#### The Slow Pace of Big Change Disrupting the Real Estate Sector *From the Inside Out*







## The Slow Pace of Big Change

#### 2007 2017



# Why Software is Eating the World...

#### THE WALL STREET JOURNAL.

By MARC ANDREESSEN

August 20, 2011





## **Four Futures Thinking**









#### Continued Growth

#### Disciplined Constrained

#### Transformed

Decline Collapse

# **Foresight: The Ability to Describe Our Four Futures**









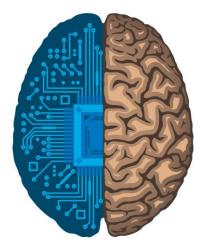
Continued Growth

#### Disciplined Constrained

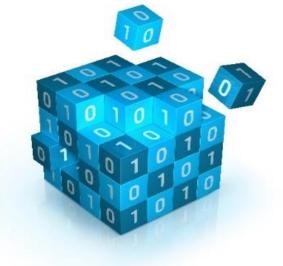
# Transformed

Decline Collapse

#### **Drivers of Change 2020 – 2030**



Data Disruption Nature of Our Work



#### **Blockchain** Trusted Transactions & Programmable Assets



# In the News

Stanford Business School is piloting a program with **Experience.ai** to capture experience data from learning, project performance and decision processes within case study groups. Stanford's vision is for every student to retain rights to experience data and build a critical personal digital asset for the future.







# Context of the Creepy Line

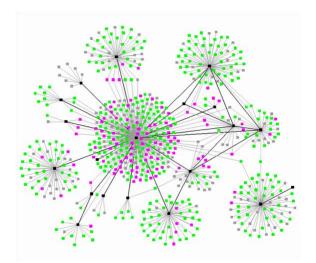
Inevitability of Dealing with the Creepy vs Compelling Line in..

# **Data-Driven Future of Work**

## Data as an Asset Class for Individuals, Society & Enterprise



## The Big Idea...







**'Graph' Era of Connected Data**  Era of Social Graphs Era of Experience Graphs

## **2020s: Experience Data Appears Inside Workplace**





"I did this..."

Statements

Seamless Integration into Enterprise Software



#### **Scenario: People Build Out Assets of Experience Analytics**

□ Sarah *read* an article on blockchain for automating compliance

- Sarah **opened** an Evernote folder on blockchain solutions
- □ Sarah *watched a* Youtube video introducing the Ethereum blockchain
- □ Sarah *searched* for Ethereum Meetups in NYC
- □ Sarah *attended* the Crypto Compliance conference in NYC
- □ Sarah *mentored* with Joe Lubin co-Founder of startup Consensys
- Generation Stract Strain Solutions at JPM organ
- □ Sarah *took* a course on developing on Ethereum using Solidity programming language
- □ Sarah *demonstrated* her pilot Ethereum application at a NYC Meetup
- Sarah taught a Coursera MOOC on Ethereum for KYC / AML
- Sarah was hired as Lead Developer of Blockchain Compliance Solutions at Fidelity

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**"I did this..."** Statements

#### **Enterprise L&D: Early Adopters Socializing Experience Data**

#### How did we do it?: Where are we now?



April 2018:

Over 3 million statements so far

Over **110,000** learners who are sending xAPI statements

We are using 1 LRS system which is segmented by data for each country Last three months increased our total by 1 million statements

#### *Summer 2019:*

We will have 250,000+ learners using it and sending xAPI

We will have a global learning analytics community of around 100 people whose role (full/part) is to look at learning data and help transform our learning

Start small and grow...this is a long journey

 $\triangleright$ 

#### **Scenario for 2020s: Lead Performers Embrace Experience Analytics**



**Assumption to Explore** 

<sup>and</sup> Controversial By 2025, Experience Data Will Become Our Most Valuable Internal & Client Asset for AI-Driven Innovations



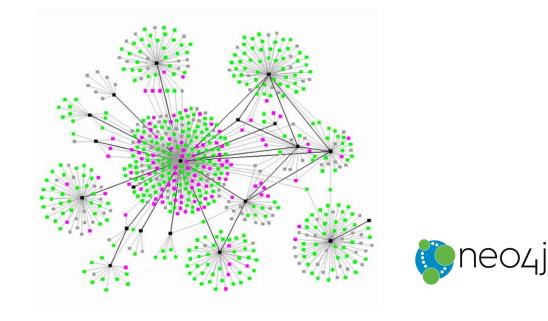
"I did this..." **Statements** 

How do we approach regulatory? How do we avoid the creepy line? How do we make sense of it?

#### How Your Company Organizes 'Connected Data' Will Matter!

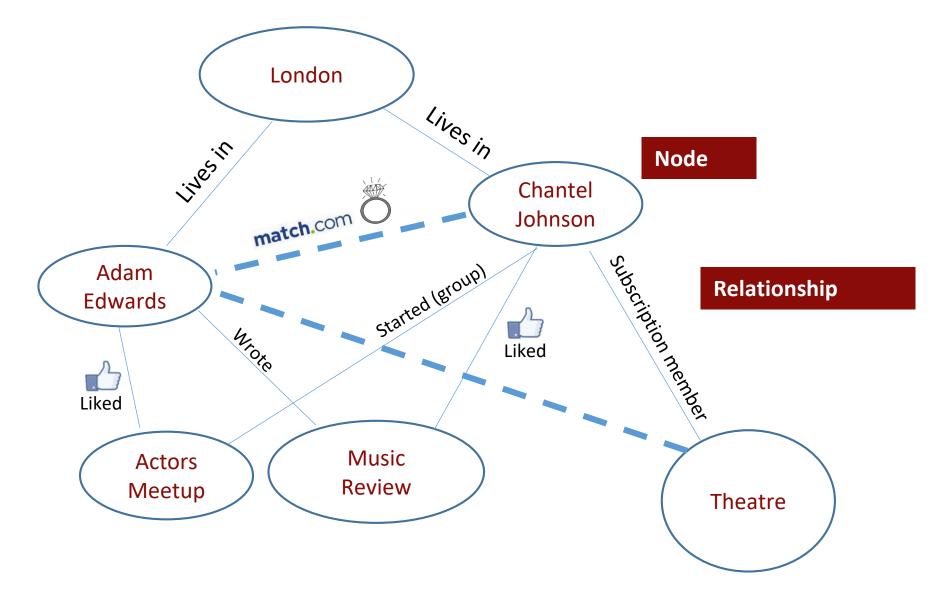
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Field1	Field2	Field3	Field4	Field5	Field6	Field7	Field8			

Tables = Past

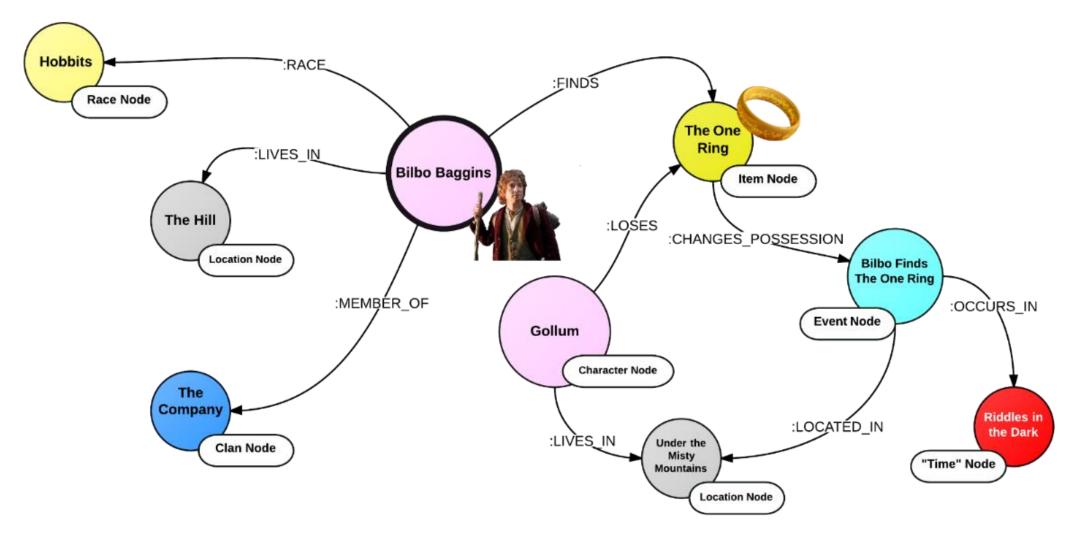


#### Graph Analytics = Future

#### **Graph Analytics = Actions based on Relationships + Connections**



#### **Graph Analytics Transform Work & Project Performance**



Mirrors the Real World to Reveal

Influencer Profiles, Decision Pathways and Recommendations

#### **Could Experience Graphs Help us Understand More.. Improve Outcomes?**

Imagining value to create and capture in understanding:

- Procedural Tasks
- Cognitive Tasks (Complex decision; Problem Solving)
- Interaction with Tools
- Interactions Across Teams,Partners & Clients



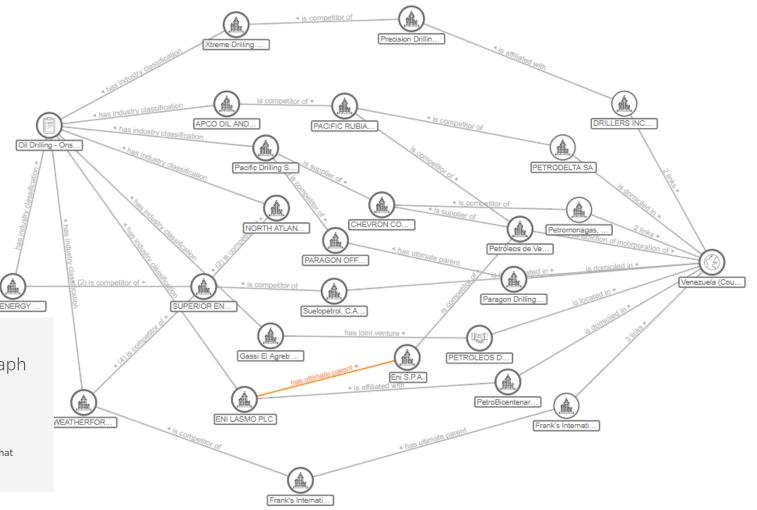
#### **Real World Product = Enterprise Knowledge Graphs**



#### OCTOBER 23, 2017

Thomson Reuters Launches first of its kind Knowledge Graph Feed allowing Financial Services customers to accelerate their AI and Digital Strategies

Graph network of 2 billion relationships brings to life a comprehensive view of the financial ecosystem so that users can uncover new, unexpected or difficult to find insights from connected data.



#### **Real World Product = The Economic Graph**



Members – Companies – Jobs – Skills – Schools – Knowledge

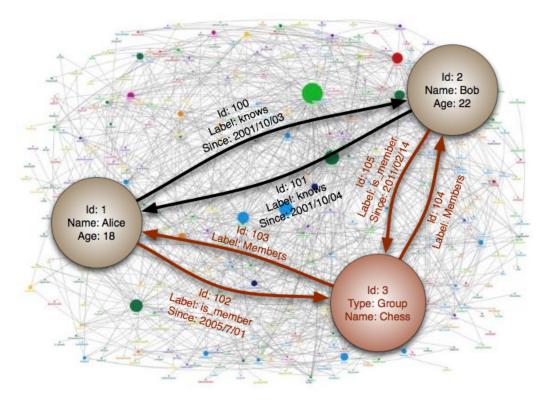
#### Scenario: Real Estate Graphs Transform the Sector

#### Roadmap to 2020s Capabilities:

Macro Economic Data Connected to Human Decision-Making

#### **Operational Execution**

Connected to Workforce Experience Data

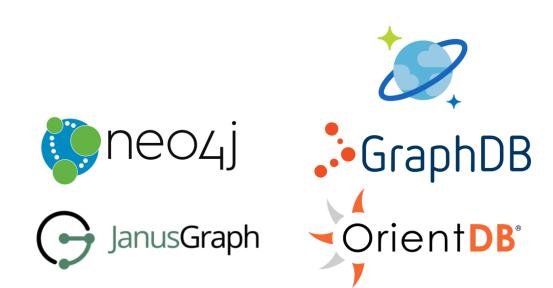


**Connected Data, Graph Analytics** & 'Experience Graph' Scenario

#### **Resources to Learn More**



HT2Labs **Api**apps



#### **Experience Analytics** Learning Record Stores

Graph Analytics & Algorithms



#### Rethinking Assets via Trusted Records and Programmable Transactions

#### **Evolution of the Web**



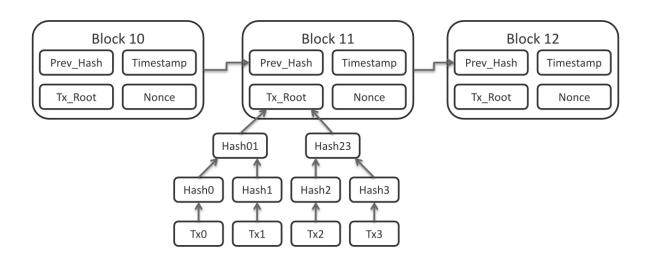




Internet of Files Internet of Social Networks Internet of Trusted Transactions

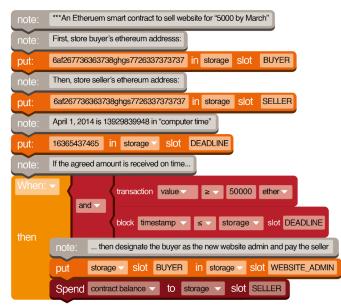
## In Records We Trust

#### Network Consensus on who did what...



Ledger of Keys & Asset Transactions

#### A sample of EtherScript



Smart Contracts for Business Process Automation T = 0

# **Property Performance, AEC & Facilities Management**



One Block At A Time<sup>™</sup>.

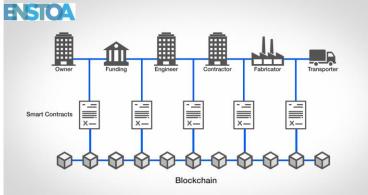




BRICKSCHAIN

#### OSCRE International Transforming the way digital information drives your real estate business

# **B**



#### **Early Stage Partnerships in Adjacent Services**



# Early Days of Crypto Real Estate - Asset Tokenization





#### te tokenestate







**Brickblock** 

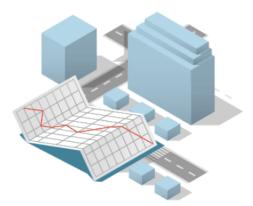


#### PRIME REAL ESTATE THAT IS ACCESSIBLE AND LIQUID

Say goodbye to multi-year lockdown periods and say hello to the future of real estate investing.

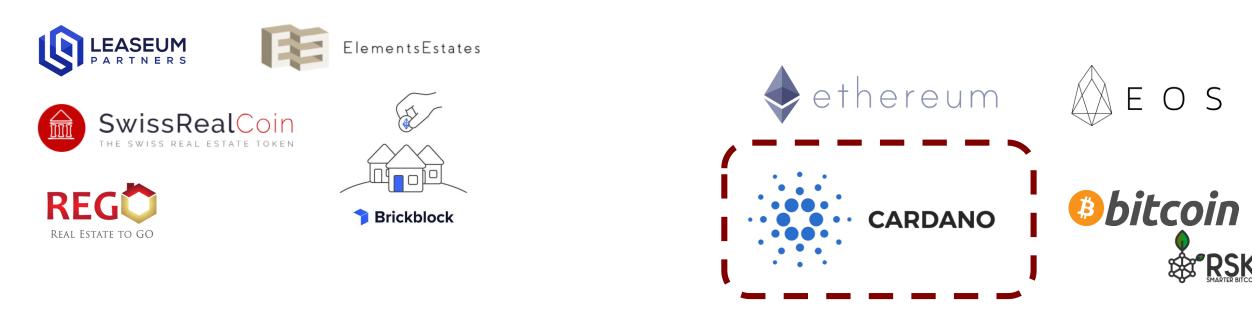
Slice lets everyone win. Private investors gain access to wealth building opportunities, while real estate owners and operators gain access to a large pool of untapped capital.

- + Get access to prime commercial RE with high returns and low fees.
- + Enjoy full transparency and know exactly what you're investing in.
- + Take advantage of unprecedented liquidity and cash out whenever you want.



Tokenizing property will allow real estate assets to be uniquely identified via a digital record that contains information regarding occupancy, physical characteristics, legal status, historical performance, and financial position.

# **Platform Uncertainties**



#### **Best Tokens Win**

**Best Platform Wins** 

#### **Big Ideas: Liquidity & Asset-backed Financing Ecosystems**



A blockchain-based protocol stack for global commerce and supply chains

#### Bridgecoin

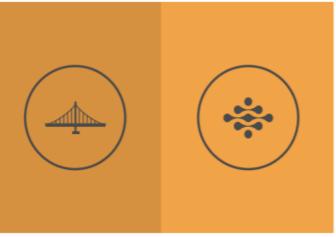
1 A stable currency



Pegged to fiat currency



Your key to using the Sweetbridge Fund liquidity application



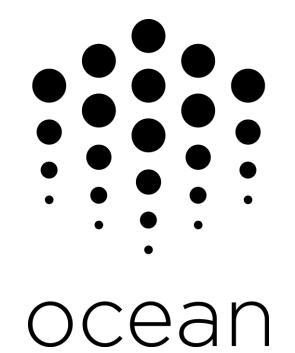
# Sweetcoin Enables interest-free borrowing A limited-supply currency Your key to exchanging Bridgecoin for fiat & using the Settlement

application at no fee

## **Big Ideas: Decentralized Data Marketplaces**

Offering tenants ability to anonymize, protect and leverage data:

Property Performance Data
Business Data (Retail / Fulfillment Centers)
Energy Data & Environmental Credits





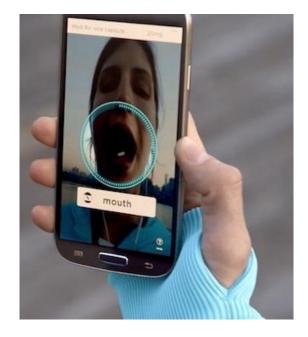
#### **Big Ideas: Crypto Currencies Tied to Behavior Change**

#### **Incentivized Patients...**



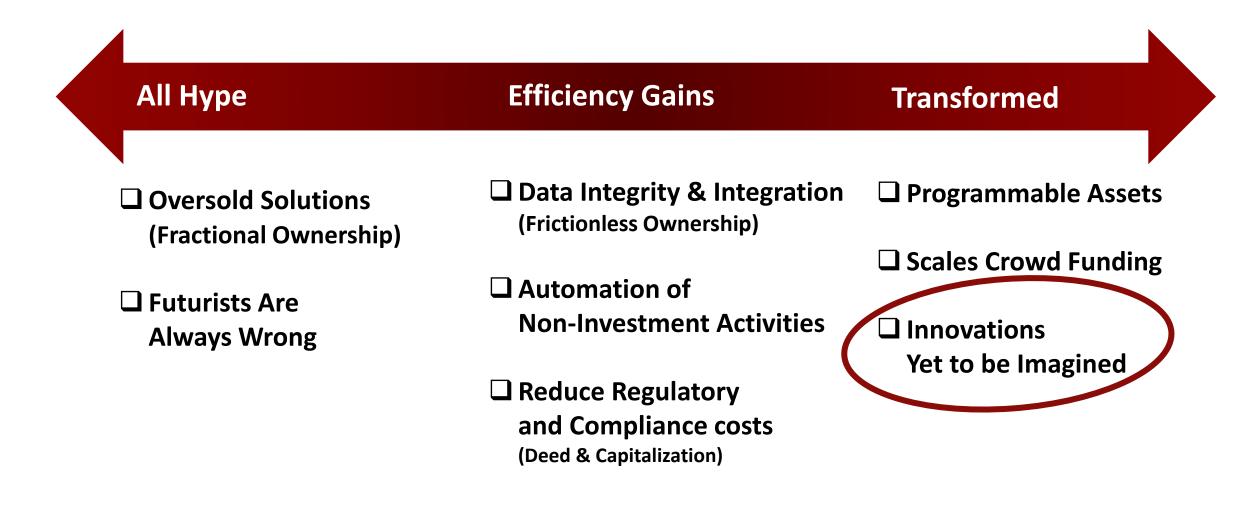
**Crypto Currencies + Smart Contracts Automate Incentives for Adherence** 





Scenario: Funds require crypto-economic incentives tied to property usage and performance outcomes

#### **Real Estate Blockchain Solutions in 2030?**



# What is the biggest risk we might take over the next five years?

# What element of the real estate market is ripe for disruption?



# Thank you!

#### Garry Golden

garrygolden@gmail.com (Two Rs)

**PDF & Resources** garrygolden.com/November8