

# Blockchain - vom Hype zur Praxis

**WU**

WIRTSCHAFTS  
UNIVERSITÄT  
WIEN VIENNA  
UNIVERSITY OF  
ECONOMICS  
AND BUSINESS

Prof. Alfred Taudes

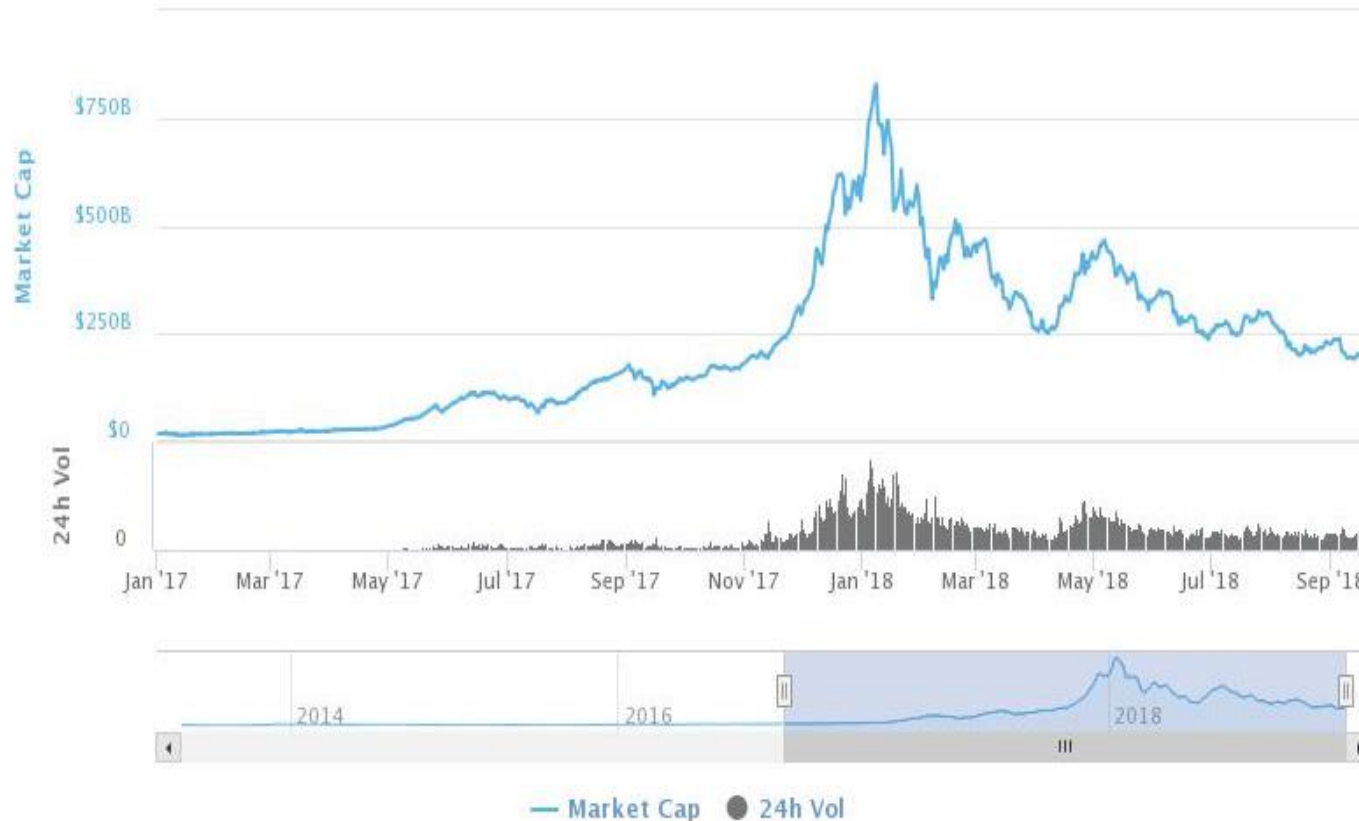
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RESEARCH INSTITUTE  
FOR CRYPTOECONOMICS

STAND: MÄRZ 2018

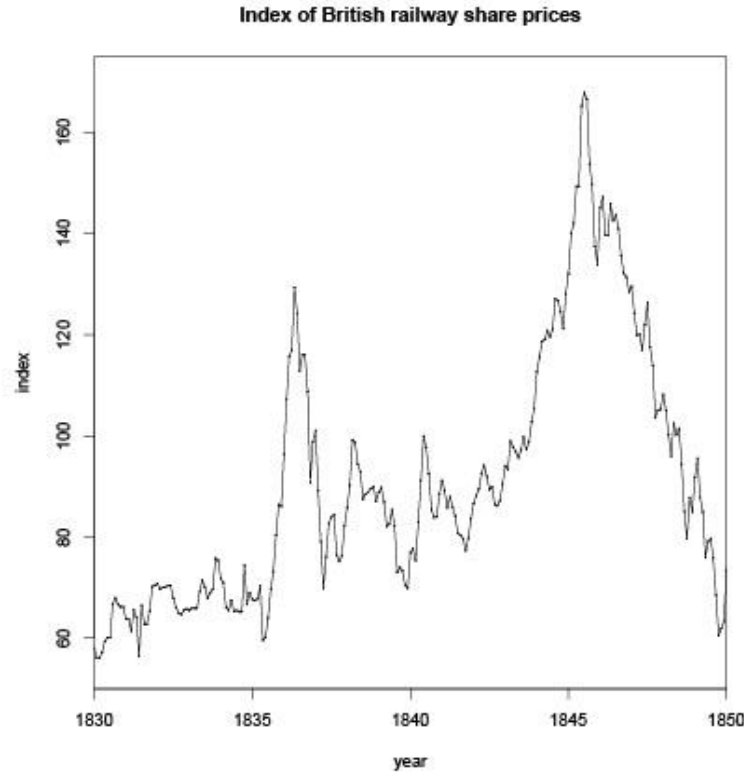


# Cryptocurrency Total Market Cap



<https://coinmarketcap.com/charts/>

# British Railway Mania

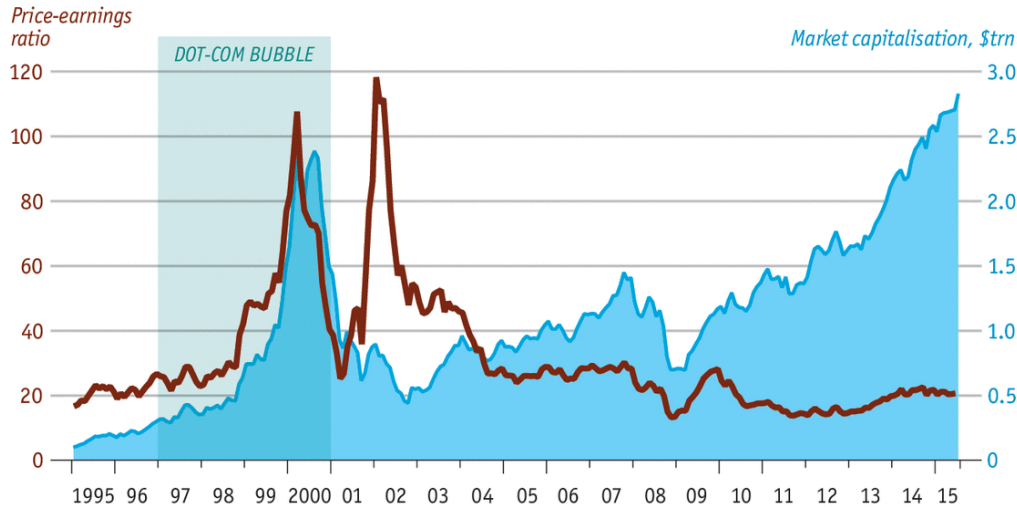


Railway share prices in Britain from 1830 to 1850.

<http://www.thebubblebubble.com/wp-content/uploads/2012/06/railroadstocks.jpg>

# Dot Com Bubble

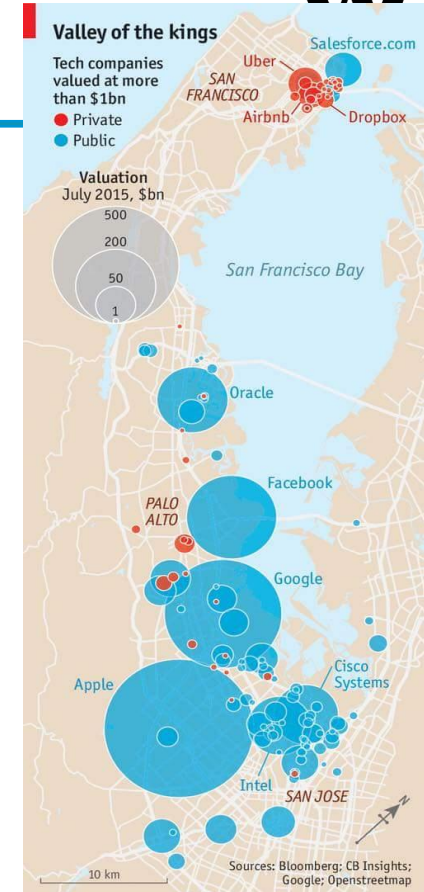
## Silicon Valley technology firms\*



Sources: Bloomberg; *The Economist* \*99 tech companies with a market value of >\$1 billion in July 2015 and 18 delisted firms

Economist.com

[HTTP://WWW.ECONOMIST.COM/BLOGS/GRAPHICDETAIL/2015/07/SILICON-VALLEYS-FORTUNES](http://www.economist.com/blogs/graphicdetail/2015/07/silicon-valleys-fortunes)



Economist.com

# Internet 3.0

## Traditional Top Down Organizations



### Top Down Management

One legal entity  
Employment contracts

Many layers of management for coordination & enforcement of processes. Many information & decision bottleneck as well as sources of corruption.

## Decentralized Autonomous Organizations



### Distributed Network of Autonomous Stakeholders

No centralized legal entity!  
No employment contracts!

Machine consensus around token governance rulesets and smart contracts instead of legal employment contracts.

BlockchainHub

# Problemmatrix

Aktivität	Token	Zielgruppe
Speichern	Information/Wissen	Kunden
Verfolgen	Verantwortung/Attribuierung	Mitarbeiter
Verifizieren	Zugang/Berechtigung	Lieferanten
Aggregieren	Entscheidungsrechte/Stimmrechte	Produzenten
	Reputation/Vertrauen	Investoren
	Verträge	Verwaltung
	Transaktionen	Bürger

Felin, Teppo, Karim Lakhani. "What Problems Will You Solve with Blockchain?"  
*MIT Sloan Management Review* (2018)