Impact Investing and Social Entrepreneurship for Sustainable Development:

Harnessing the Power of Blockchain Technology to Achieve Maximum Impact

United Nations Technovation Talks
August 17, 2017

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#TechnovationTalks

SDG Activist

Impact Investor

Social Entrepreneur

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Blockchain Technovation

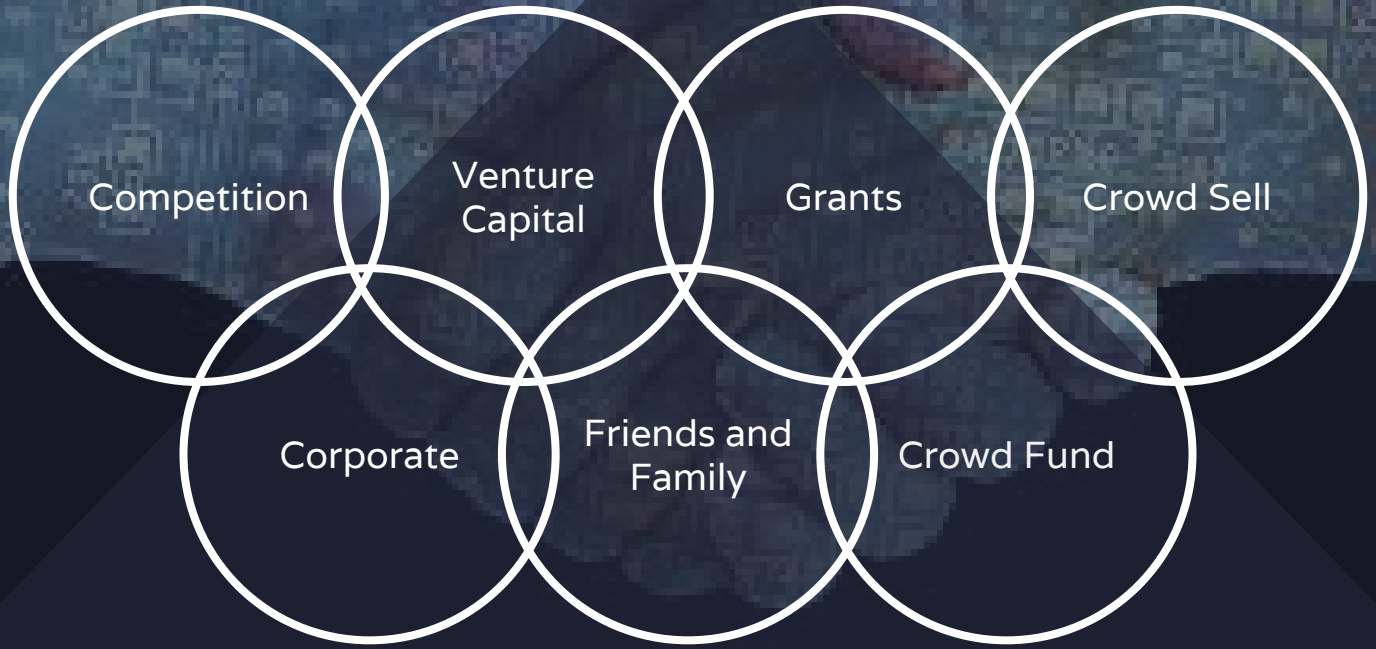
1. Impact Investing
2. Social Innovation
3. Sustainable Development

Impact Investing

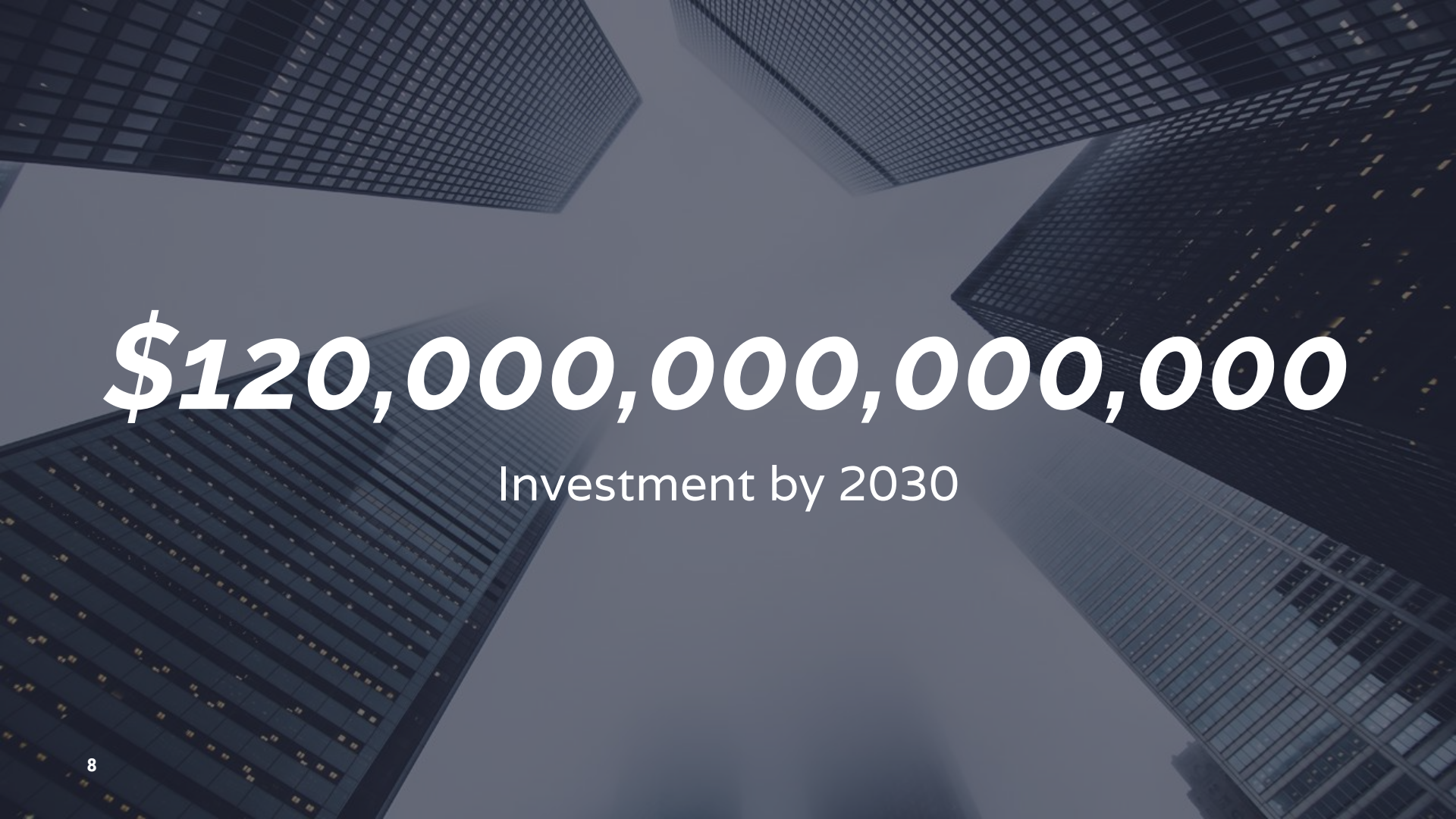
Impact Investing

1. For Profit
2. Nonprofit
3. Public

Funding Sources



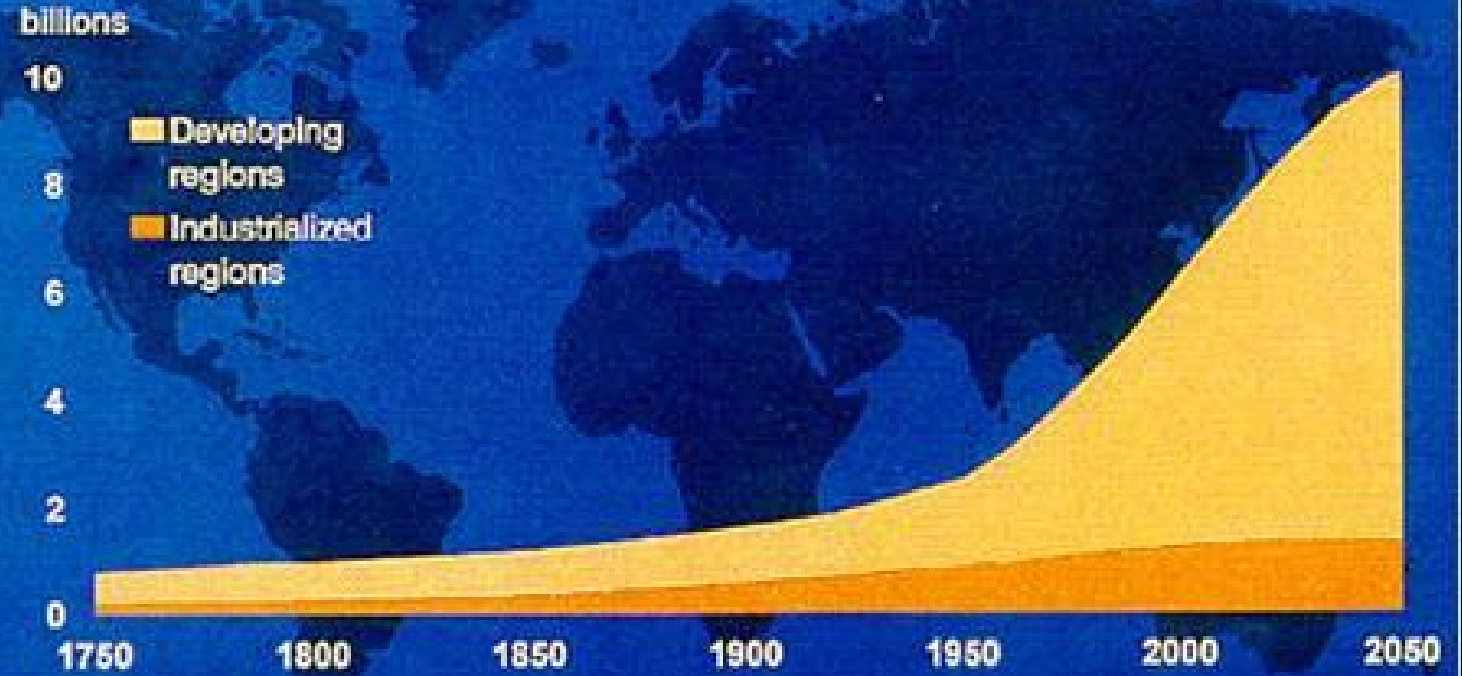
SUSTAINABLE DEVELOPMENT GOALS
1 NO POVERTY
2 ZERO HUNGER
3 GOOD HEALTH AND WELL-BEING
4 QUALITY EDUCATION
5 GENDER EQUALITY
6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
10 REDUCED INEQUALITIES
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION
14 LIFE BELOW WATER
15 LIFE ON LAND
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS
SUSTAINABLE DEVELOPMENT GOALS



$120,000,000,000,000

Investment by 2030

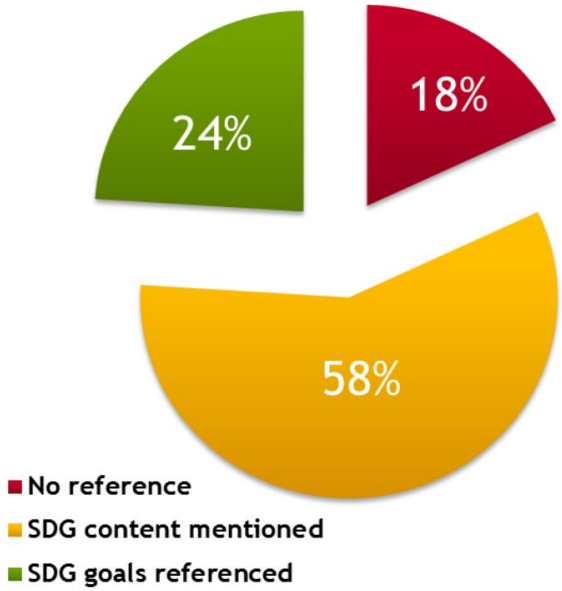
World Population Growth

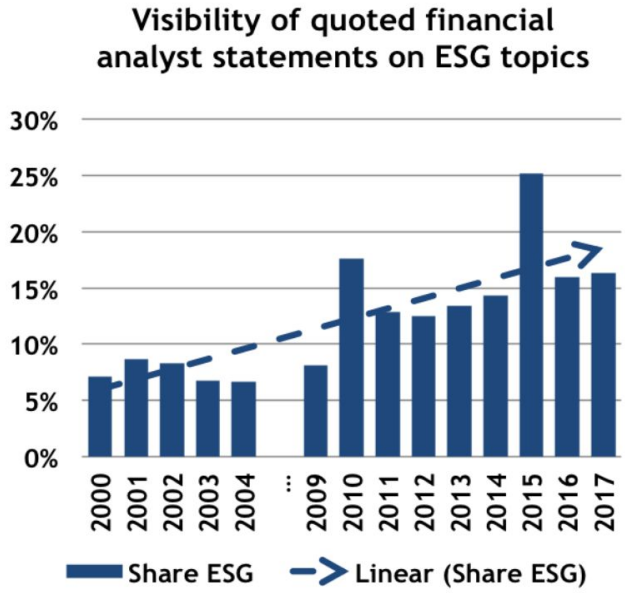


World Resources Institute

Sources: United Nations Population Division and Population Reference Bureau, 1993.

In their Annual Report 2016 over 80% of the companies recognize importance of the SDGs

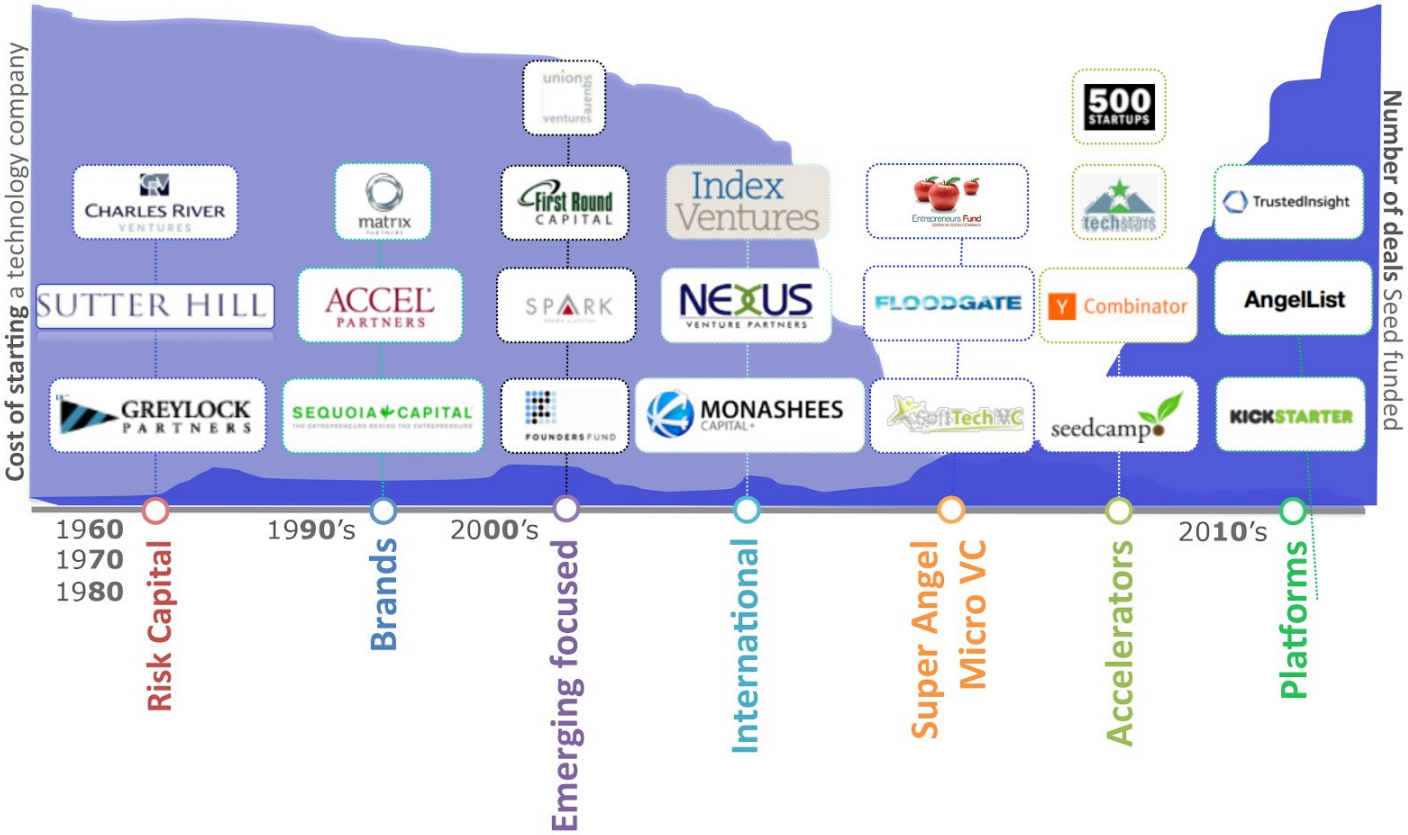




ESG = Environment, Sustianability & Governance

In the first annual reports after ratification of the SDGs, companies with a combined market cap of $ 9.781 trillion recognized the importance of providing data on sustainability. One factor: The increased interest from financial analysts on ESG-topics from 6% (2000) to 16% (2017).

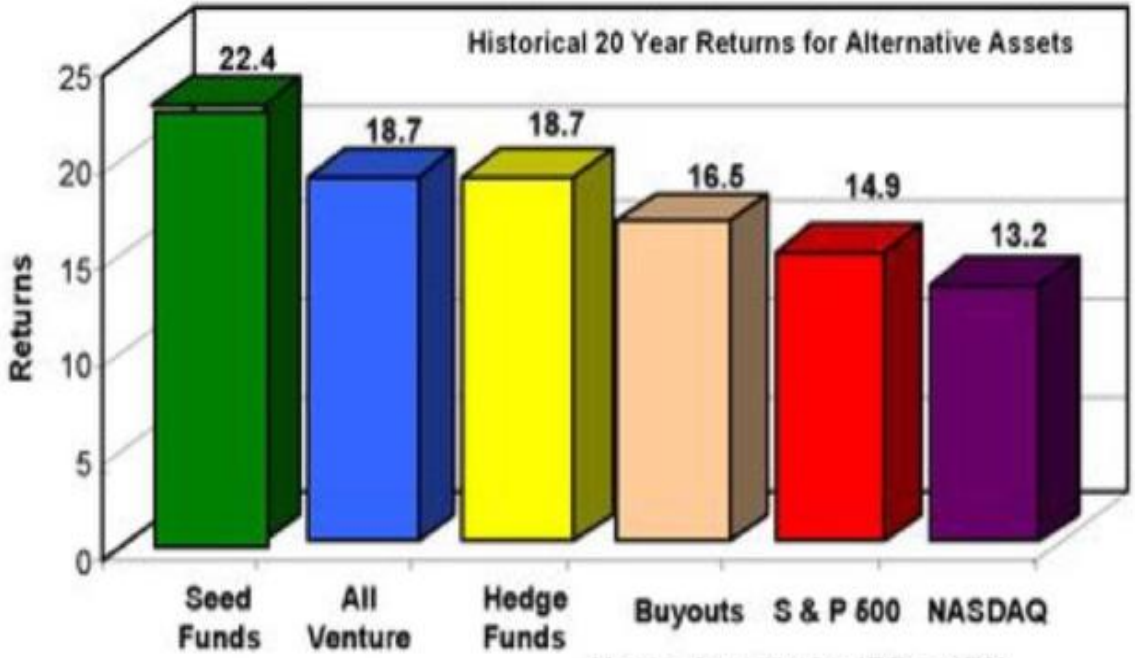
History and evolution of Venture Capital



ANGEL CAPITAL EDUCATION FOUNDATION

Founded by KAUFFMAN The Foundation of Entrepreneurship

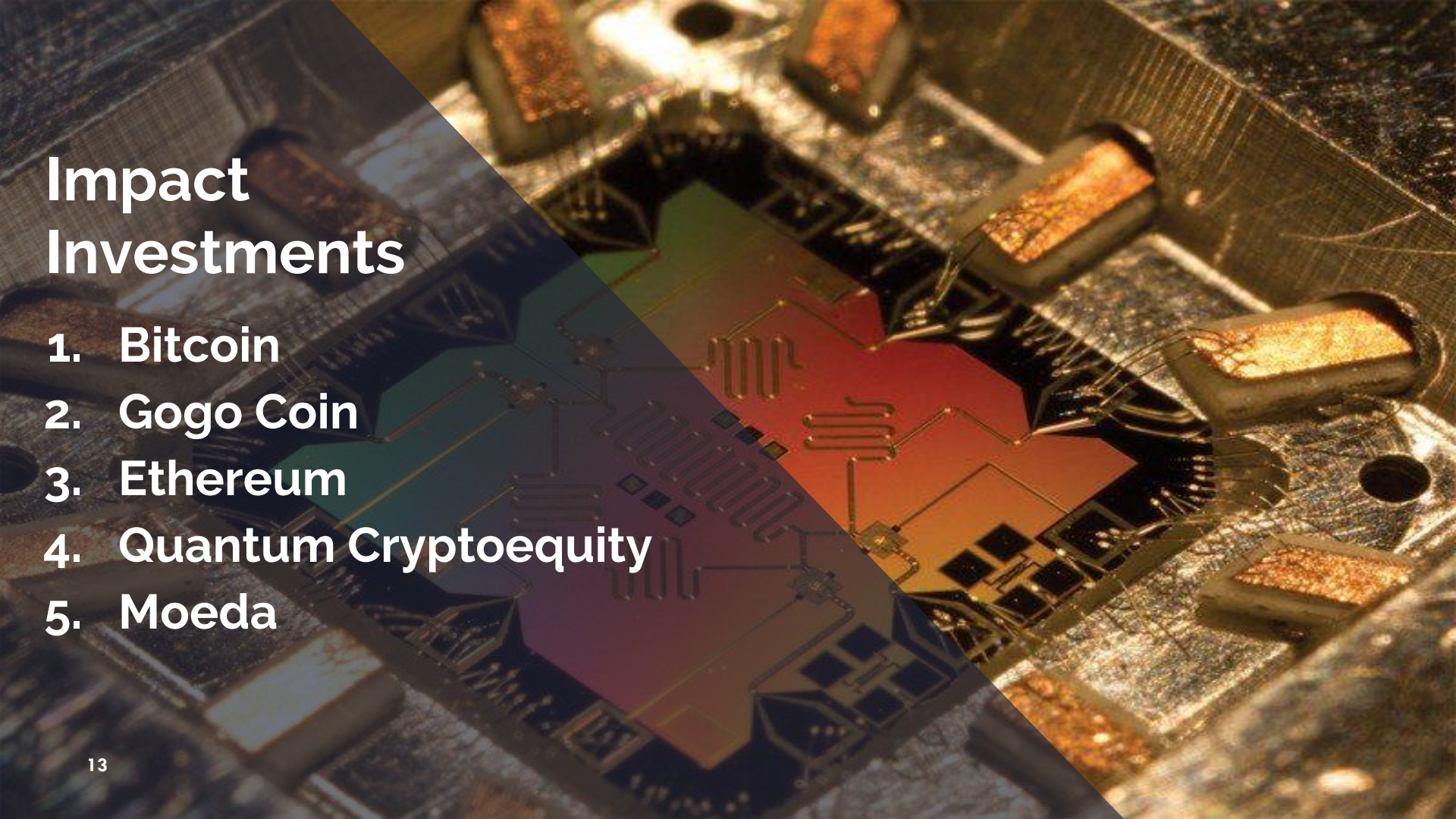
Angel Returns: 20-25% Per Year?



November study: IRR = 27% or 2.6X in 3.5 years

Rob Wiltbank, Willamette University

Source: Venture Economics, HFRI Equity Hedge Index



Impact Investments

1. Bitcoin
2. Gogo Coin
3. Ethereum
4. Quantum Cryptoequity
5. Moeda

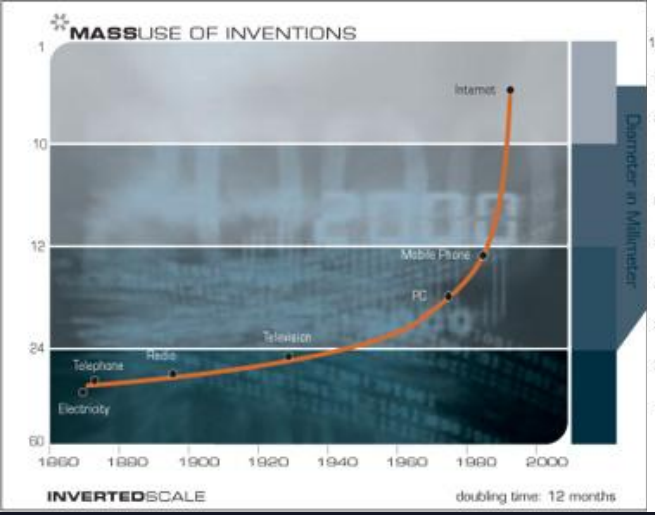
Global Charts

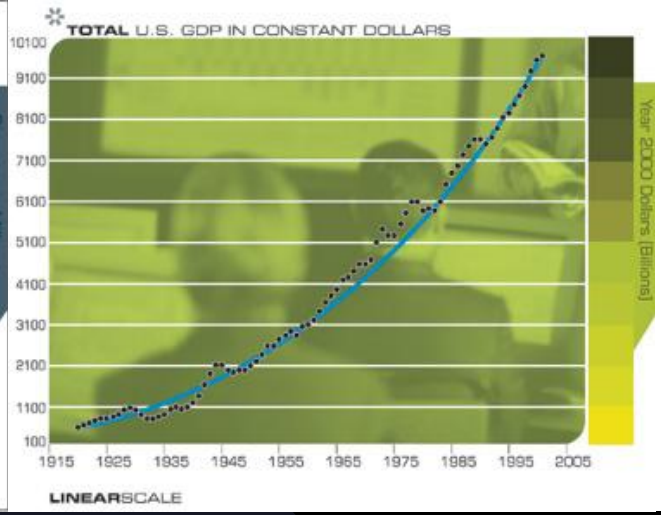
Total Market Capitalization

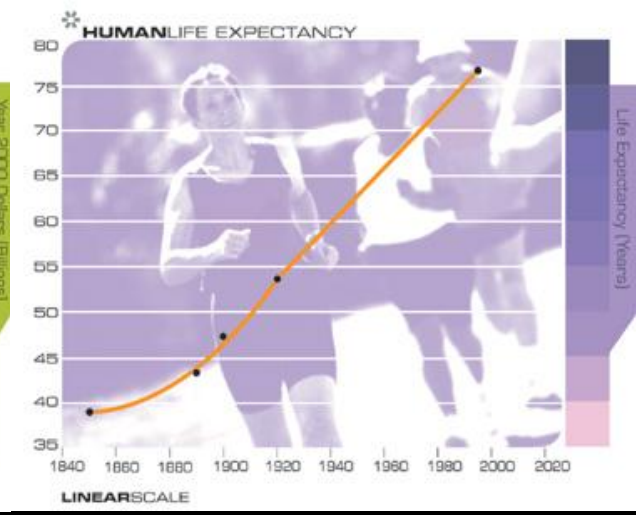
Global Charts

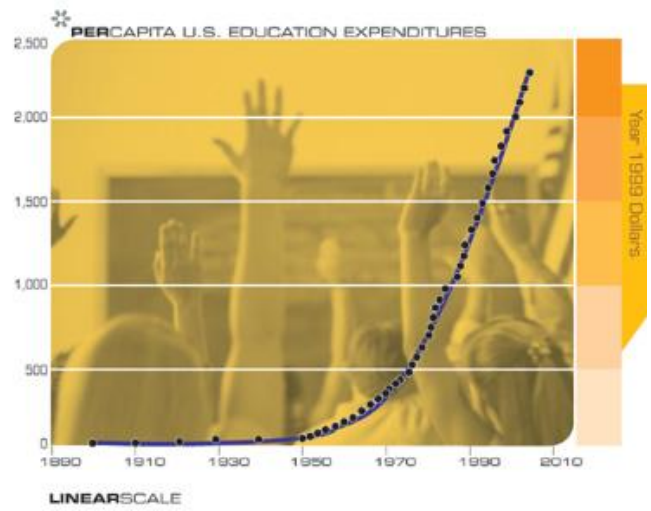
Total Market Capitalization

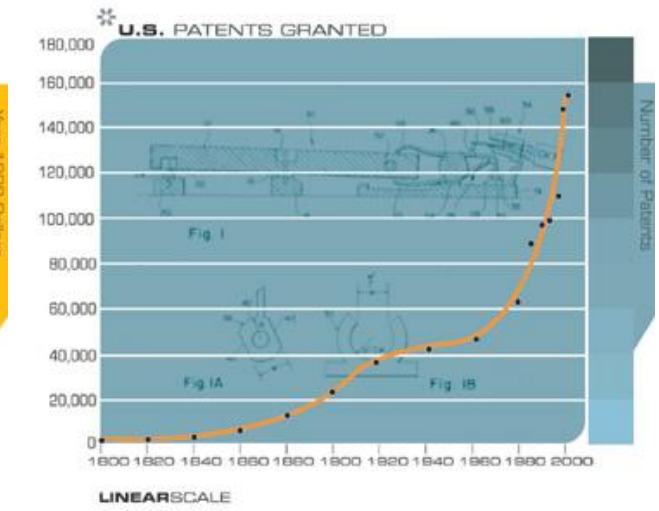
Social Innovation

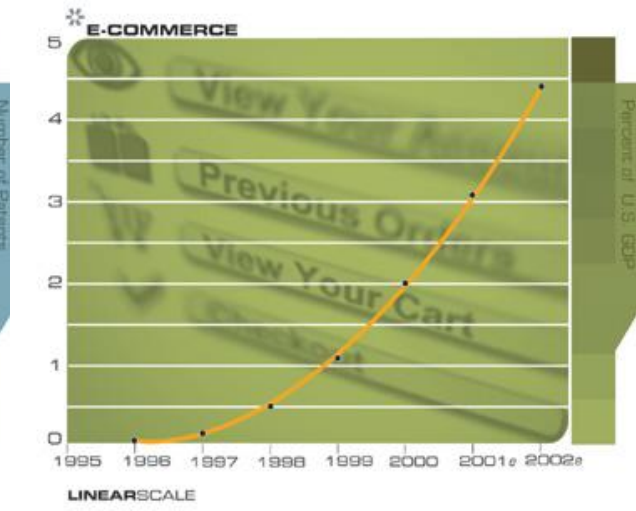

MASSUSE OF INVENTIONS
Internet
Mobile Phone
PC
Television
Radio
Telephone
Electricity
1
10
12
24
60
1860 1880 1900 1920 1940 1960 1980 2000
Diameter in Millimeter
INVERTEDSCALE
doubling time: 12 months

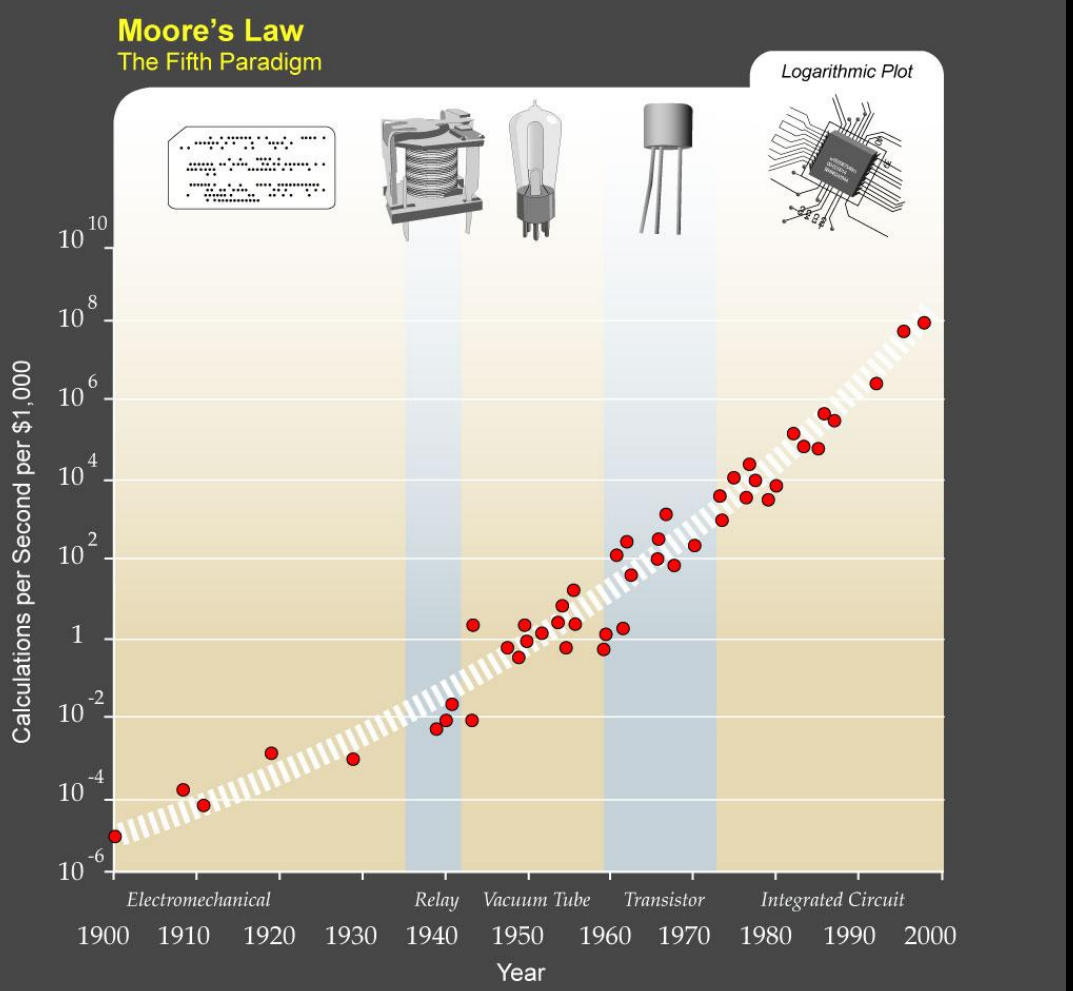

TOTAL U.S. GDP IN CONSTANT DOLLARS
10100
9100
8100
7100
6100
5100
4100
3100
2100
1100
100
1915 1925 1935 1945 1955 1965 1975 1985 1995 2005
Year 2000 Dollars (Billions)
LINEARSCALE


HUMANLIFE EXPECTANCY
80
75
70
65
60
55
50
45
40
35
1840 1860 1880 1900 1920 1940 1960 1980 2000 2020
Life Expectancy (Years)
LINEARSCALE

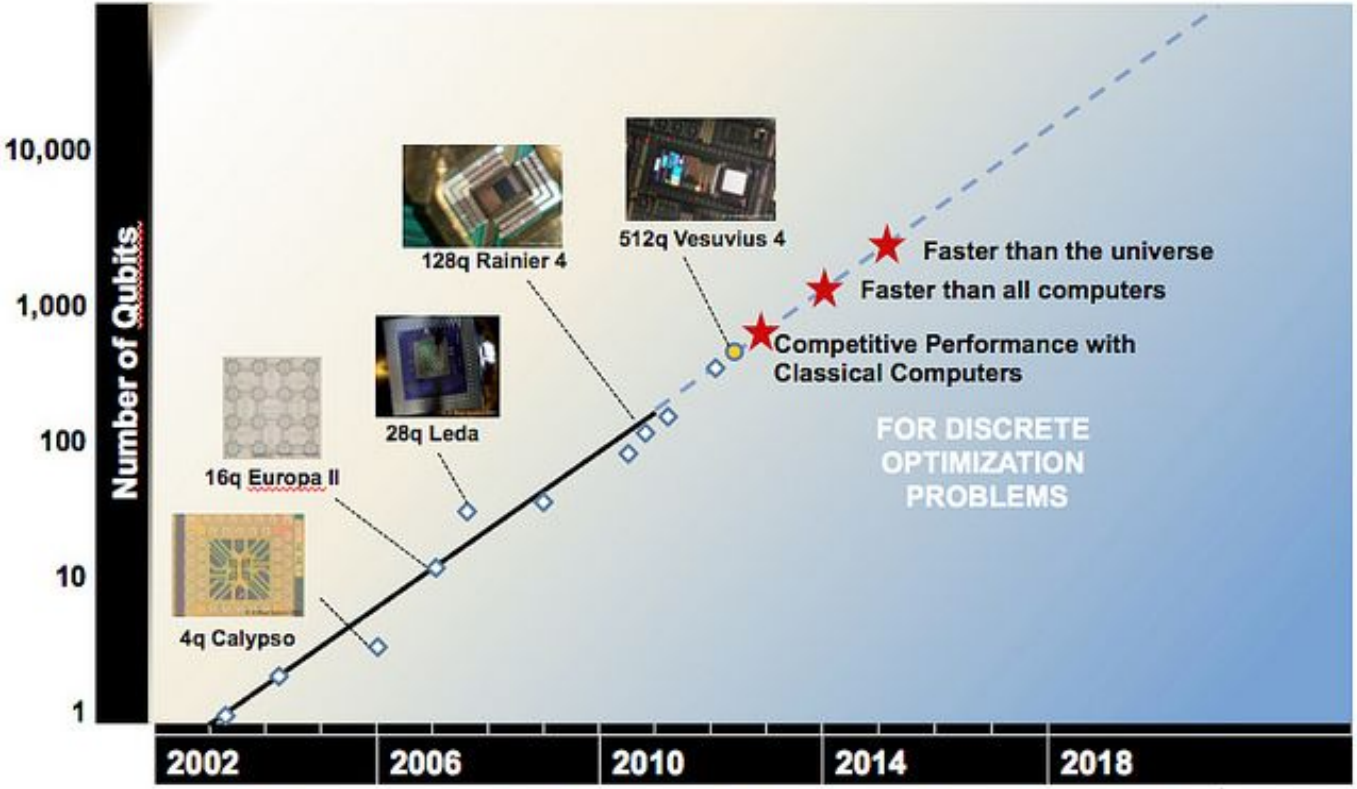

PERCAPITA U.S. EDUCATION EXPENDITURES
2,500
2,000
1,500
1,000
500
0
1890 1910 1930 1950 1970 1990 2010
Year 1999 Dollars
LINEARSCALE


U.S. PATENTS GRANTED
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
0
Fig. I
Fig. IA
Fig. IB
1800 1820 1840 1860 1880 1900 1920 1940 1960 1980 2000
Number of Patents
LINEARSCALE


E-COMMERCE
5
4
3
2
1
0
1995 1996 1997 1998 1999 2000 2001e 2002e
Percent of U.S. GDP
LINEARSCALE


Moore's Law
The Fifth Paradigm
Logarithmic Plot
Calculations per Second per $1,000
10^{10}
10^{8}
10^{6}
10^{4}
10^{2}
1
10^{-2}
10^{-4}
10^{-6}
Electromechanical
Relay
Vacuum Tube
Transistor
Integrated Circuit
1900
1910
1920
1930
1940
1950
1960
1970
1980
1990
2000
Year

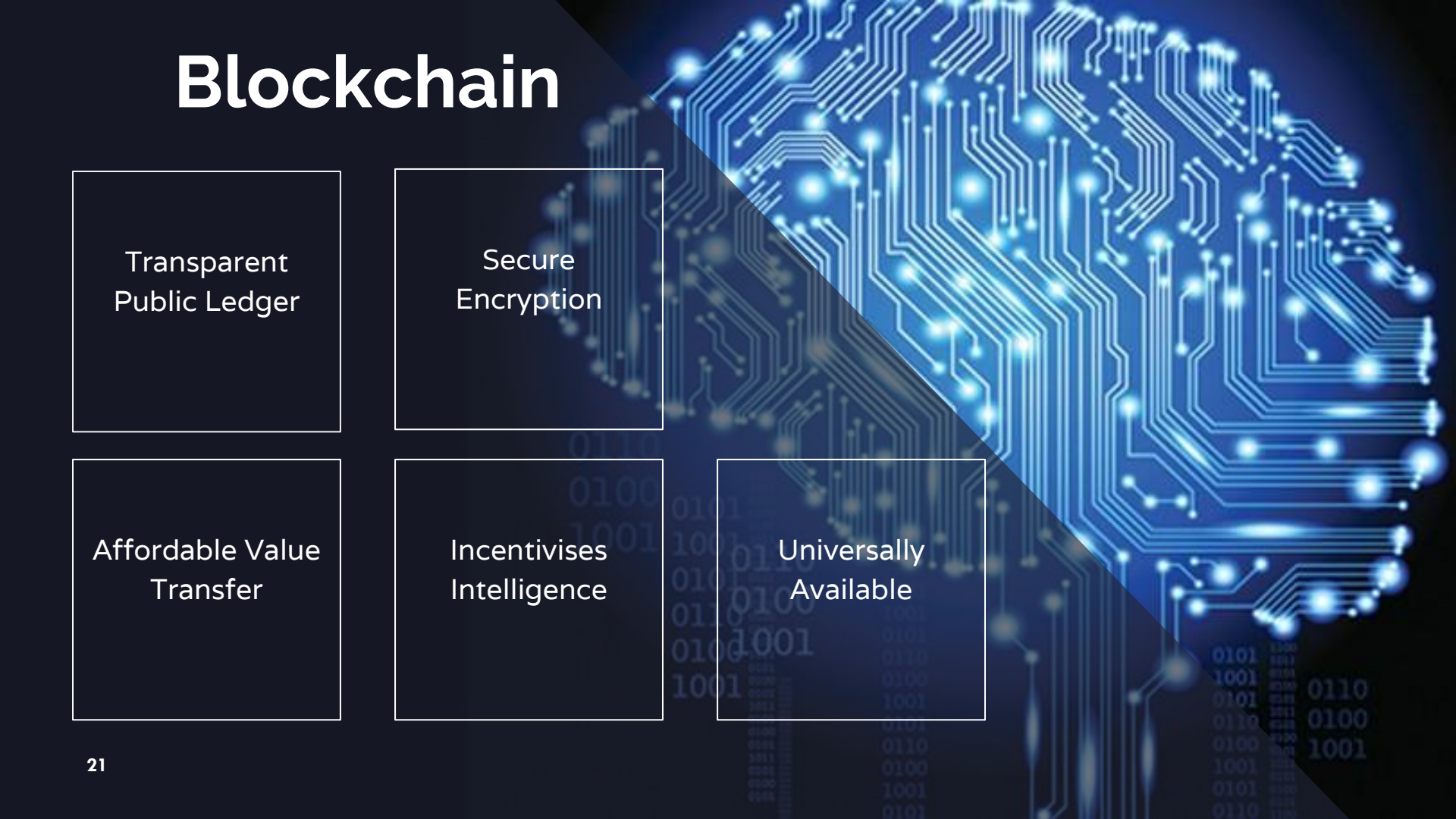
Rose's Law



"Quantum computers have the potential to solve problems that would take a classical computer longer than the age of the universe." — Professor David Deutsch, Oxford

Sustainable Development

Blockchain



Transparent Public Ledger

Secure Encryption

Affordable Value Transfer

Incentivises Intelligence

Universally Available

UNIDO - United Nations Industrial Development Organization was live.

Like This Page · 16 January ·

Now live: participants of the youth entrepreneurship workshop present their ideas for social entrepreneurship that use blockchain tech to help achieve #SDGs! Vote for the most innovative in the comments.

11,215 Views

Love Comment Share

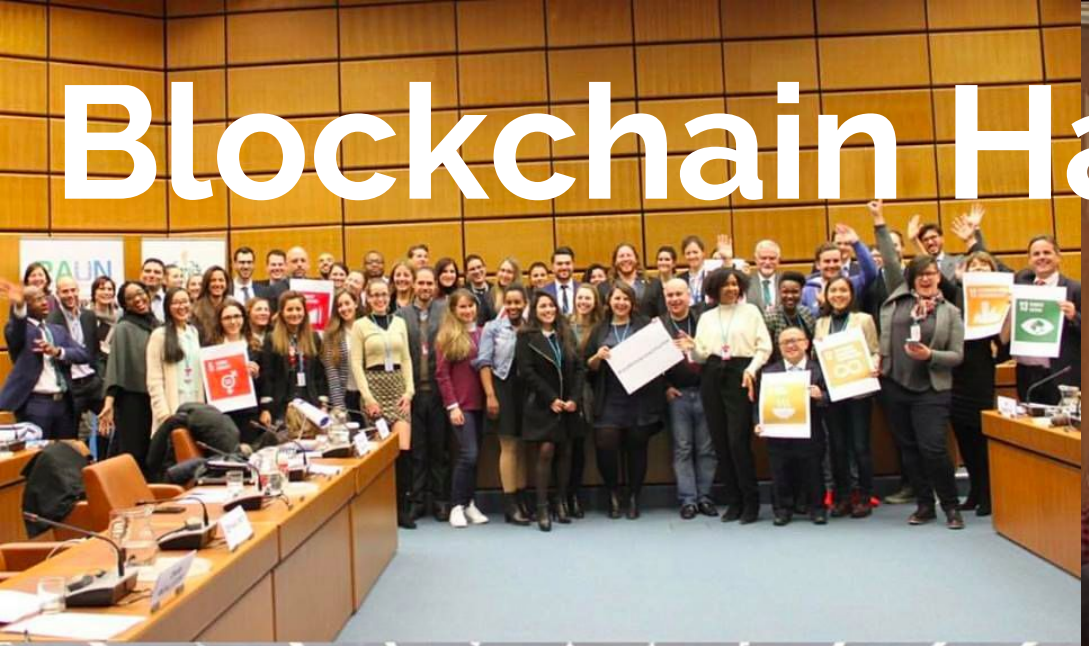
728 Top comments

308 shares 2.8k comments

UNIDO - United Nations Industrial Development Or

· 0:05 The pitches of SDG 6 and SDG 7!

Blockchain Hackathons



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Thank you!

@AriEisenstat