Blockchain: Decentralizing the Internet Trent McConaghy & Masha McConaghy

emerce e-day Amsterdam, Oct 6, 2016

BIGCHAINDB











This video Country Sorry about that



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JPEG







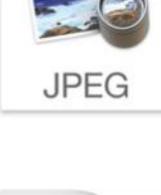


































JPEG









































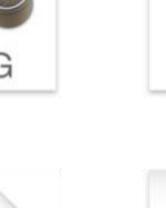




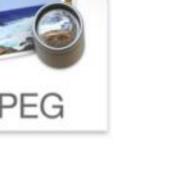




























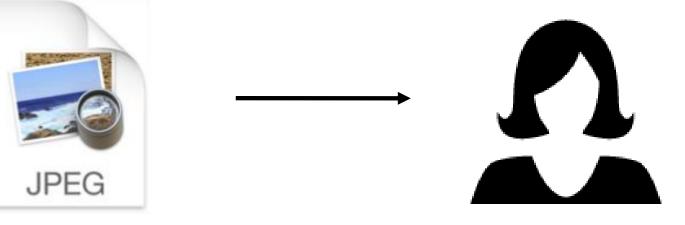






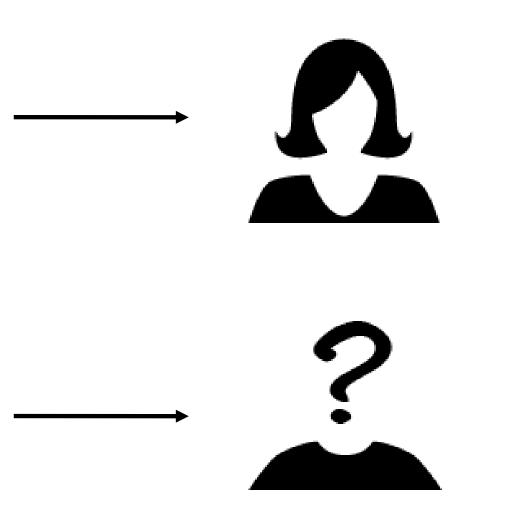








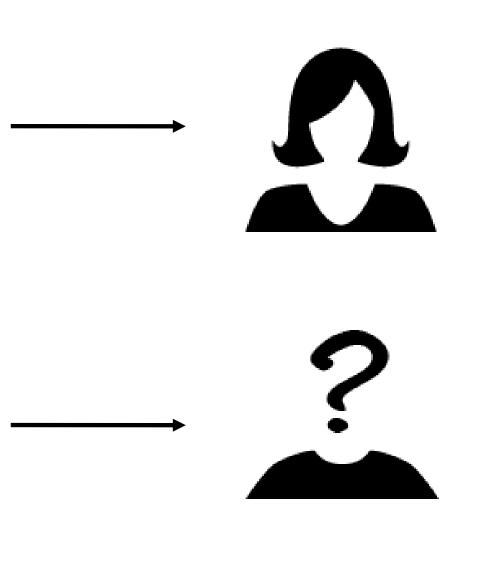










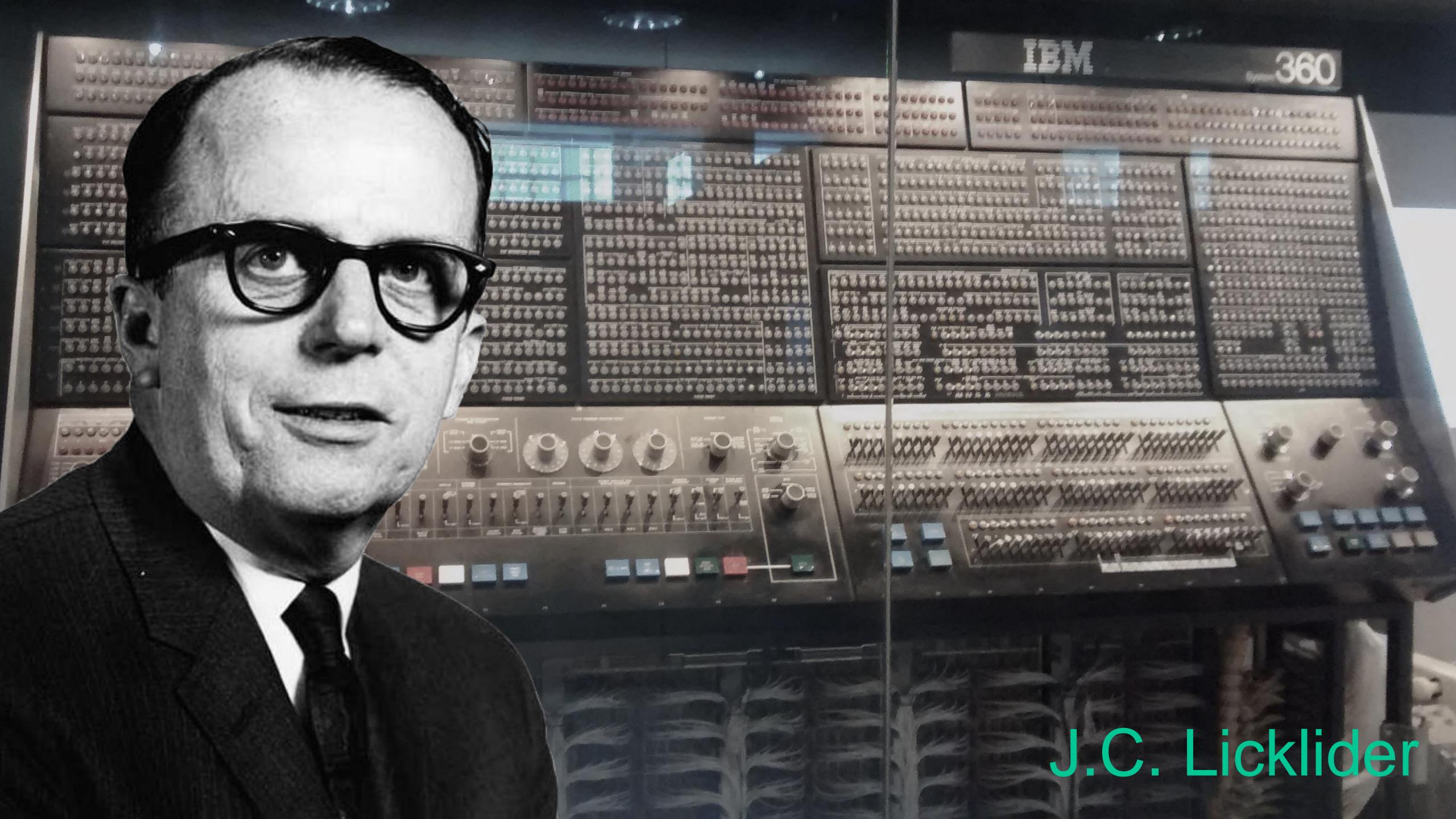




"My conclusion is that whatever you put on the internet you lose it. Maybe keep the rights, but lose the power over it."

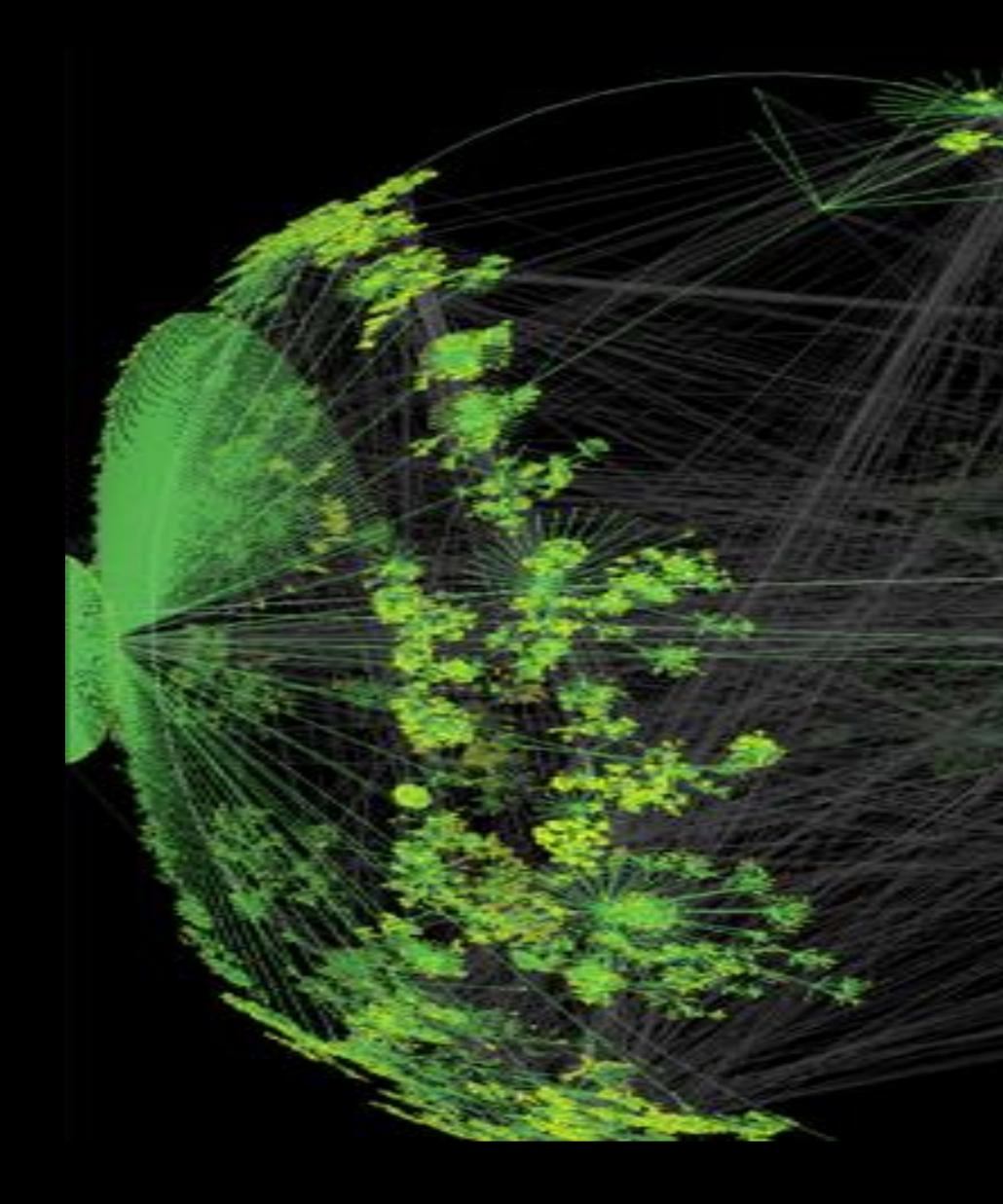
> -User on Shapeways blog (3D printing marketplace)

How did we get here?









Internet



CERH

The European Laboratory for Particle Physics, located near Genevall1 in Switzerland[2] and France[3]. Also the birthplace of the World-Wide Web[4].

This is the CERN laboratory main server. The support team provides a set of Services[51 to the physics experiments and the lab. For questions and suggestions, see WHW Support Contacts[61 at CERN

About the Laboratory[7] - Hot News[8] - Activities[9] - About Physics[10] -Other Subjects[11] - Search[12]

About the Laboratory

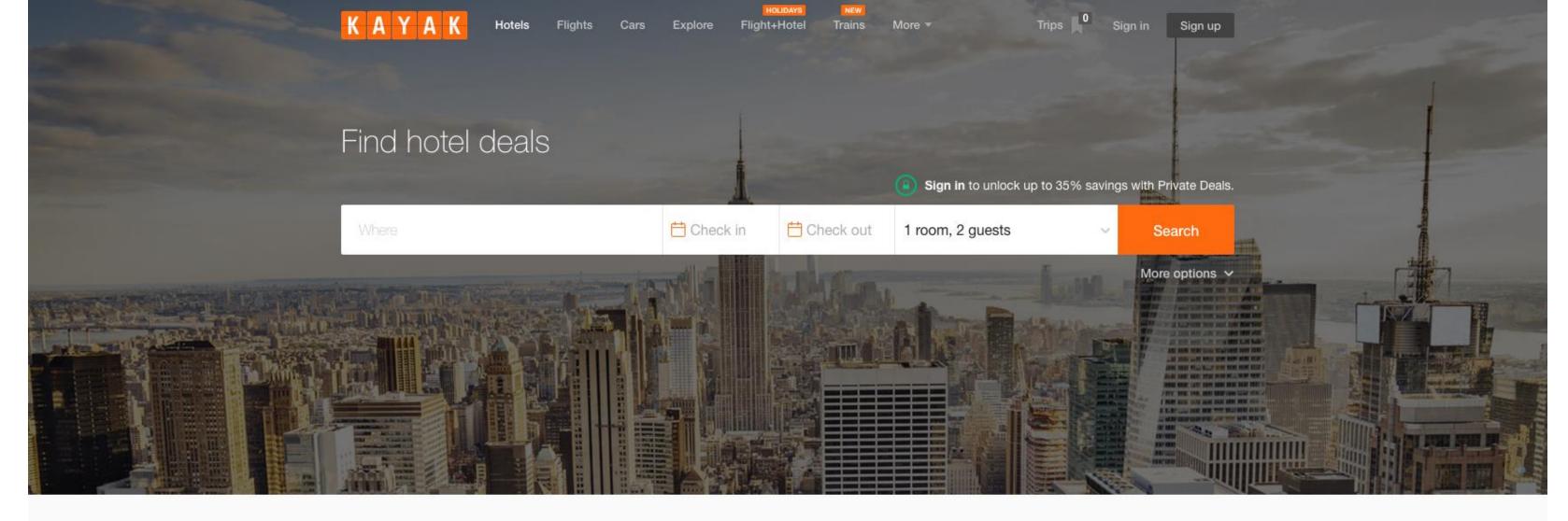
Help[13] and General information[14], divisions, groups and activities[15] (structure), Scientific committees[16]

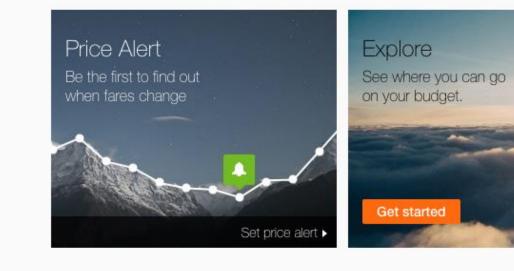
Directories[17] (phone & email, services & people), Scientific Information Service[18] (library, archives or Alice), Preprint[19] Server

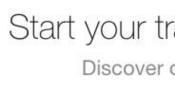
1-45, Back, Up, <RETURN> for more, Quit, or Help:















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Modern Web

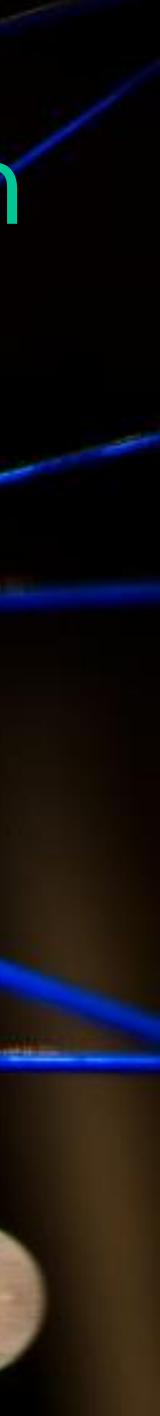


pavel dudek / Shutterstock.com





Centralization of the Web



A new hope







Blockchain: A Special "Spreadsheet in the Sky"



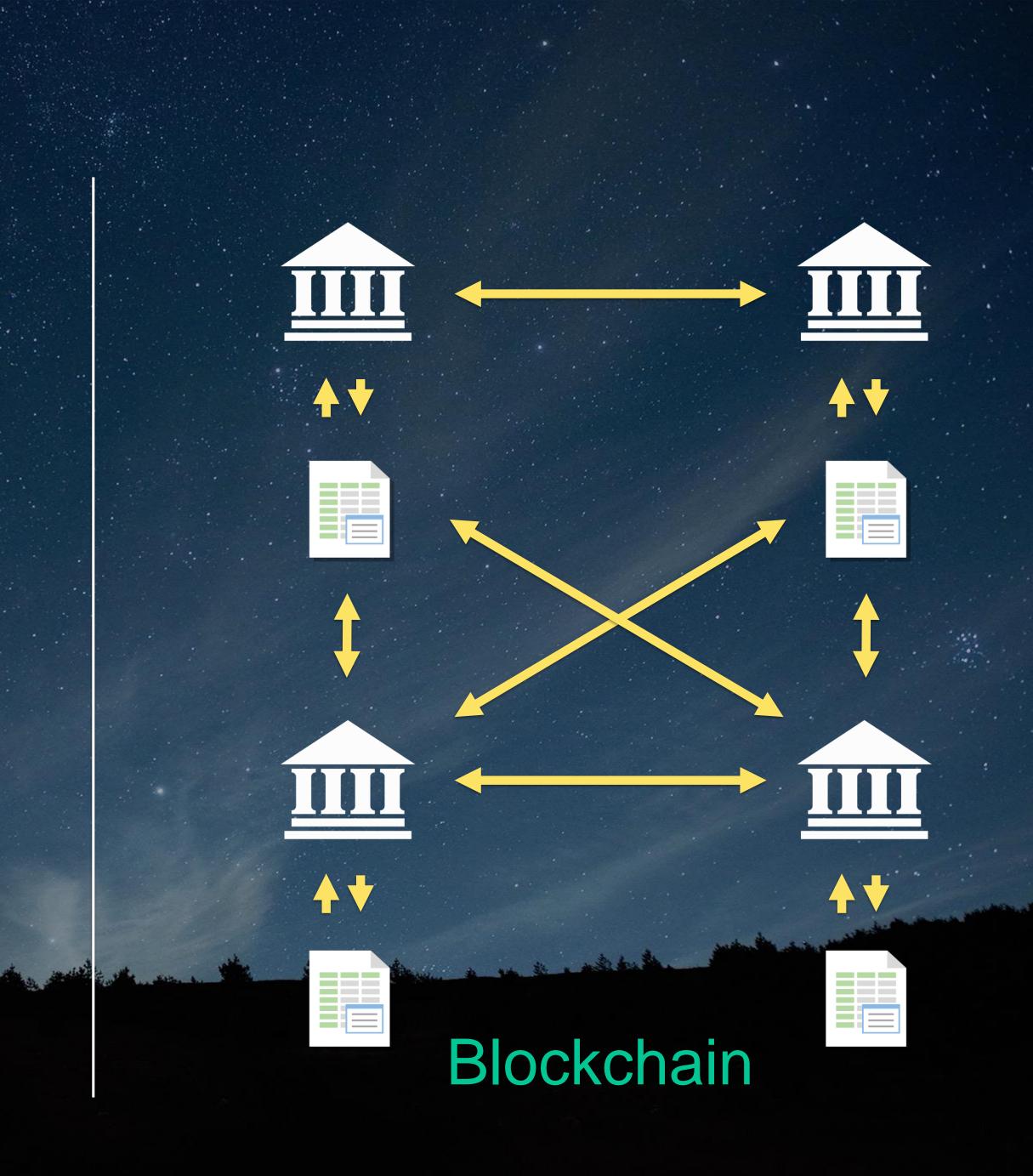




Centralized Clearing









Shared global compute infrastructure



IPDB: Interplanetary Database Powered by BigchainDB



How does this apply to the real world?





Imperial Faberge Easter Egg. AFP PHOTO / WARTSKI

Provenance is important for Authenticity Chain of Ownership Valuation





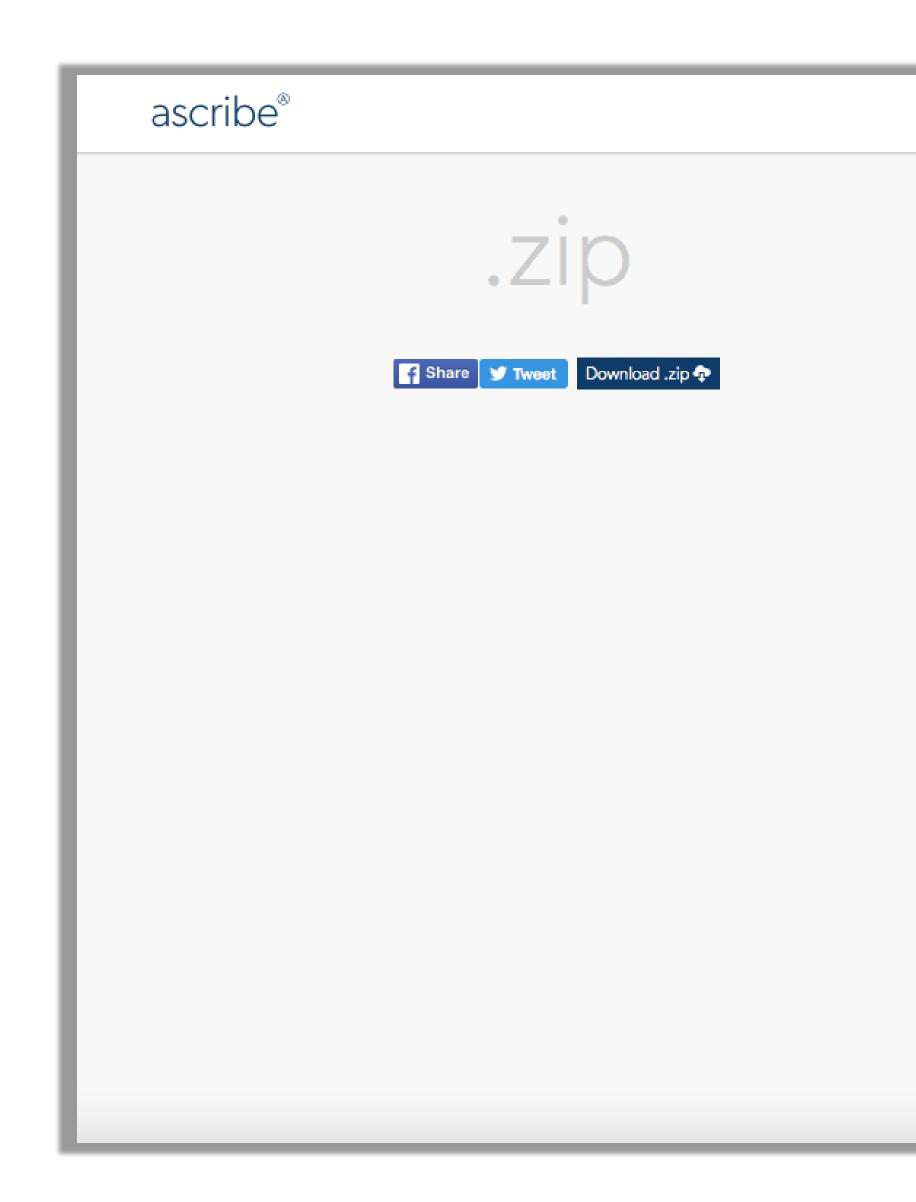
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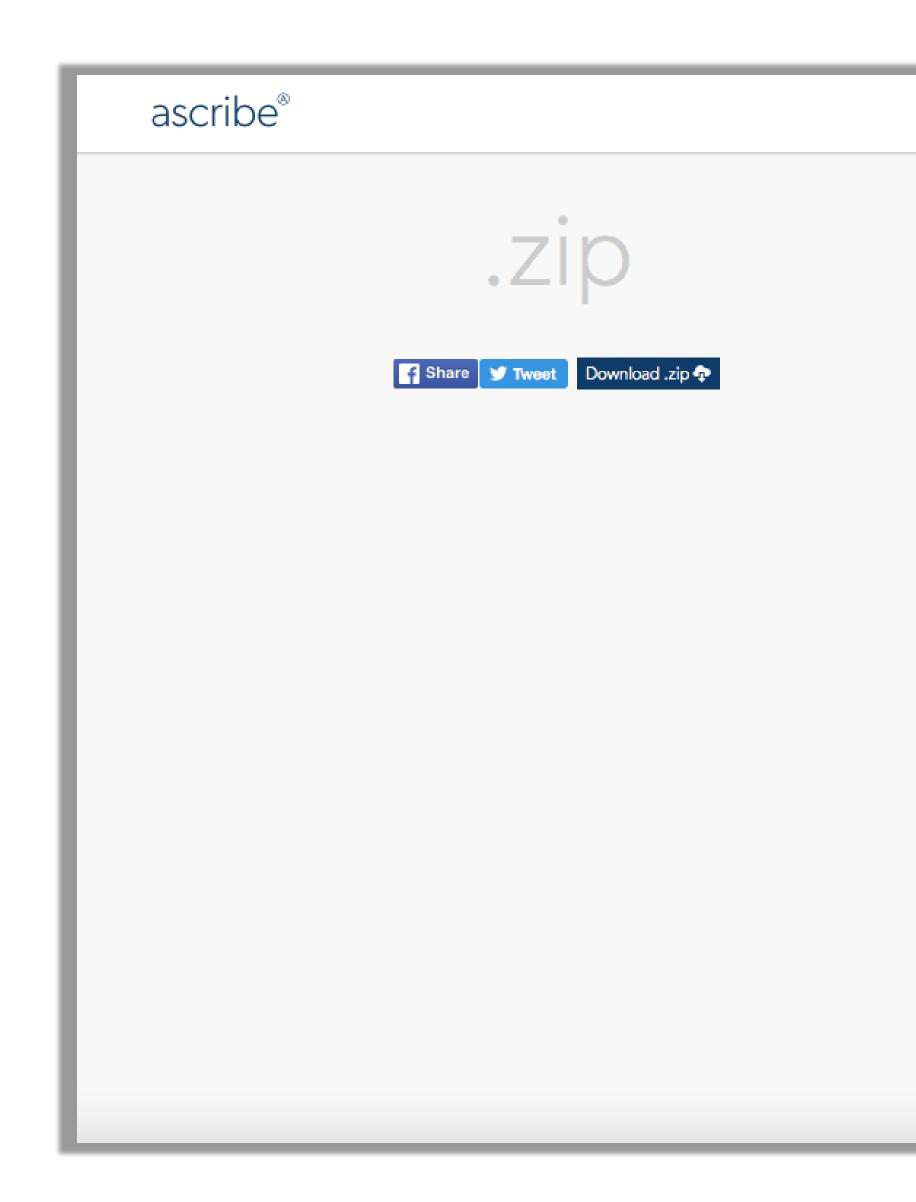
the scenery made most people ignore each other

1



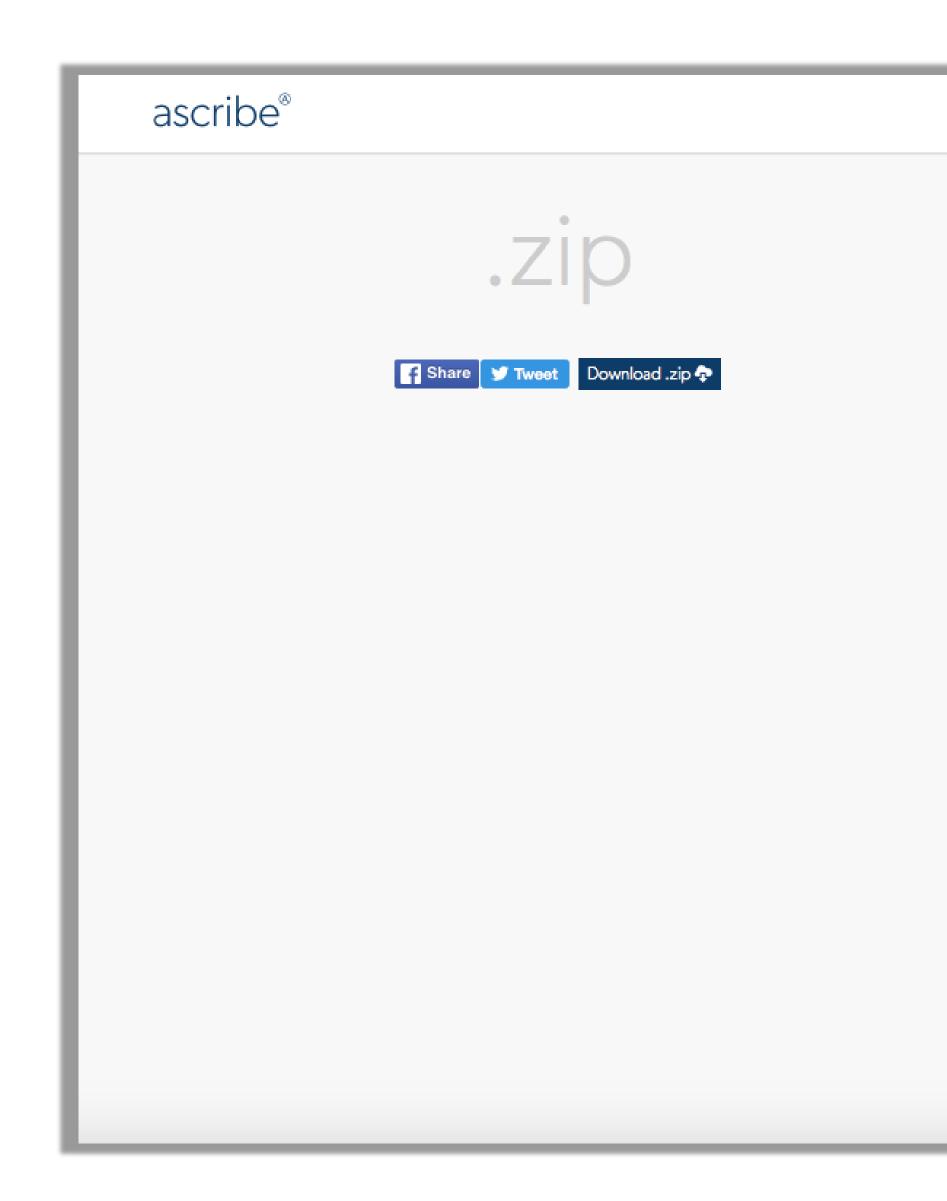
+ NEW WORK COLLECTION MASHA MCCONAGHY -

Event Listeners			
CREATED BY	Harm van den Dorpel		
DATE	2015		
EDITION	24 of 100		
ID	1CbB2YEnBQUkHjWZvqfNNfjK8wh2cg69zQ		
OWNER	Masha McConaghy		
ACTIONS	EMAIL TRANSFER CONSIGN LOAN DELETE		
+ Certificate of Authenticity			
- Provenance/Ownership History			
Apr 17 2015 16-15-21			
Apr. 17, 2015, 16:15:21			
Registered by mail@harmvandendorpel.com			
Apr. 20, 2015, 20:54:16			
Transferred to Masha McConaghy			
+ Consignment History			
+ Notes			



+ NEW WORK COLLECTION MASHA MCCONAGHY -

Event Listeners			
CREATED BY DATE	Harm van den Dorpel 2015		
EDITION ID OWNER ACTIONS	24 of 100 1CbB2YEnBQUkHjWZvqfNNfjK8wh2cg69zQ Masha McConaghy EMAIL TRANSFER CONSIGN LOAN DELETE ?		
+ Certificate of Authenticity			
- Provenance/Ownership History Apr. 17, 2015, 16:15:21 Registered by mail@harmvandendorpel.com			
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+ Notes			



MASHA MCCONAGHY 🗸 + NEW WORK COLLECTION Event Listeners CREATED BY Harm van den Dorpel 2015 DATE EDITION 24 of 100 1CbB2YEnBQUkHjWZvqfNNfjK8wh2cg69zQ ID Masha McConaghy OWNER ACTIONS TRANSFER CONSIGN LOAN DELETE EMAIL + Certificate of Authenticity - Provenance/Ownership History Apr. 17, 2015, 16:15:21 Registered by mail@harmvandendorpel.com Apr. 20, 2015, 20:54:16 Transferred to Masha McConaghy + Consignment History + Notes

Certificate Of Authenticity

As of 30 November 2015, 17:36:00 GMT, Masha McConaghy is the owner. To verify current owner, please visit http://ascri.be/1luAOpo

DOLIKL EURO Smix FRANCS JEFF KOONS BITCOIN





Currency

Date: 2014 Edition: 3 of 100 Created by: Dan Perjovschi Owner: Masha McConaghy

ARTWORK DETAILS

Artwork ID: 17uZBwSbLGfXy3vRRMWzF5PMjFVNc1tkQ2 File: currency-2014.jpg (499 KB)

PROVENANCE/OWNERSHIP HISTORY

Apr. 30, 2015, 12:36:19 - Registered by mail@cointemporary.com May. 01, 2015, 09:46:08 - Transferred to admin May. 08, 2015, 13:04:59 - Transferred to trent Nov. 27, 2015, 19:35:14 - Transferred to Masha McConaghy

CRYPTOGRAPHIC STAMP

Use the summary and signature below to authenticate this certificate: http://ascri.be/1Srz45Q

Summary: Dan Perjovschi*Currency*3/100*2014*2015Apr30-12:36:19

Signature: 438B24CE06182FA3AA82BC285F867D03FB73F3BCC0F73FDBA6 EC2BFF7088E011E60355B7DC75D5745A9D5CA2A8115512FF835 C4ABEF6869BF6A991668A820F3FB03A48C6A9E058347 68E8E07E5266620BA815948DC265605D23FAF016CB46ACD4BC BE75F08D0DEBD7AF55E4CB085B9A0A14583F135DBB399121B24 ED1L

Authenticated by ascribe®

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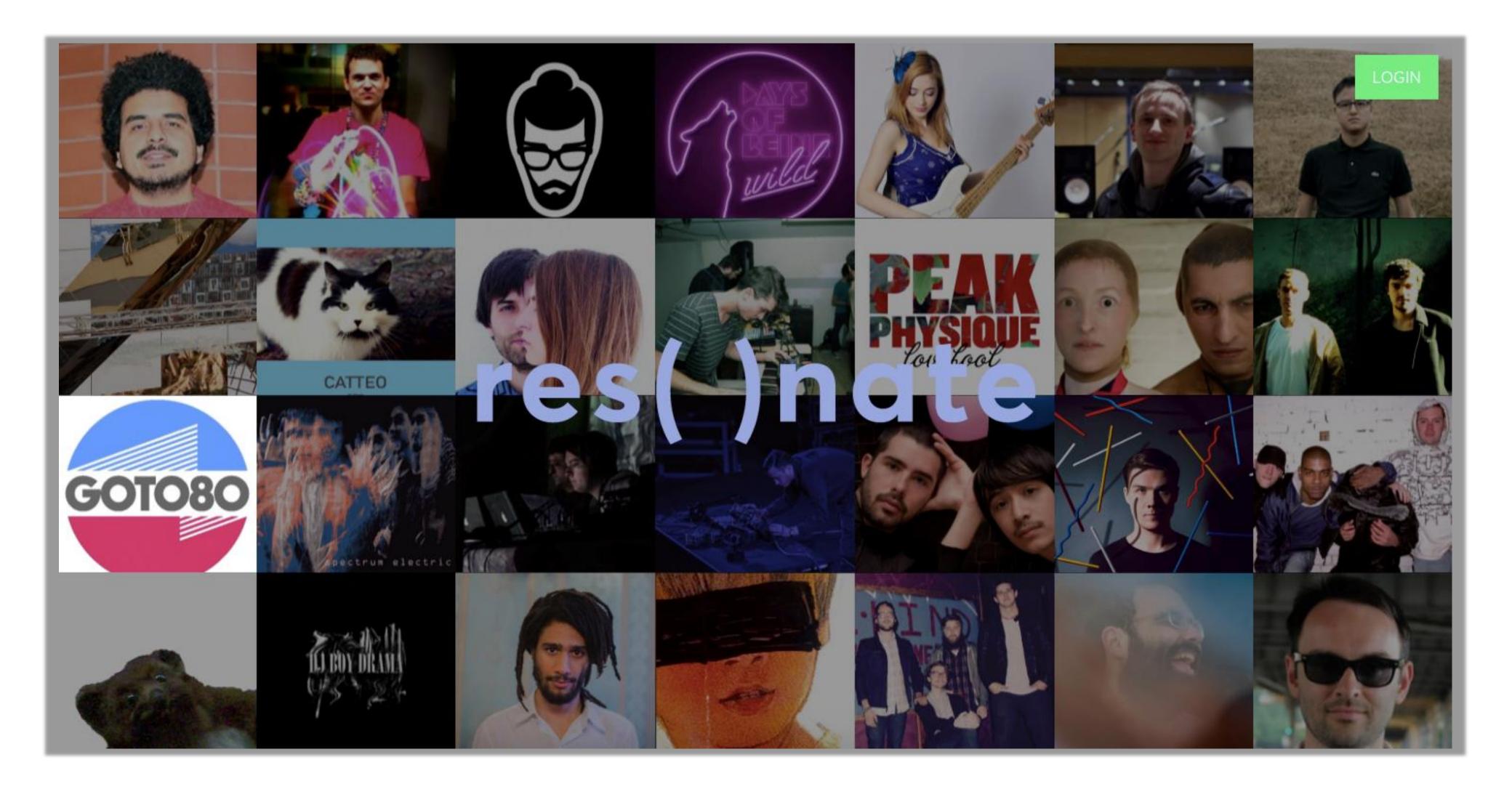
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Real World Use, by Vertical



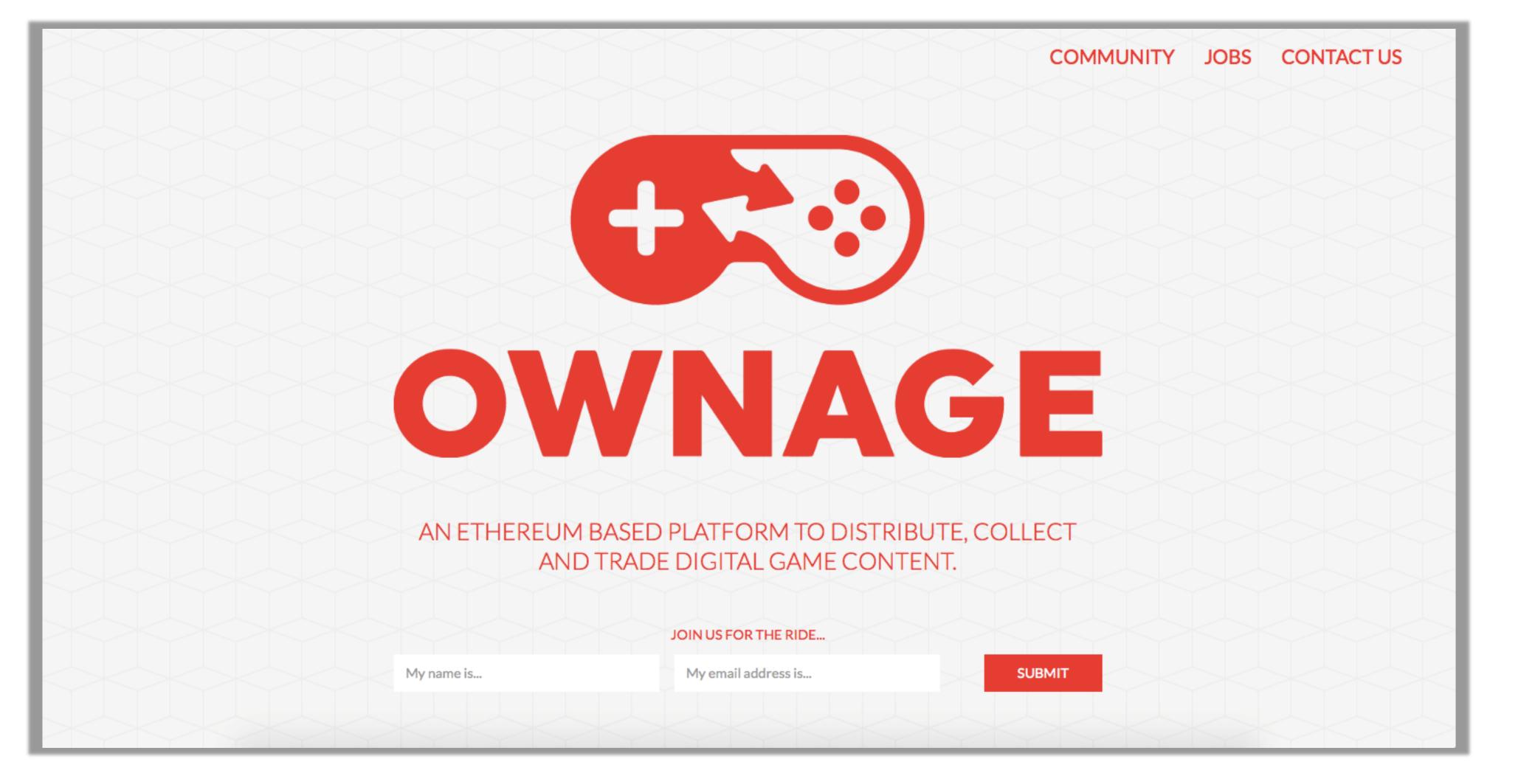


Intellectual Property (IP)



Resonate Coop



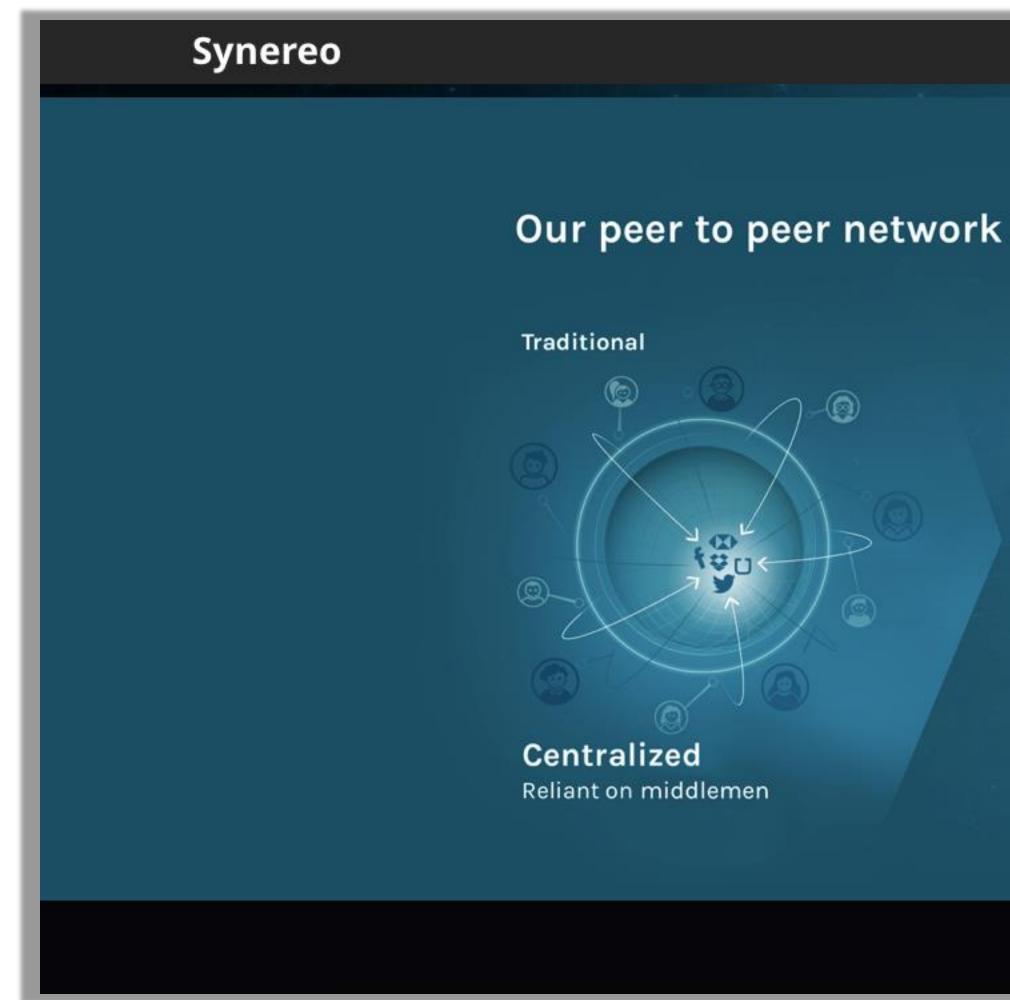




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Identity (Sovereign Personal Data)





HOME ALPHA V SALE DEVELOPERS GET INVOLVED V ABOUT V



Decentralized Applications working together

Social Network: Synereo

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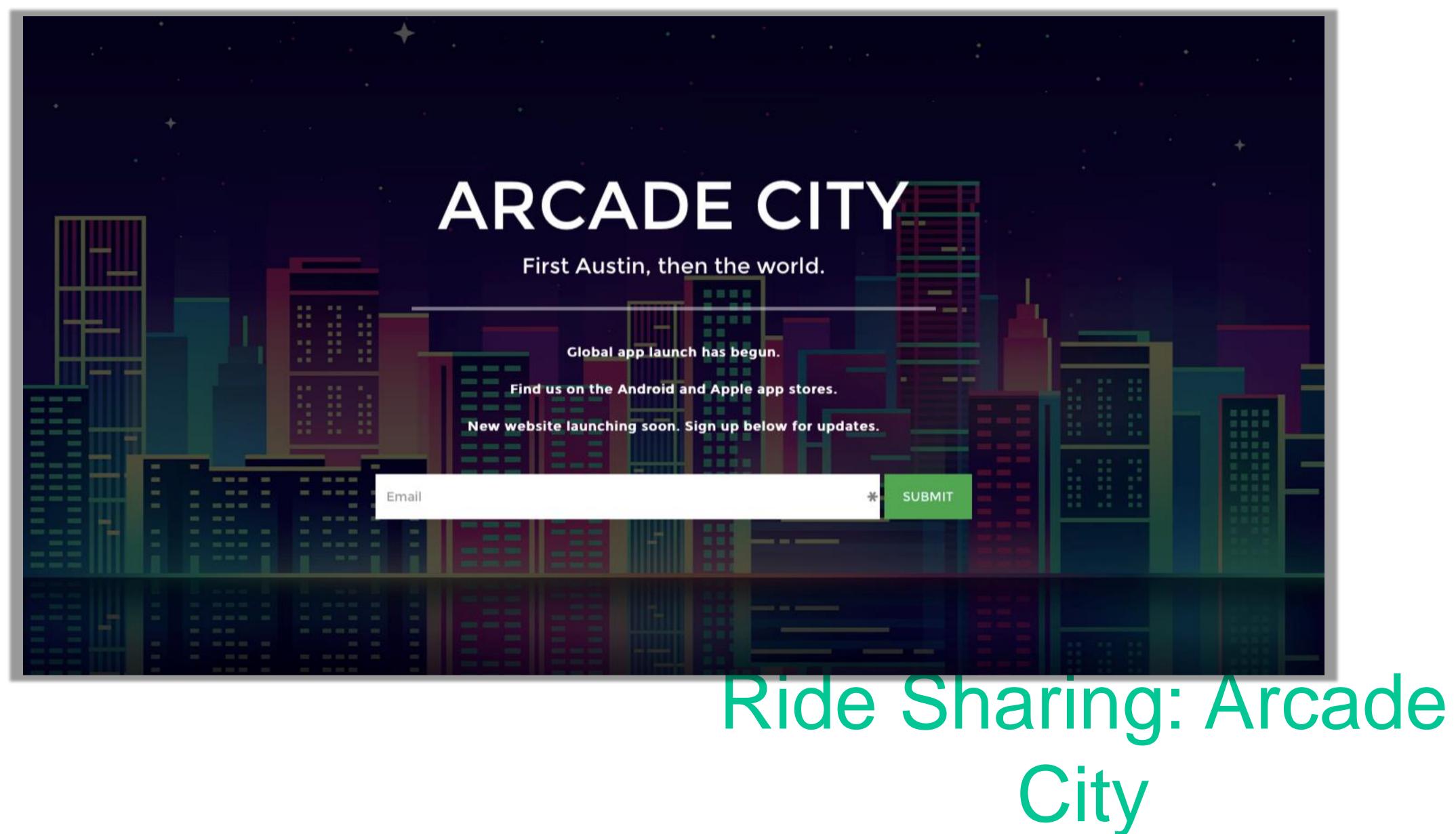
A SOCIAL OPERATING SYSTEM FOR DECENTRALIZED ORGANIZATIONS

ENABLING MASSIVE OPEN-SOURCE COLLABORATION WITHOUT CENTRAL COORDINATION

BACKFEED

Reputation: Backfeed





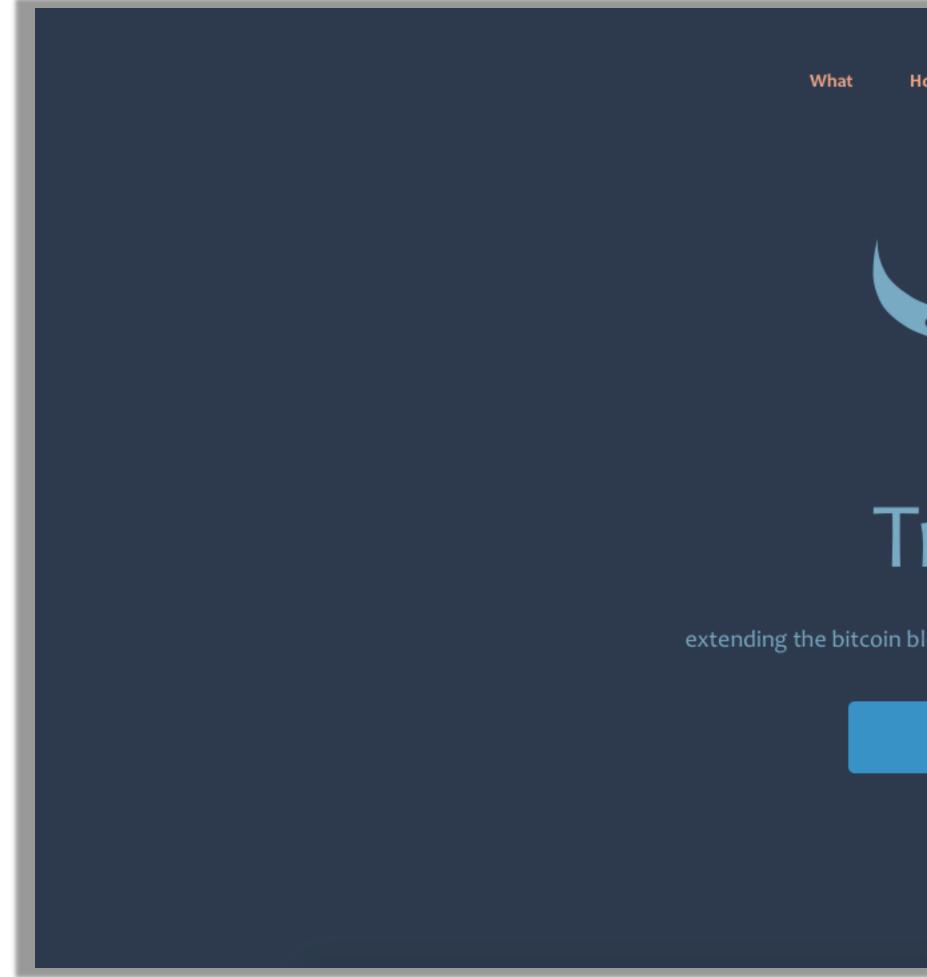


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Identity (Assurance)

And YOU





How Team Open Source

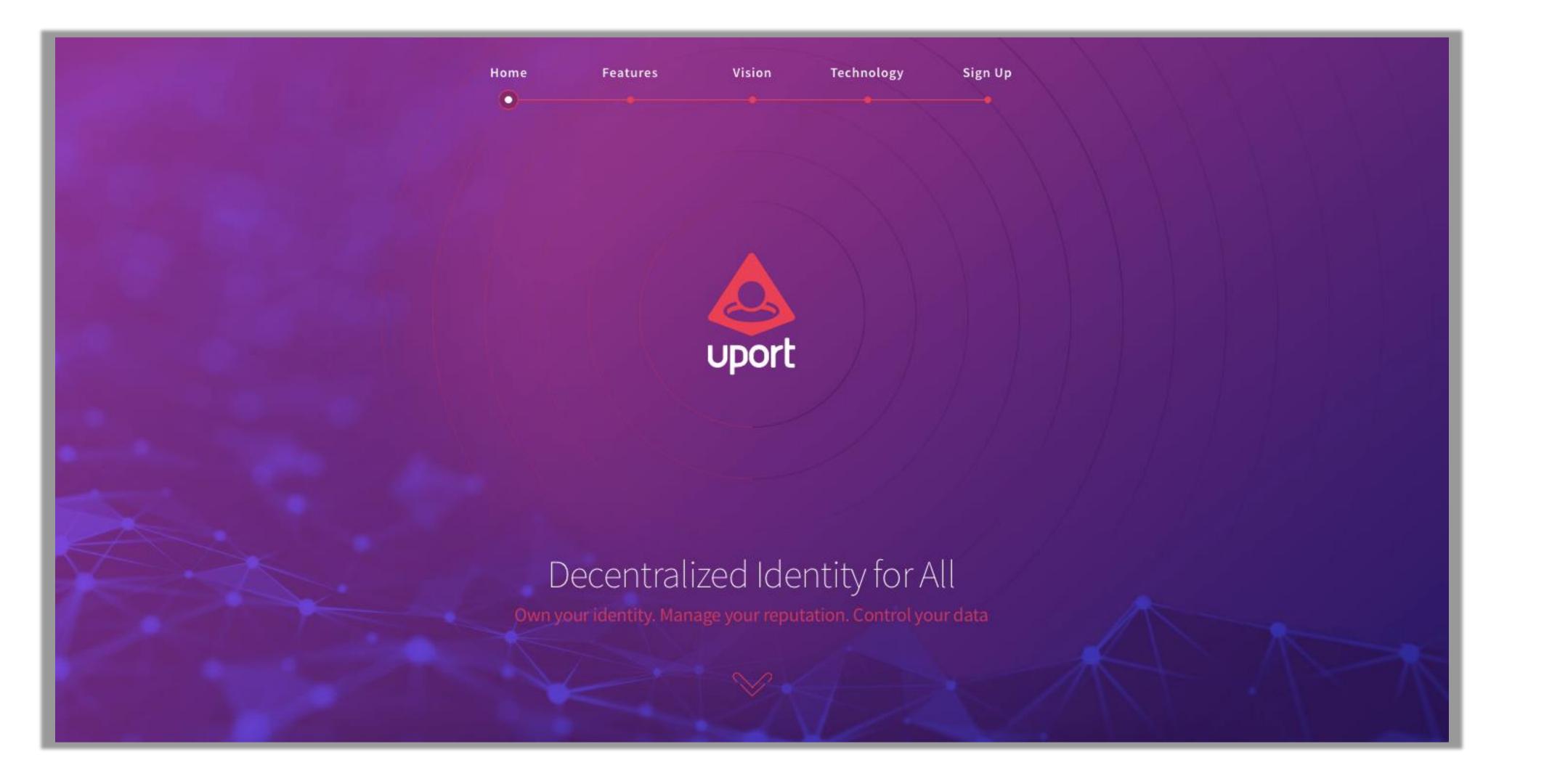
ပ Tradle

extending the bitcoin blockchain to non-financial applications

GET INVOLVED

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Banking Assurance: Tradle



Login: uport







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•\$ripple

Join the Global Settlement Network

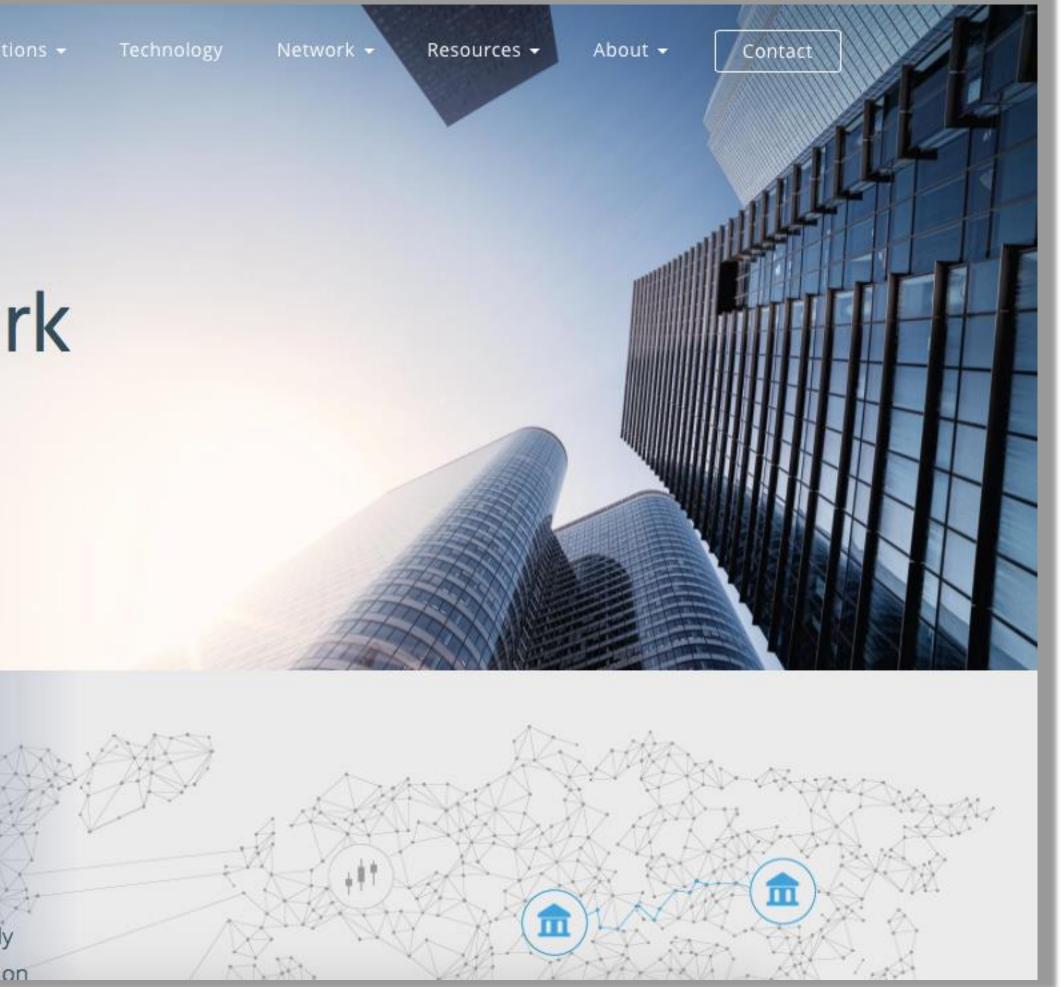
Instant, certain, low-cost international payments

Watch Video

Enabling the Internet of Value

Global commerce is rapidly changing. Businesses are increasingly global from day one and consumers are programmed to expect on

Q



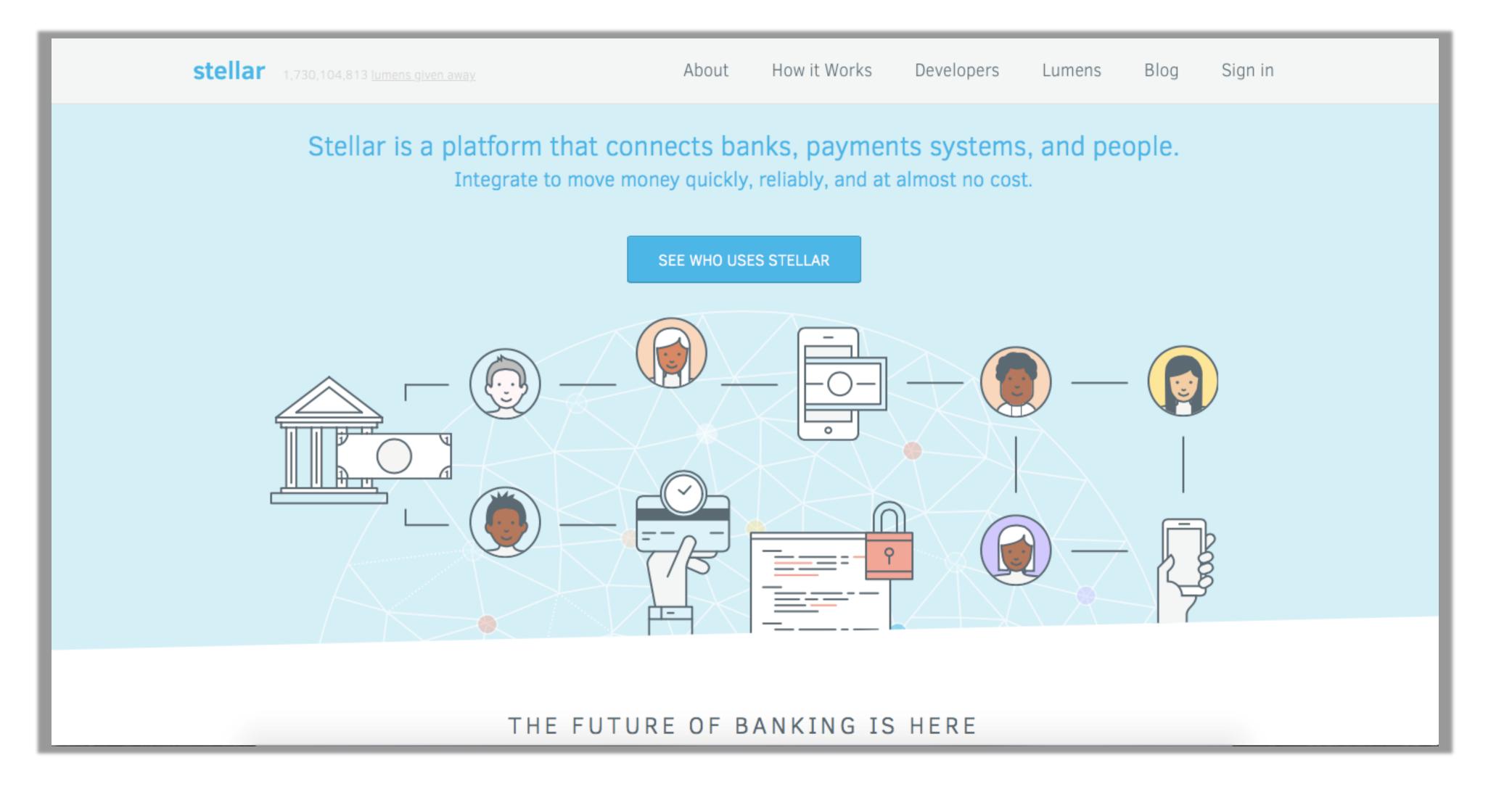
Money Transfer:



R3 is an innovation firm focused on building and empowering the next generation of global financial services technology.

Bank consortium: R3CEV

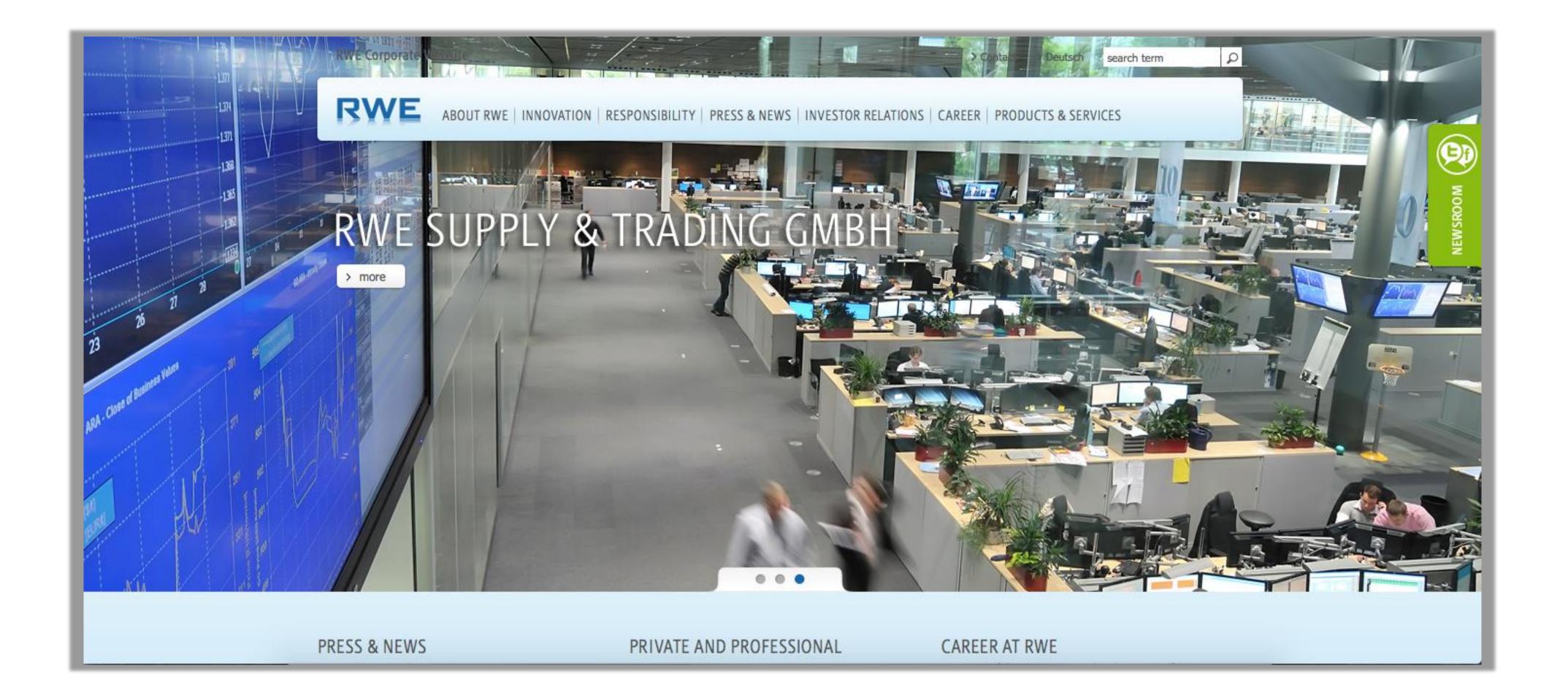




The unbanked: Stellar











Supply Chain

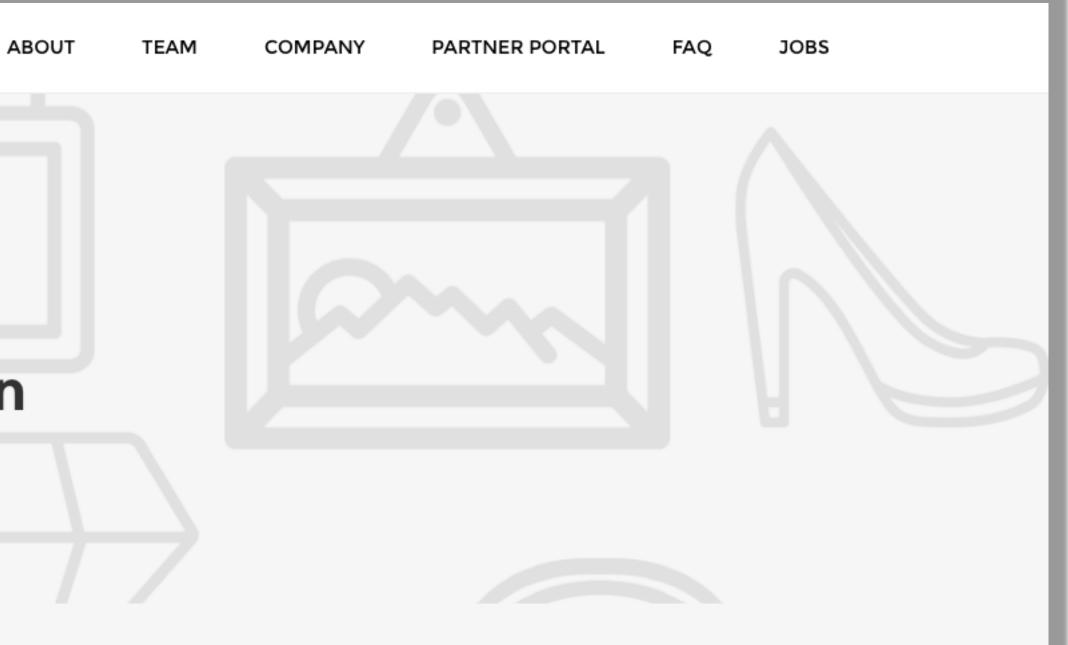


CHRONICLED

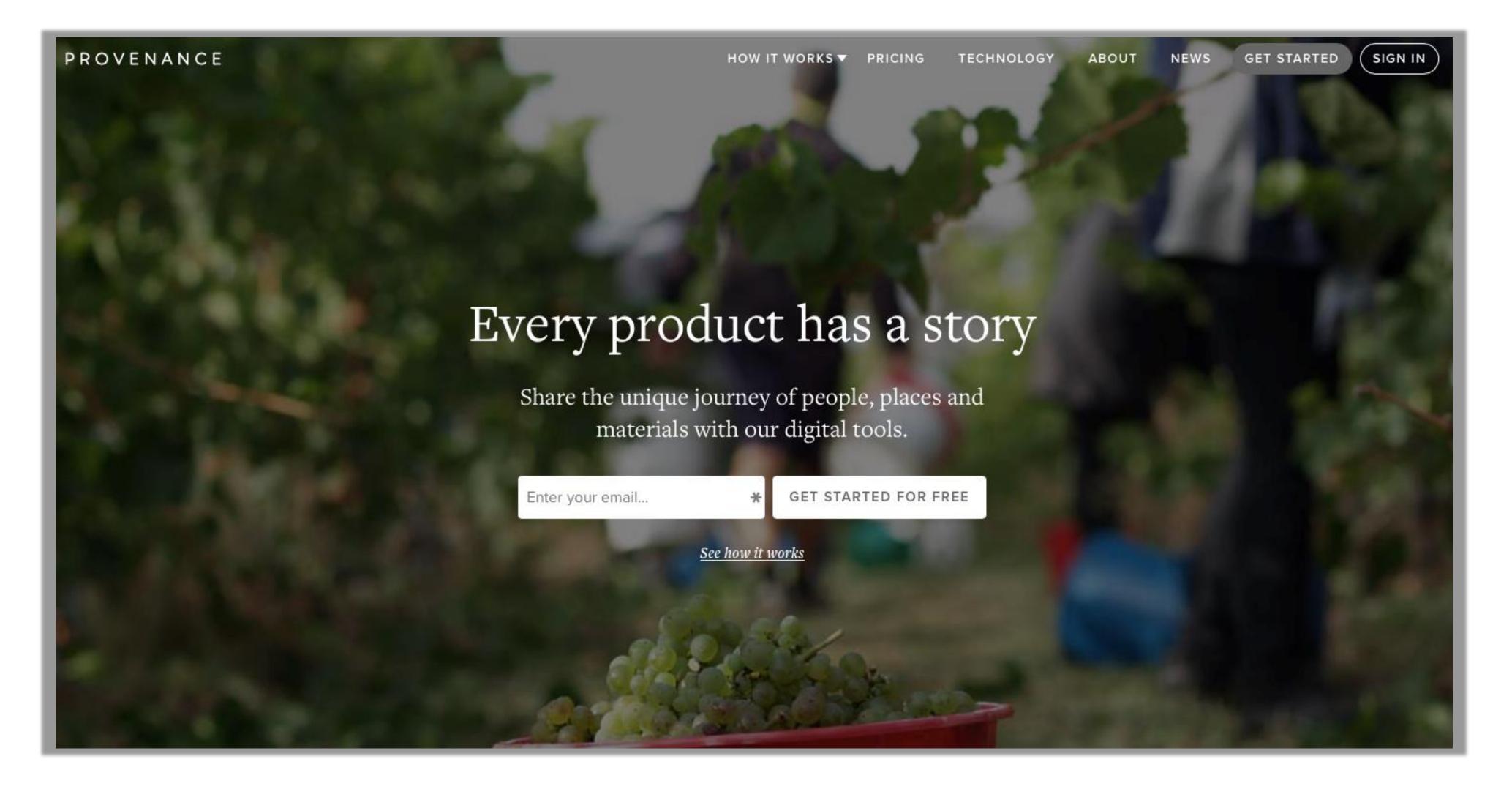
Linking the Physical World to the Blockchain

Chronicled provides a platform that allows any brand, physical IP creator, product authenticator / appraiser, or individual to assign a secure digital identity to a physical object by embedding an encrypted microchip and linking it to a blockchain record. Our goal is to create a common identity lookup for all IoT players as a first step to have their products to interact with each other.

Shoes: Chronicled



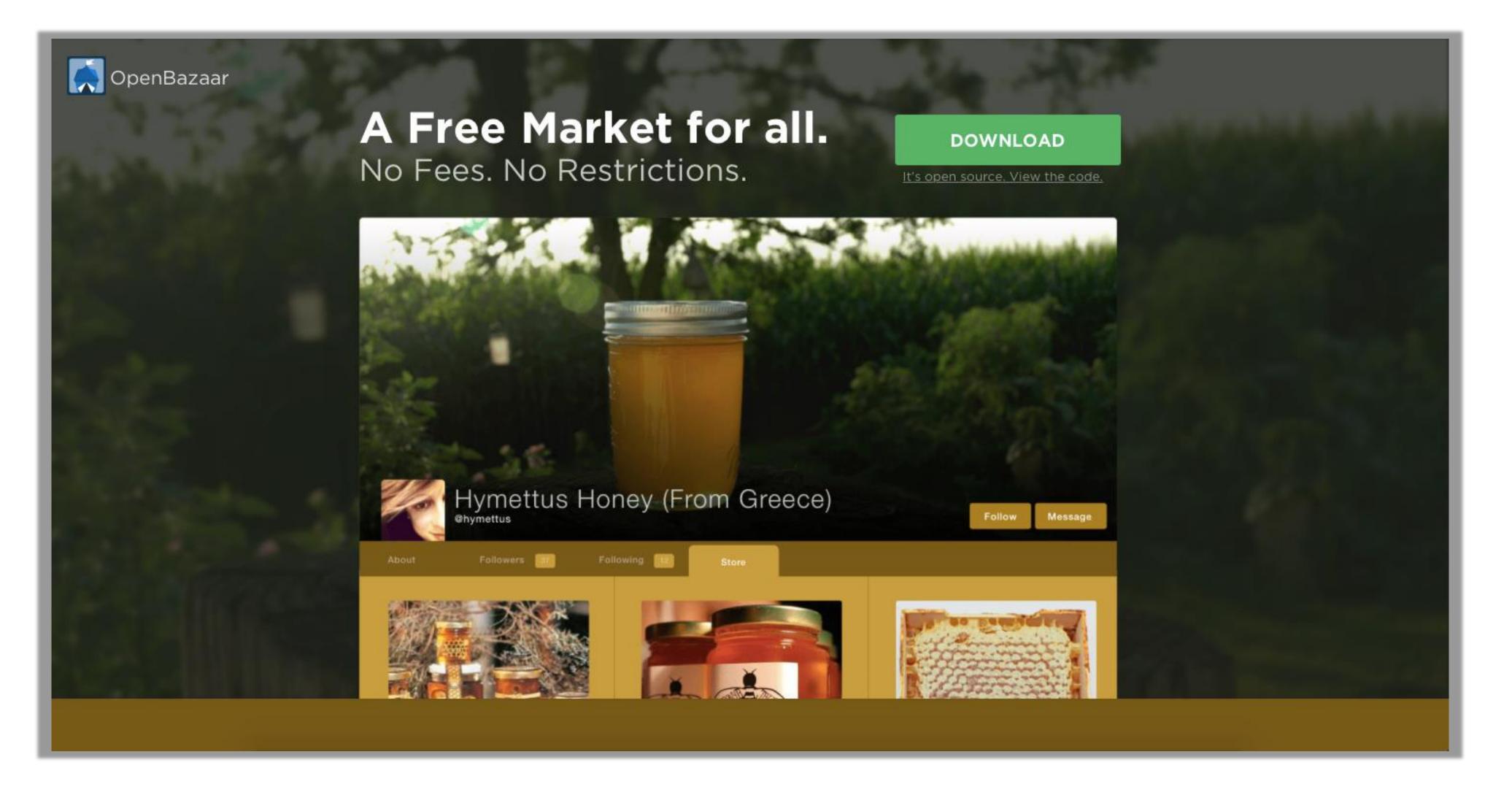




Food: Provenance







Online retail: OpenBazaar

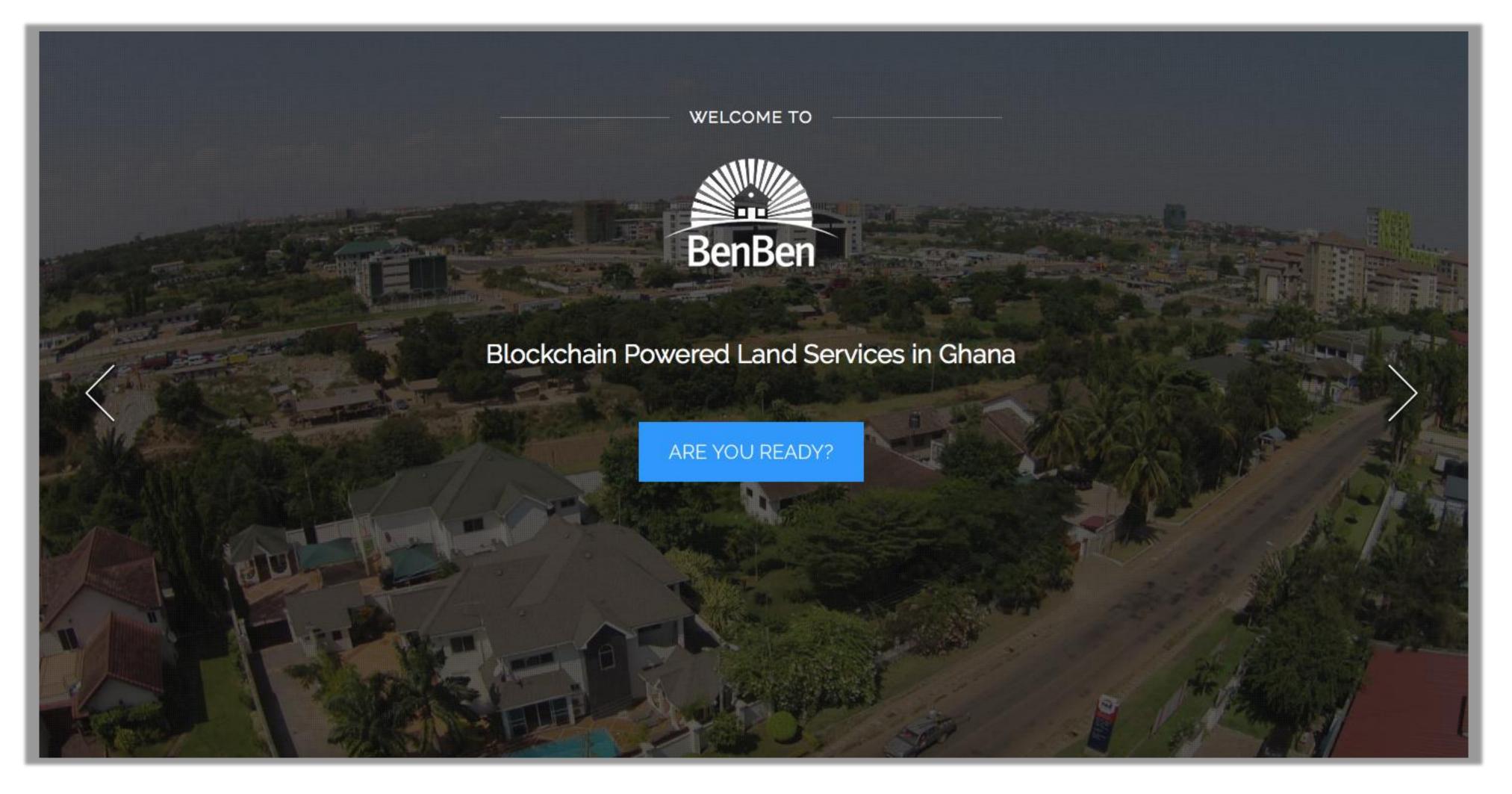




Diego Delso (CC BY-SA 3.0)

Government Transparency: Estonia + Guardtime





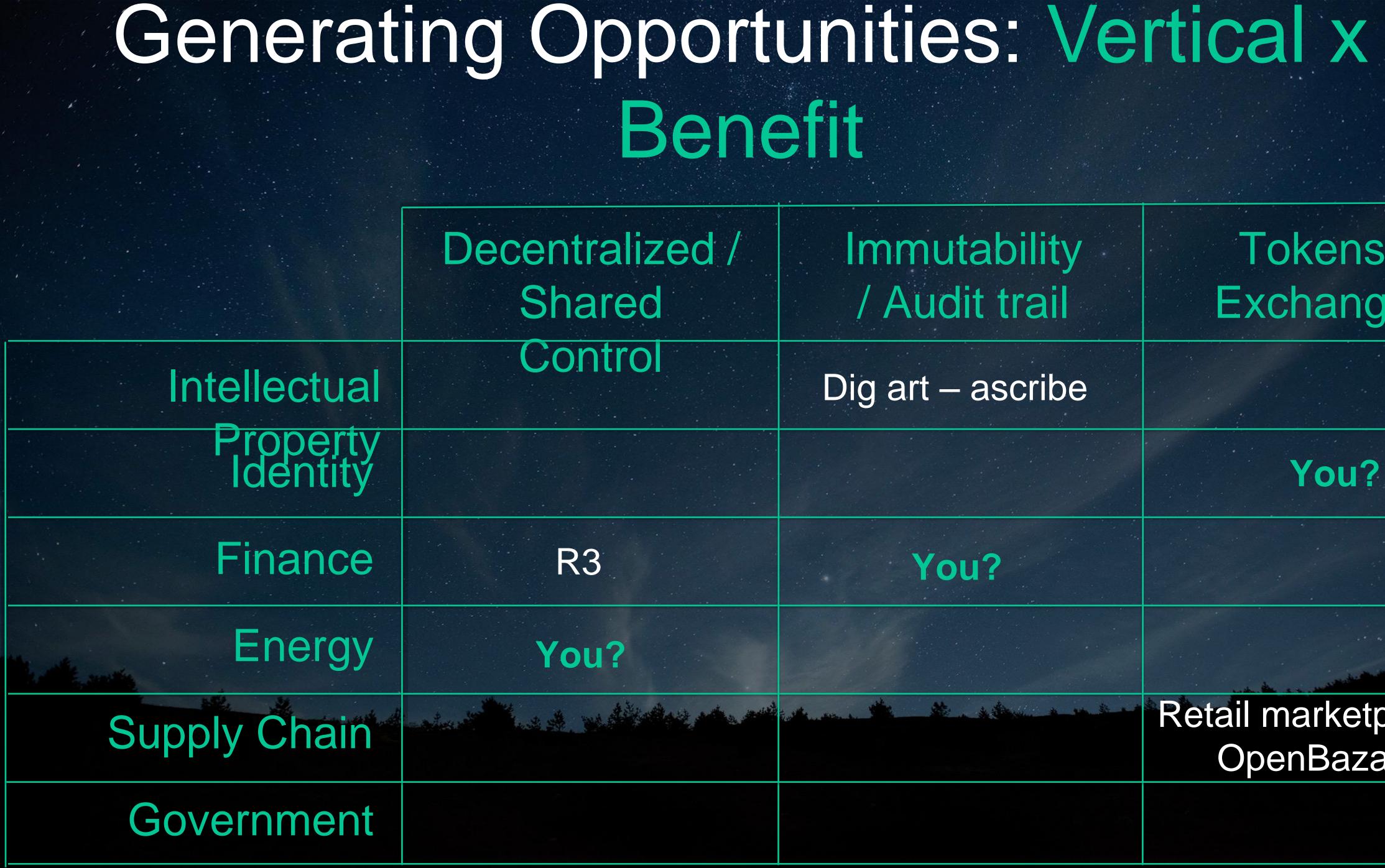
Land registry: BenBen



3 Blockchain Benefits

Decentralized / Shared Control Immutability / audit trail Tokens / exchanges





Benefit

Tokens / Immutability Exchanges / Audit trail Dig art – ascribe



Retail marketplace -OpenBazaar

You?



Taking the next step with blockchains

Identify use cases, e.g. using tools here
 Validate use cases with blockchain experts
 Start experimenting. github.com/bigchaindb
 Find the right expertise ;-)



Blockchains change the relationship between digital & dollars. This could change everything.

Opportunity beckons. Are you ready?

Trent McConaghy & Masha McConaghy

BIGCHAINDB bigchaindb.com

