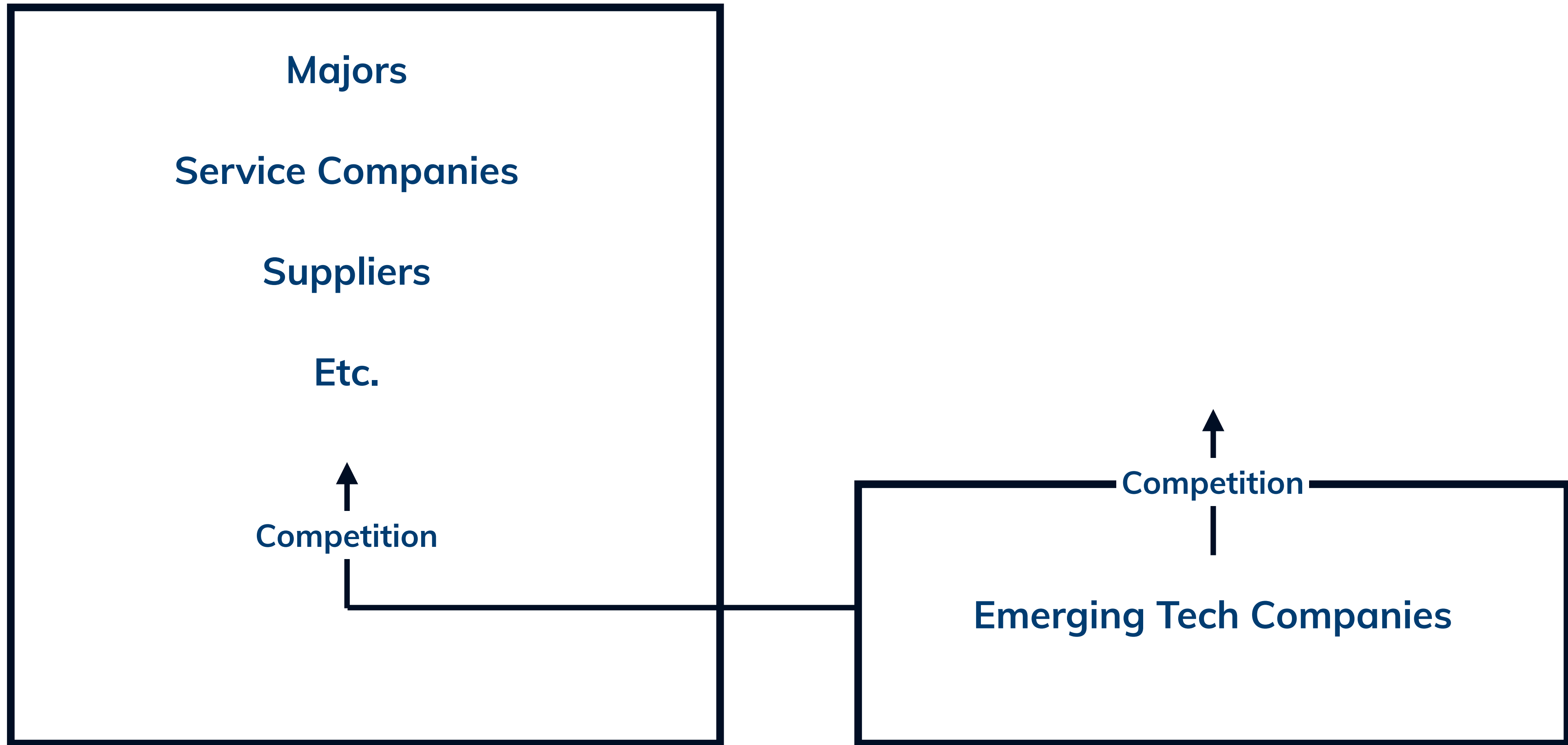
Resource Competitors



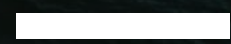
# A Traditional View



# What About This?



What if the emerging tech companies that survive in the ecosystem  
aren't the ones  
that allow  
the ecosystem  
to survive?





**CONSTANT OBSERVATION**

**HOW TO:**

Avoid Complacency  
Continue Risk Adaptation



## HOW TO:

Avoid Complacency  
Continue Risk Adaptation

**CONSTANT OBSERVATION**

**INVESTMENT FROM ANALOGY**





**HOW TO:**

Avoid Complacency  
Continue Risk Adaptation

**CONSTANT OBSERVATION**

**INVESTMENT FROM ANALOGY**

**BE A STUDENT OF RISK**

**Change your risk adaptations.  
Survive & win.**





**THANK YOU**