

Event Partners:









VIRTUAL CONFERENCE



ENTERPRISE BLOCKCHAINS LIVE 2020

Hosted by:



Aviv Lichtigstein CEO and Founder



Enrico Camerinelli Industry Analyst

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WELCOME



Aviv LichtigsteinCEO and Founder



101 Blockchains is the world's leading online independent global network for Enterprise Blockchain Practitioners

We don't sell blockchain. We help corporate executives understand and decide How the technology fulfills their business needs and objectives.









Virtual Conference May 20, 2020 3:00 p.m. CET | 9:00 a.m. ET

Register Now

101 Blockchains.

2020 EDITORIAL CALENDAR

April

May

Jun

Enterprise Blockchains Live 2020

Women in Enterprise Blockchains

Trade Finance
Blockchain World

July

August

September

Enterprise Blockchains Strategy & Management

Supply Chains

Financial Services

October

November

December

Blockchain as a Service

Government Programs

Looking into 2021





A big thank-you to our Partner **Sponsors**







ENTERPRISE BLOCKCHAINS LIVE 2020

Program Agenda

Opening speech

Keynote: Building Business Opportunities With Distributed Applications

Panel- Technology

Keynote: Going Global with Blockchain

Panel- Strategy

Keynote: Management Running Enterprise Blockchain Networks

Panel- Management

End of Conference- Closing remarks





A few housekeeping tips

Use the **Q&A** channel to ask your questions



Use this LinkedIn Group to **network**



https://www.linkedin.com/groups/12400295/





Coopetition in Blockchain Team-building for the 21st Century



Dale ChrystieBlockchain Strategist at FedEx, Chairman - BiTA Standards Council

Coopetition IN BLOCKCHAIN

Team-Building for the 21st Century











What's Blockchain



Blockchain Dust



Consortiums For All



Blockchain = Internet = \$\$\$



Sorry, What's Blockchain Again?



"We're Gonna Wait."



Neither Smart, Nor a Contract



Middlemen Forever



"Coopetition?
I Don't Think So."





"We're quite confident that Blockchain has big implications in supply chain, transportation and logistics. It's the next frontier that's going to completely change worldwide supply chains."

- Frederick W. Smith, FedEx Founder/Chairman

"Our greatest realization this past year is that in order for #blockchain to be transformative, it will need to be much bigger than us."

- Robert B. Carter, FedEx CIO





IS USELESS BORING

this is BETH

Beth is a human.

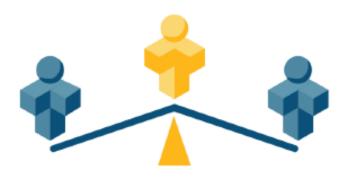
She has a digital twin. Her purchasing tendencies and history are represented in smart contracts (blockchain), IoT, AI, etc.

Beth is also a machine.





Peer-To-Peer Technology



Middlemen Forever

The C-Suite



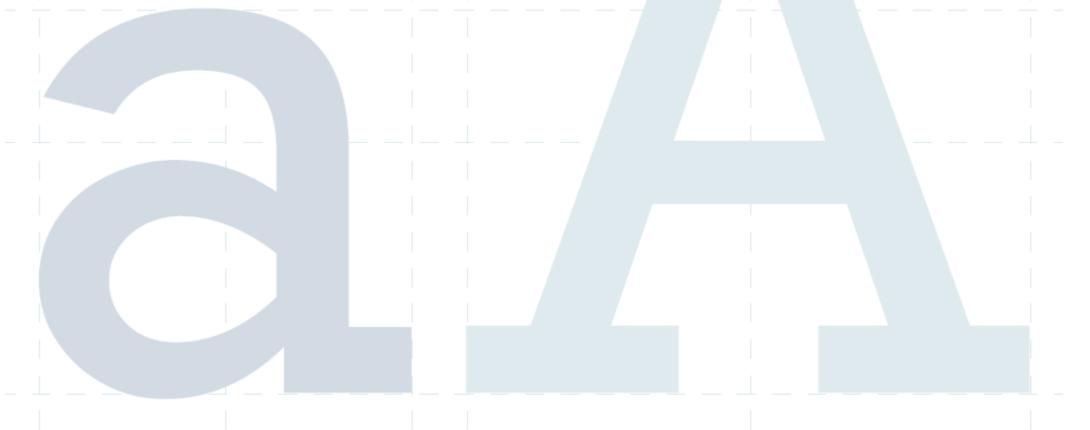




Standardization:

Enhanced network effects

Increased adoption



Cooperating to develop the non-competitive, open source platform on which blockchain will be based





PRESIDENTIAL MEMORANDUM

Memorandum on Combating Trafficking in Counterfeit and Pirated Goods ARTICLE: FedEx CIO:

It's time to mandate blockchain for international shipping Combating
Trafficking
in Counterfeit
and Pirated
Goods

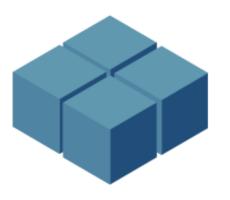






"The information about the package is as important as the package itself."

- Frederick W. Smith, FedEx Founder/Chairman, 1978









1,000

BETH

has a digital twin



1



Q&A

Use the **Q&A** channel to ask your questions









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Program Agenda

Keynote: Building Business Opportunities With Distributed Applications



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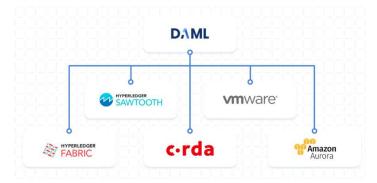


Keynote: Building Business Opportunities With Distributed Applications



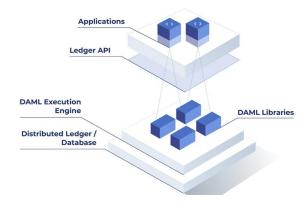
Bernhard Elsner Product Lead, Digital Asset

DAML: Distributed Applications in days not years



Write once, deploy anywhere

DLT, Blockchains, Crypto Databases, RDBs



Developer Focussed

Tooling for complete full-stack applications.







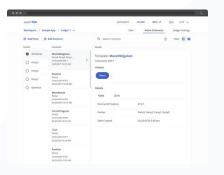






Scales from PoC to national infrastructure

Open Source, Backed by global innovation leaders



project:**DABL**

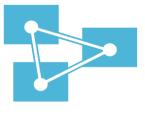


Get to market first, stay there longer

Cheap, fast, complete application platforms

What's a distributed application?

Distributed in terms of



Infrastructure



Every Large Application



Trust



Messengers with E2E encryption



Control



Distributed Social Networks



Knowledge



P2P Messaging



Blockchain's great contributions are **consistency and integrity**Smart Contracts' great contribution is a **shared understanding** of the system.

Example: Digital Money

The original Blockchain app

- High Value
- Distributed in most respects
- Consistency is crucial
- Simple
 - The state is a fixed (or controlled) quantity allocated to addresses
 - A state transition is a quantity preserving change to the allocation
 - Everything else is there to enable infrastructure and security

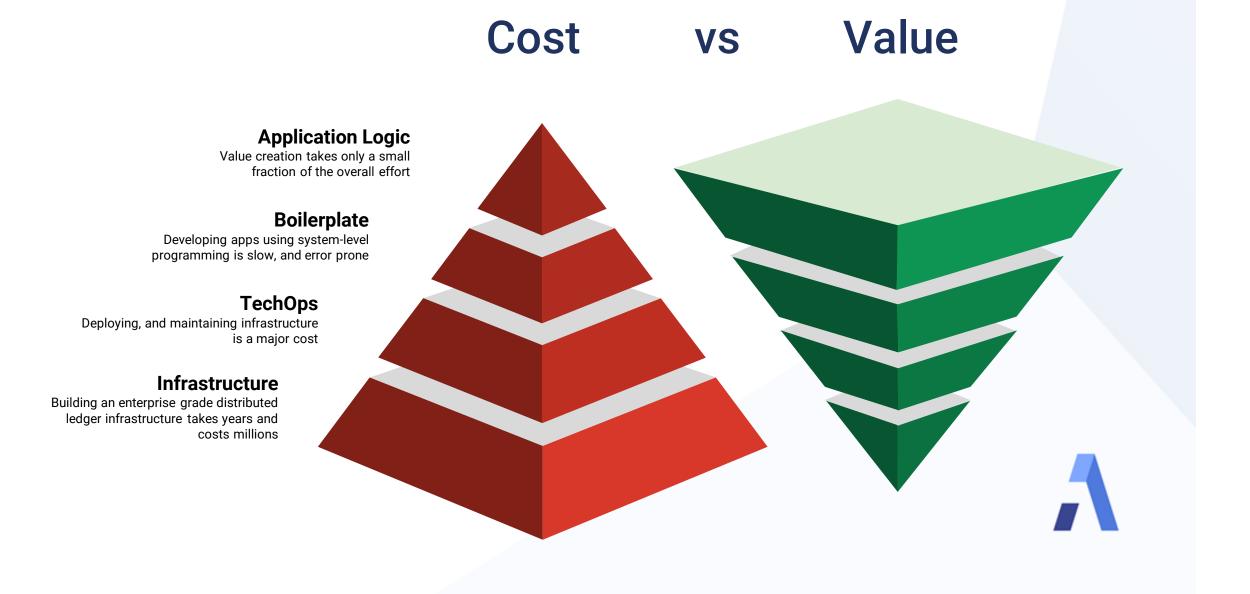
5112
Carbon Copies
on CoinMarketCap, Feb 12th 2020

Why?

847
Infrastructures
on CoinMarketCap, Feb 12th 2020
Based on the number of Coins







Historic parallels

1960s

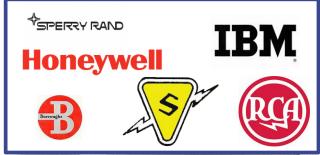




Image Credit: NASA

1990s





Image Credit: Museums Victoria

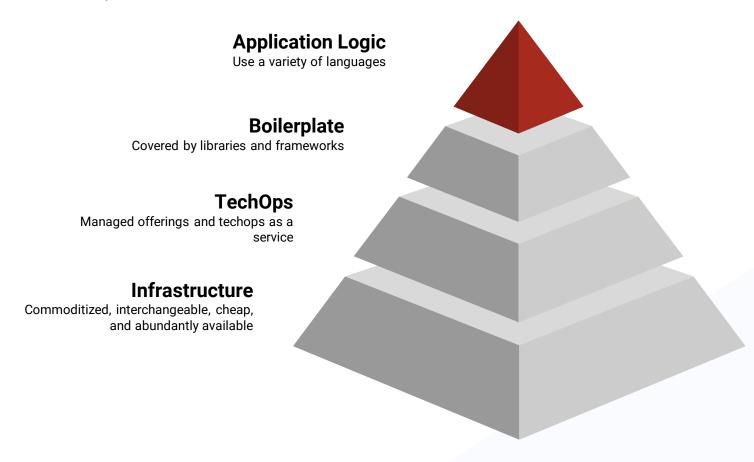
2020s



Image Credit: Pixabay

Putting value first needs abstractions

It requires confidence that the foundation can follow later



Full-Stack apps in minutes PoCs in days

Established practices
CI/CD as standard
Containerisation

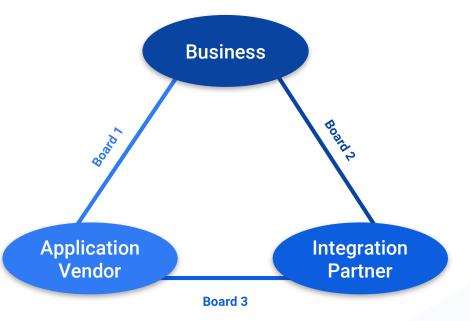
No early commitment Low risk of lockin Managed offerings

A silly example? Kanban

- Medium high value Market leader ~\$425M
- Typically centralised
- Privacy more important than consistency
- Some complexity



Image Credit: Jeff Lasovski. Modified by Opensource.com. CC BY-SA 3.0.



What's the business model of distributed Kanban?

We won't find out if it costs millions to get it into production.





Example II: Social Networks

- Very high value
- Feel distributed
- Highly centralised business models
- There's interest in decentralised models
 - Common *rules* and *data ownership* at the core
 - New Business Models around cryptocurrencies

Linked ID

Stanley Jones

Engineering Manager at DRNTY

Ang 2013 - pured

Stanley Jones

Engineering Manager at DRNTY

Ang 2013 - pured

Stanley Jones

Engineering Manager at DRNTY

Ang 2013 - pured

Stanley Jones

Engineering Manager at DRNTY

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Engineering Manager at DRNTY

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Stanley Jones

Engineering Manager at DRNTY

Ang 2013 - pured

Stanley Jones

Stan

jack 😚 🦫 💲 🥏 @jack

Twitter is funding a small independent team of up to five open source architects, engineers, and designers to develop an open and decentralized standard for social media. The goal is for Twitter to ultimately be a client of this standard.

Image Credit: Twitter



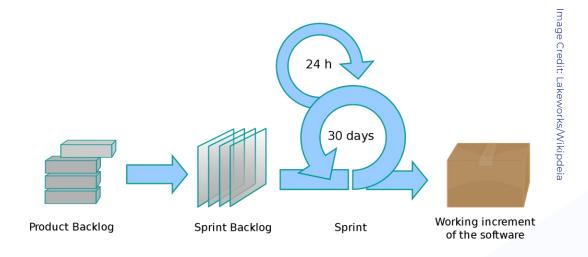


right infrastructure for Social Media?

Are the business models driving the infrastructure or vice versa?



Distributed Applications need Agile



Test a product hypothesis with minimal resources

Need to choose and lock into expensive infra first

Deliver a complete product to customers

Ecosystems focussed on infrastructure and smart contracts only

Iterate quickly and do regular releases

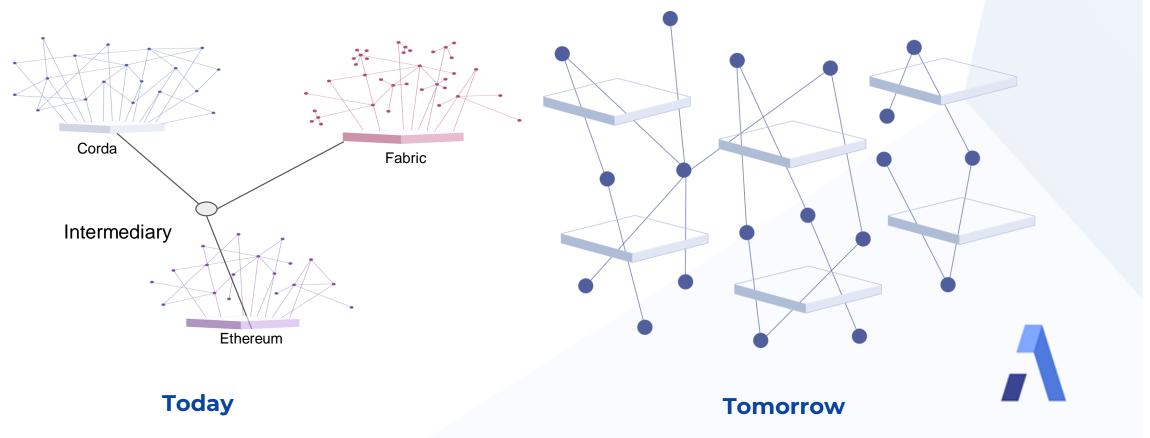
Blockchain applications are notoriously hard to upgrade

Minimize overall risk and adapt quickly

Risk

What's next?

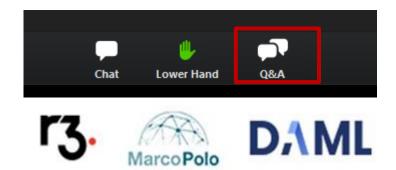
Abstracting infrastructure is only part of the story for Distributed Applications





Q&A

Use the **Q&A** channel to ask your questions



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Program Agenda

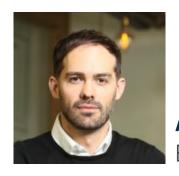
Panel- Technology



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Taking blockchain initiatives into production



Anthony DayBlockchain Partner, IBM

- No more PoCs: All the concepts have been proven.
- No more Blockchain: We're building ecosystems or platforms.
- Value case: What's the \$10m problem / opportunity.
- Endurance: Path to production is 12m+.
- COVID will be an accelerator of transformation:
 Data, Collaboration, Interoperability.

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Strategies for how each organization is driving blockchain in their sector



Andrew Knight
International Data Standards Director, RICS

RICS' - Strategy for driving blockchain in our sector

- Our profession measures, reports and provides assurance on real assets across the full property lifecycle supporting:
 - Planning
 - Construction
 - Valuation
 - Brokerage
 - Operations
 - End of life
- Producing insight and research for the profession
- Real estate and property not always seen as using most advanced technologies:
 - Important to show case and work with the profession to understand the opportunities and manage any risk associated with blockchain
- High-lighting use cases in and outside of the sector
- Planning to develop an in-house property attributes portal
- Collaborating on cross-industry application for tracking construction materials





RICS' - Strategy for driving blockchain in our sector

- See as fundamental support for the 'Digital Twin'
- Many potential use cases:
 - Enabling construction materials/supply chain management and traceability
 - Ensuring asset identification and trusted data with a clear provenance for due diligence
 - Increasing speed and quality of land and property due diligence and reducing transaction times
 - Digital certification for transactions and credentials
 - Trusted land registry/cadastral data
 - Fractionization of assets to allow more liquid public listed real estate with secondary market trading
- Challenges however, around:
 - Ensuring data matches the real world asset
 - Lack of data standardisation and availability









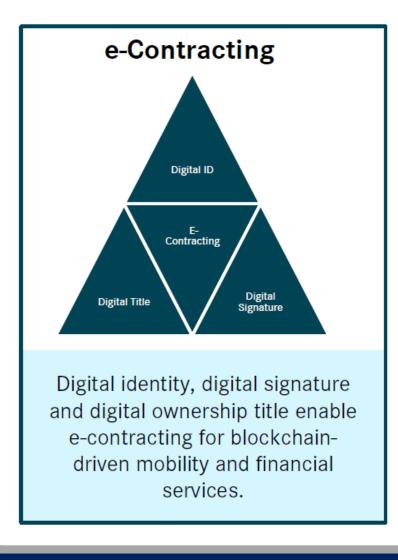
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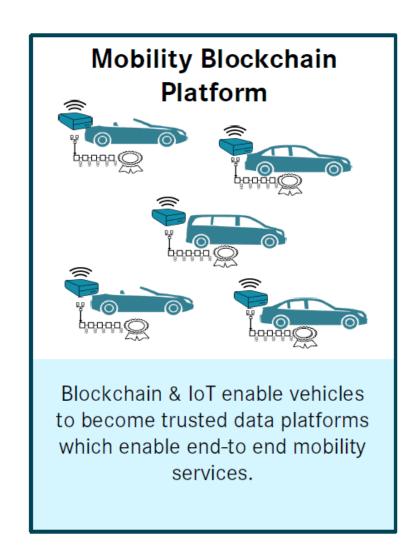
Building a viable ecosystem for blockchain transformation

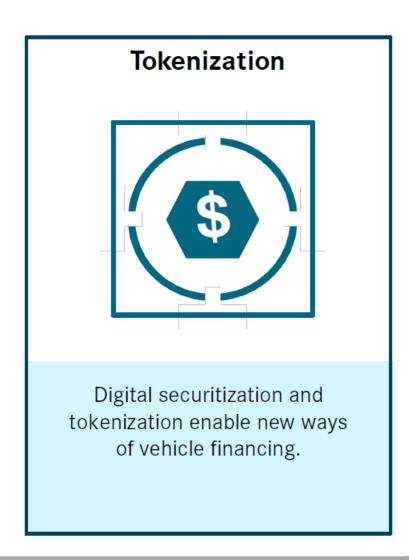


Harry BehrensHead, Daimler Mobility Blockchain Factory

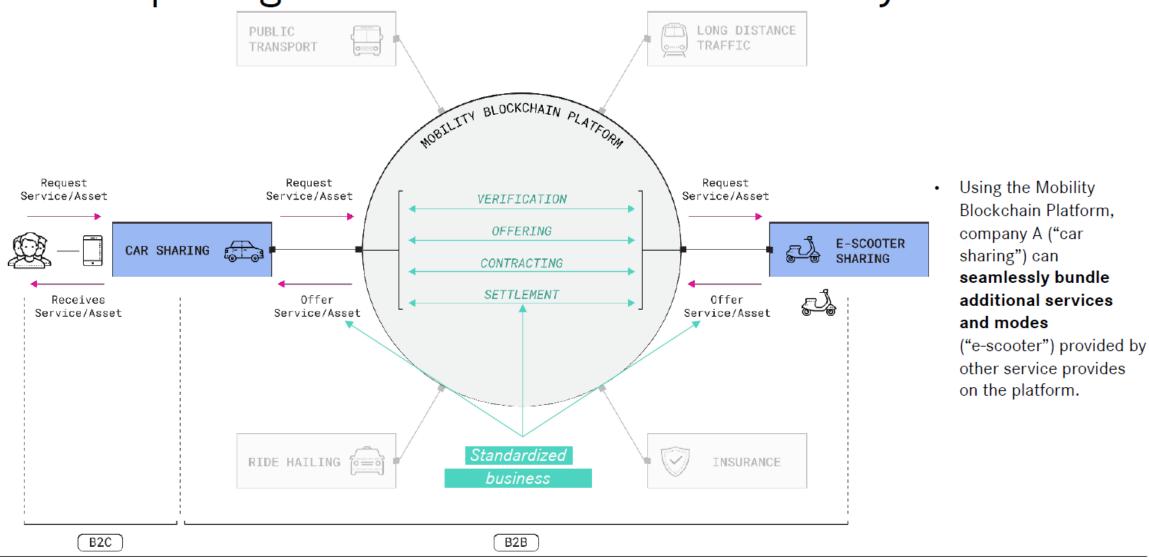
Enterprise Blockchain and DLT rests on three pillars







Open interfaces and protocols enable seamless bundling and deep integration for the #FutureOfMobility



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The role of industry bodies in facilitating blockchain's mass adoption

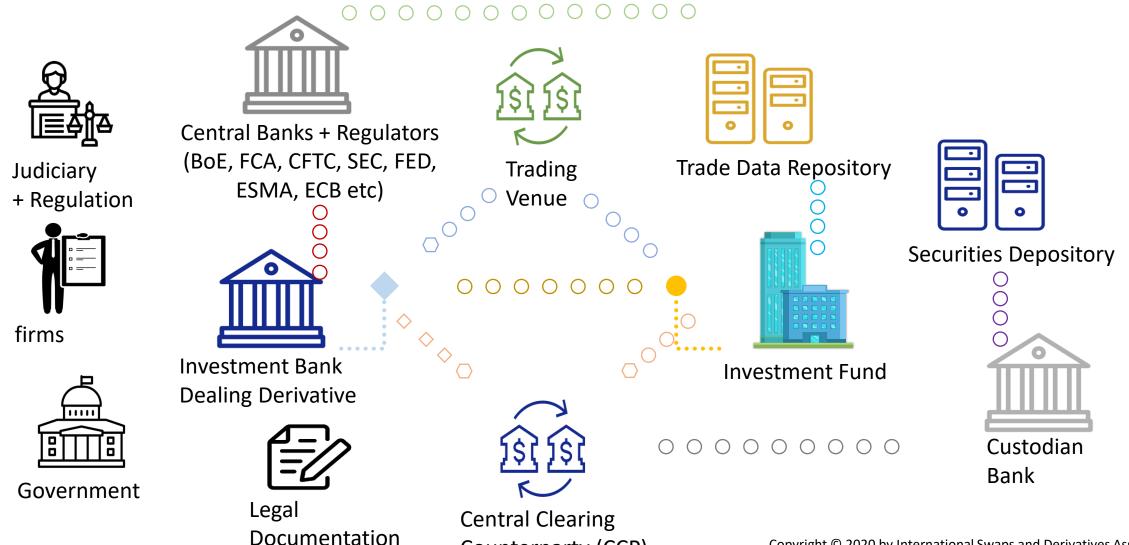


Ian SloyanDirector, Market Infrastructure and Technology, ISDA

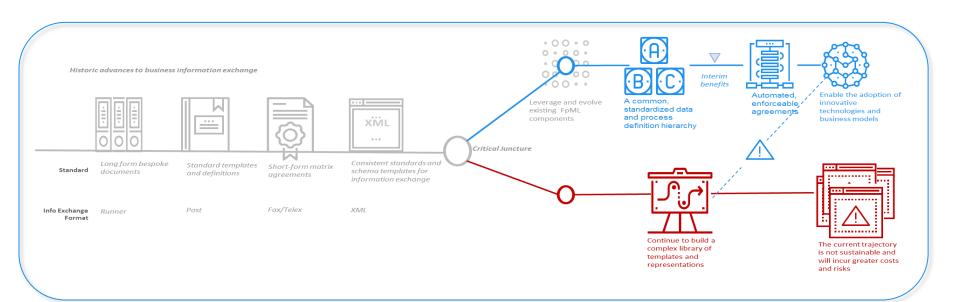
Derivatives Market Infrastructure Challenge



All parties store trade data in bespoke formats and make lifecycle changes to these records in an inconsistent manner



Counterparty (CCP)





The derivatives industry has changed significantly since the first interest rate swap was executed in 1981:

- o Growth in products, trade volumes and outstanding notional has seen it become a **multi-trillion dollar market** with outstanding notional of \$544 trillion combined across all asset classes by the end of June 2016.
- Standards initially for the legal documentation, such as the ISDA Master Agreement, provided by ISDA have been the catalyst for this growth.

The industry is at a **critical juncture**:

- The derivatives market has a big problem. The simple fact is that the nuts and bolts that hold this market together are out
 of date and not suitable for the 21st century.
- The market is beset by complex, manually intensive processes that result in errors and mounting costs. At a time when the industry is looking at where it can cut costs, this isn't sustainable.

An opportunity exists to create standards that **provide an environment for innovation** and promotes the adoption of technology like blockchain, smart contracts and distributed ledgers. Technologies which are increasingly seen as a way for the derivatives industry to realise operational efficiencies and cut costs.

How industry bodies such as ISDA can help?



Providing standards we can speed up development of new solutions by allowing providers to focus on what they specialize in – the technology – rather than requiring them to interpret and represent markets and practices.

<u>Standardisation</u> is the prerequisite for the technological revolution to be for the better, and so we fully harness the potential in technologies like blockchain and DLT.

Since 1985 ISDA has developed and continues to develop many of the market standards already!

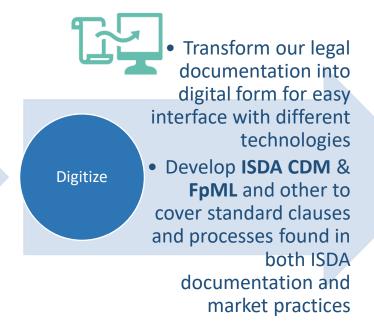
- O However, we need to ensure standardisation is of a level enough for new technology to benefit and automate.
- And, we need to deliver standards in a way that allows new tech to consume and implement them uniformly.

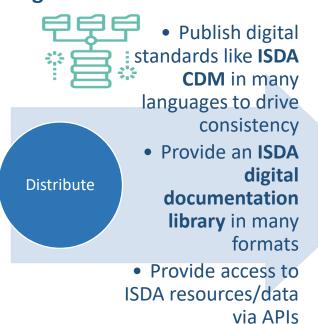
ISDA's strategy to go from delivering market standards as documentation, to delivering standards as code:

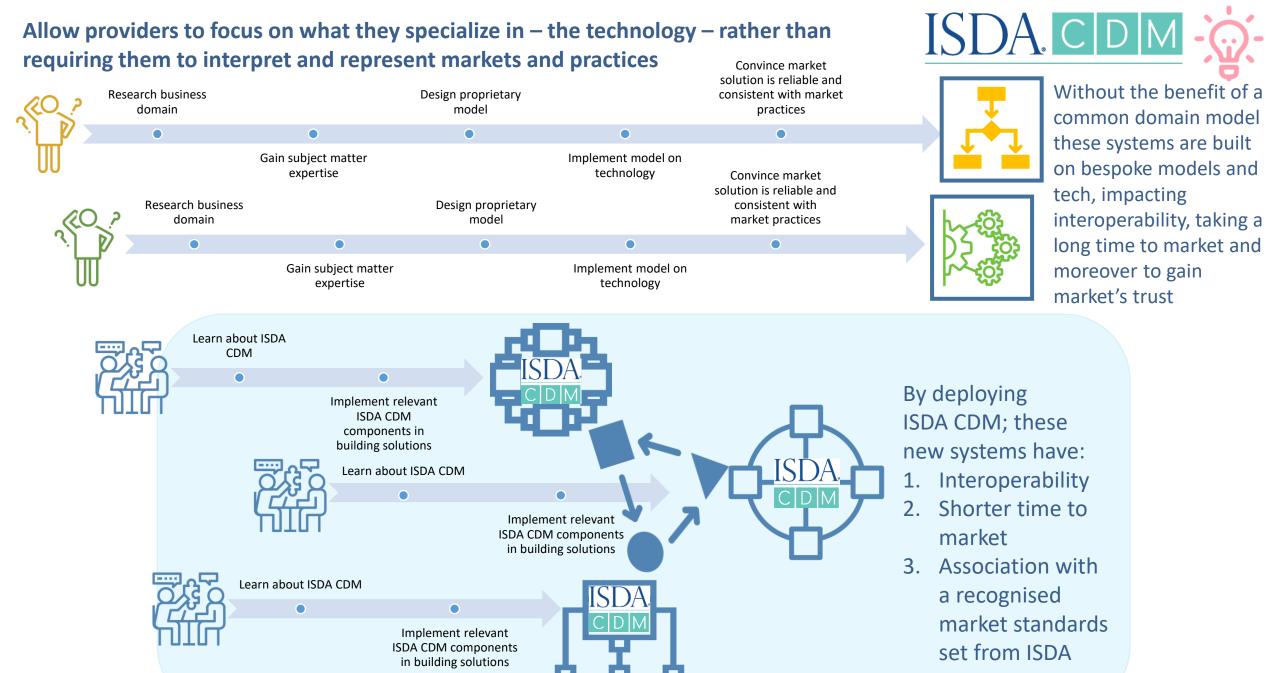


Standardize

Analysis of ISDA documentation and best practices in for potential to smart ontracts/automation and other tech and making changes where necessary









Q&A

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Program Agenda

Keynote: Going Global with Blockchain



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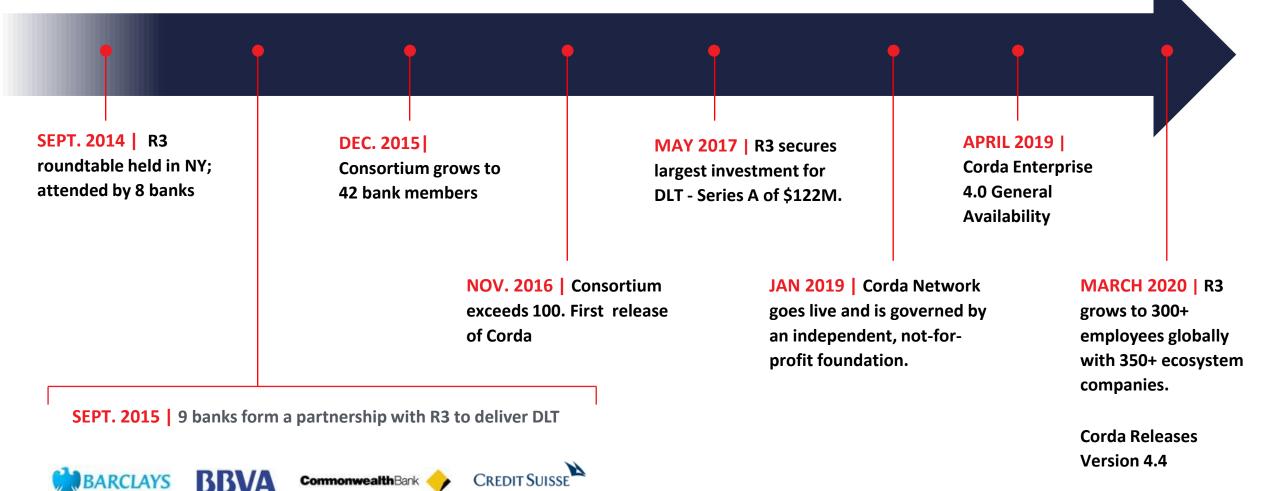


Keynote: Going Global with Blockchain- Industry Business Trends



Ryan Rugg Head of Industry Business Unit, R3

R3 Story: From bank consortium to enterprise software leader













Corda is blockchain for business



Fine-tuned for the enterprise

Corda harnesses the most appropriate elements of traditional blockchain technology and fine tunes them for enterprise usage.



Consensus on the data that matters

Corda is designed to bring participants to consensus on shared facts, removing the need for costly and time-consuming reconciliation.



Privacy with provenance



Unlike traditional blockchain platforms, Corda minimizes information leakage by only sharing transaction data with participants that require it.



Apps for every industry

Corda is the gateway to a vibrant network of blockchain applications for finance and commerce, known as CorDapps, that solve complex, real world problems.



Integrate with legacy infrastructure

Enterprise adoption will be a phased approach and Corda has been built to easily integrate and interoperate with the systems that run your business.



Globally interoperable network

Only Corda enables businesses to transact openly and flawlessly with all their business partners, without trapped assets or islands of information.

Corda Enterprise—additional mission-critical features



Blockchain Application Firewall

Enables Corda Enterprise to be deployed inside corporate data centers while retaining the ability to communicate securely with other nodes anywhere else in the world.



Optimized for real-world corporate IT environments

Includes 24/7 support, predictable release schedules, governance, performance and availability monitoring, enhanced security, high-availability, disaster-recovery and high-performance modes.



Oracle and SQL Server databases

Supports and facilitates seamless integration with industry-standard enterprise databases.



Compatibility

Cross-distribution and cross-version wire compatibility, together with the ability to operate mixed-version networks and a Corda node inside a corporate firewall.



Corda Network

Complimentary access to the world's first universally interoperable blockchain network, supporting multiple CorDapps on the same network, enabled by Corda's privacy model.

Gartner Report: Blockchain Evolution

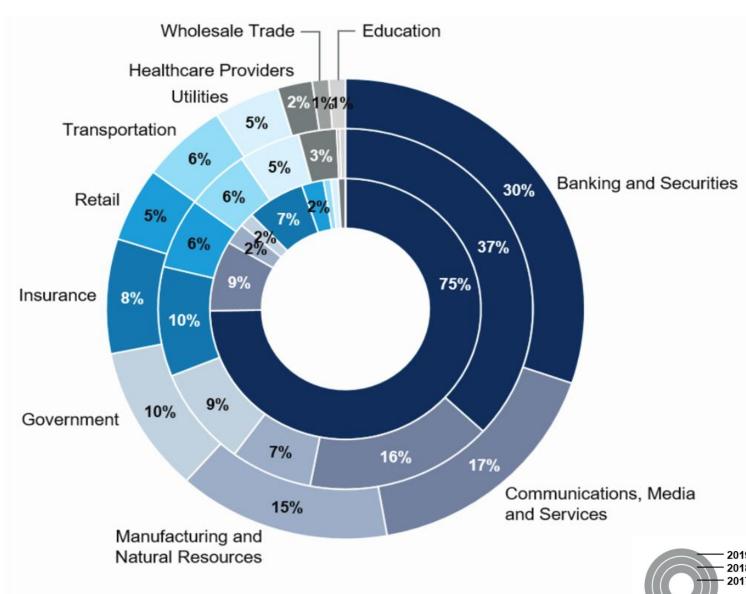
Blockchain Exploration Accelerates in Key Industries Outside Financial Services:

As interest grows, blockchain is moving rapidly in emerging markets, in sectors beyond financial services and in use cases where use can be mandated, and large ecosystems are not required.

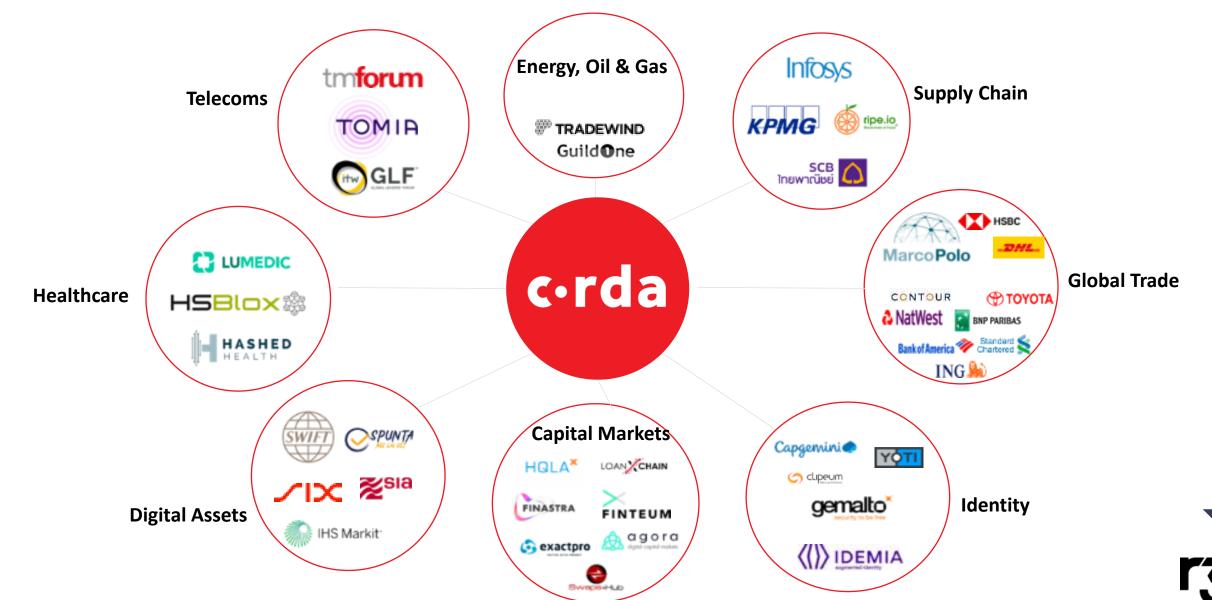
In 2017, over 80% of reported engagements were in the financial services sector. However, in 2019, these sectors account for under 40%.

R3's Key Verticals represent the ecosystem's:

- Energy
- Financial Services
- Healthcare
- Insurance
- Supply Chain
- Trade Finance
- Teleco



Corda Solutions transforming industries



Digital Transformation on Corda

RiskStream



P&C insurance consortium based out of North America with 40+ members. Founded by The Institutes; the leading P&C certification authority in North America. Savings of approx. \$270M over 3 years based on ROI study for FNOL & POI applications alone

SDX



SDX is a new digital asset exchange. SIX is working with the SNB to explore technological options to make digital central bank money available for the trading and settlement of tokenized assets between financial market participants.

Marco Polo



Marco Polo Network

A bank-focused network of platforms offering
ERP-embedded trade and working capital
finance applications to their corporate clients.
Products available: Receivable Discounting,
Factoring & Payment Commitment

Other exciting initiatives...



Riksbank: Is building a Central Bank Digital currency (E-krona) on Corda. This is creating a general electronic means of payment, an e-krona, as a complement to cash.



Contour is the result of a multi year collaborative project between a group global and regional banks and R3 to investigate the benefits of enabling Letters of Credit to be processed on a blockchain platform. The banks included Bangkok Bank, BNP, Citibank, CTBC, HSBC, ING, SEB, and Standard Chartered.



Q&A

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ENTERPRISE BLOCKCHAINS LIVE 2020

Program Agenda

Panel-Strategy







Coopetition in Blockchain

Team-building for the 21st Century



Dale ChrystieBlockchain Strategist, FedEx; Chairman, BiTA Standards Council

Coopetition IN BLOCKCHAIN

Team-Building for the 21st Century





"We're quite confident that Blockchain has big implications in supply chain, transportation and logistics. It's the next frontier that's going to completely change worldwide supply chains."

- Frederick W. Smith, FedEx Founder/Chairman

"Our greatest realization this past year is that in order for #blockchain to be transformative, it will need to be much bigger than us."

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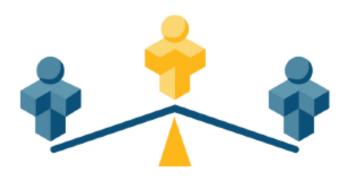


"The information about the package is as important as the package itself."

- Frederick W. Smith, FedEx Founder/Chairman, 1978



Peer-To-Peer Technology



Middlemen Forever

The C-Suite









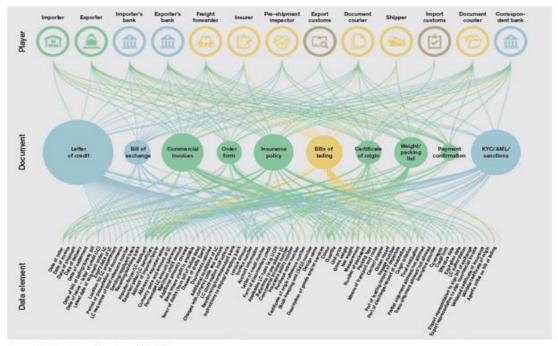
The importance to play in an interoperable and collaborative world



Emmanuelle GanneSenior Analyst, WTO

Trade is complex and labour- and paper-intensive

Actors and documents involved in a trade finance transaction

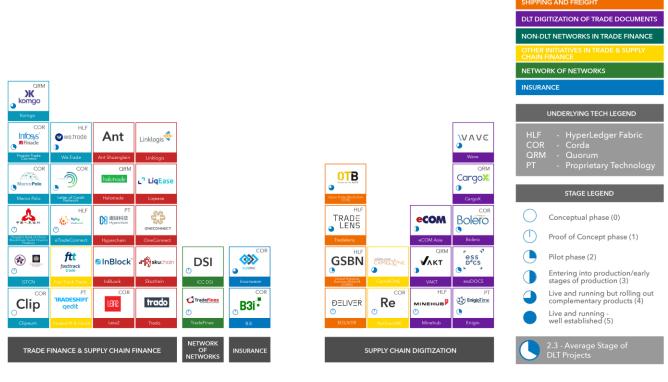




Source: Boston Consulting Group (2017).







COLOUR LEGEND

TRADE FINANCE INITIATIVES
SUPPLY CHAIN DLT INITIATIVES

Source: Blockchain and DLT in Trade: A Reality Check (2019)





Key challenges to address

Interoperability

Technical, semantics, data models, processes

Regulatory issues

Regulation as an enabler; regulatory challenges

Governance

Risk of regulatory fragmentation

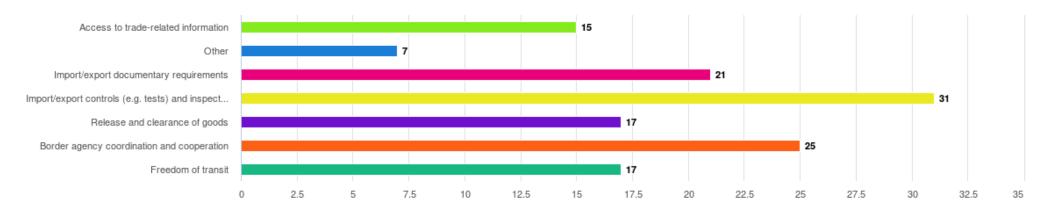
> Interoperability and collaboration are essential





... now more than ever!

Which of the following trade-related processes have become MORE cumbersome or time consuming in the context of the COVID-19 containment efforts?* (Select all that apply)

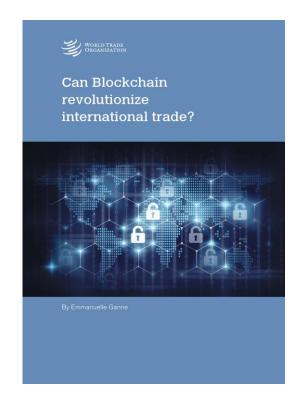


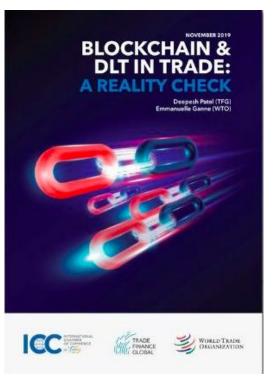
Source: www.TFAFacility.org





Thank you for your attention!











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Inclusive Deployment of Blockchain for Trade



David BischofDeputy Director, Finance for Development Hub, ICC



The International Chamber of Commerce (ICC) is the world's largest business organisation representing more than 45 million companies in over 100 countries.



- Agreement on common definitions by all countries for commercial terms
 - > ICC's Incoterms
- **Development of an international service for** arbitration of commercial disputes
 - **ICC Court of Arbitration**
- Development of universally accepted rules and guidelines for international banking practice.
 - > ICC rules on documentary credits e.g UCP 600



Covid-19 as accelerator for Trade Digitalization



- Historic agreement with WHO to mobilise ICC network to help manage the Covid-19 pandemic
- ICC will support WHO to disseminate latest expert advice to global network
- Will forge collaboration between the private sector, UN and WHO country teams
- ICC will survey members to map corporate response, identify gaps and propose solutions
- Will also ramp up advocacy with govt's to ensure best practices in public-private cooperation during pandemic period

Need for strong action and acceleration of move from analogue to digital trading docs

The ICC Roadmap for Digital Trade in Financial Services

TODAY

NEXT FIVE YEARS

FUTURE

HEAVILY PAPER-BASED PROCESSES

Four billion documents circulating in the trade system

WE NEED TO:

DIGITISE THE FLOW OF INFORMATION IN TRADE

AUTOMATION

Digital clearance, trading, reporting, and KYC processes

LIMITED ACCESS TO FINANCE

US\$1.5 trillion trade finance gap persists

REDUCE THE COST OF CAPITAL

INCREASED FINANCIAL INCLUSION

Cost of finance attainable to all stakeholders

OUTDATED LAWS

Legal uncertainty regarding acceptance of digital trade documentation (eDocs), etc.

UPDATE AND ALIGN LAWS AND REGULATIONS

REVISED LEGAL FRAMEWORK

Use of data and electronic documentation only

NO STANDARDS

Lack of standardized wording and/or formatting

DEVELOP DIGITAL STANDARDS

INTEROPERABILITY BETWEEN SYSTEMS

Seamless trade flows between different technology platforms



ICC: 7 steps for unlocking national digital trade

Prepare for New Technologies

- 1. Develop and maintain an open set of smart industry contracts and automated rules
- 2. Choose trade corridors and industries with which to prioritise pilots

Develop Rules & Standards

- 3. Modernise digital rules and standards for traditional trade finance
- 4. Introduce new digital rules and standards for trade finance
- 5. Establish a repository of best practices to promote paperless trade
 - 6. Build a global digital trade standards initiative

Increase Collaboration with Non-Bank Stakeholders

7. Establish a forum to allow for industry input into ongoing rules discussions

Including corporates, fintechs, shippers, insurers, alternative providers of trade finance, WCO, WTO, UNCITRAL, regulators



GLOBAL TRADE & BLOCKCHAIN FORUM



The **Global Trade & Blockchain platform** is a WTO and ICC initiative to establish a multistakeholder dialogue to discuss the practical and legal implications of blockchain for international trade.

- elements in the blockchain ecosystem that work well
- elements that should be improved
- and need to be addressed by the international trade community

Phase 1 - Key issues

Feedback from numerous parties from around the world

- 1. Data sharing & privacy
- 2. Interoperability & Standardisation
- 3. Legal framework
- 4. Knowledge Sharing & Communication



INTEROPERABILITY & STANDARDISATION

- How would the standards for blockchain network interoperability be set and who would monitor and own them on an ongoing basis?
- How would the adoption of these standards across trade bodies, customs organizations, buyer/supplier and trade services be driven?
- Depending on how successful interoperability is achieved across different blockchain trader networks, could it have an impact on consolidation of the various platforms and if so, what would be the process to consolidate and who would drive that process?



THE DIGITAL TRADE STANDARDS INITIATIVE (DSI)

ICC, as part of its mandate in setting rules and standards, is now developing
a Digital Trade Standards Initiative (DSI) to develop cross-industry
digital trade standards.

Digital Trade Standards Initiative

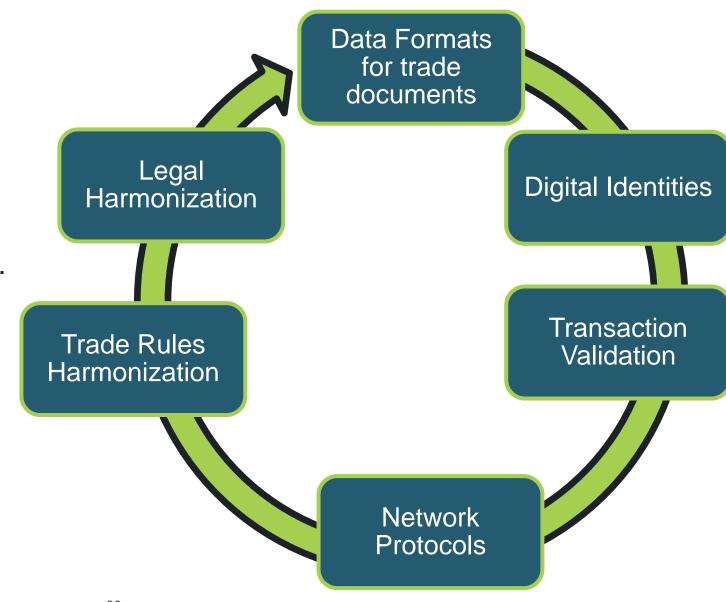
- Will lead efforts to digitalise trade by creating open trade and technology standards to promote interoperability among numerous blockchain platforms
- Backed by Asian Dev Bank and Singapore, with recruitment of Managing Director underway



Digital Trade Standards Initiative...

a suite of open technology
 standards and protocols to enable
 interoperability between digital trade
 systems, applications, and networks.

 A global initiative that coordinates the creation, maintenance, and promotion of these standards and protocols.



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Blockchain vs Supply Chain



Just PiferrerDirector Supply Chain Management, Eninter Ascensores

Eninter Group: What we are and some signature customers

Founded 1.973

46.000 elevators on duty

70.000.000€ Revenue (1)

- >800 employees >500 vehicles
- > 10 Companies
- > 50 sites (Spain only)

Branches on Italy,

Sitwzerland and Portugal

Main products:

- Type and capacity:
 - ✓ Elevators from 225 to > 1.000 Kgrs
 - √ Gearless
 - √ Hydraulic
- Product range:
 - Automatic doors
 - ✓ Home stair lifts & Dumbwaiters
 - ✓ Residential & High-rise elevators.

Key references:























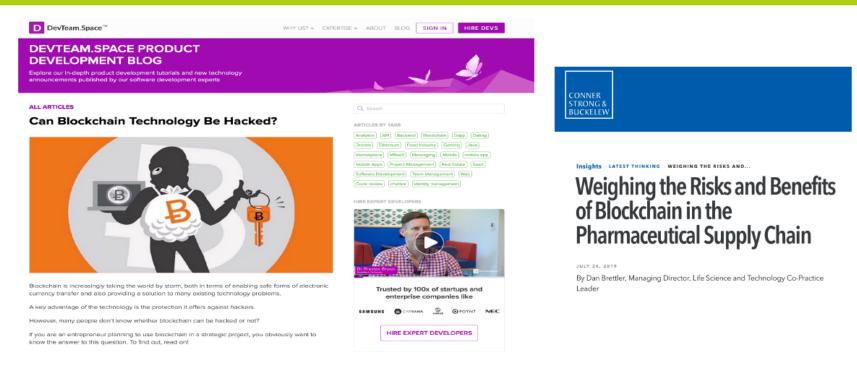






(1) Consolidated Financial Statement as of Dec'19

Blockchain vs Supply Chain



"While the potential benefits of blockchain are limitless, innovating companies must understand that implementing this new technology also brings new areas of vulnerability."

"Private Blockchains killed the Blockchain spirit"





Q&A

Use the **Q&A** channel to ask your questions









ENTERPRISE BLOCKCHAINS LIVE 2020

Program Agenda

Keynote: Management Running Enterprise Blockchain Networks





VIRTUAL CONFERENCE

Keynote: Running Enterprise Blockchain Networks

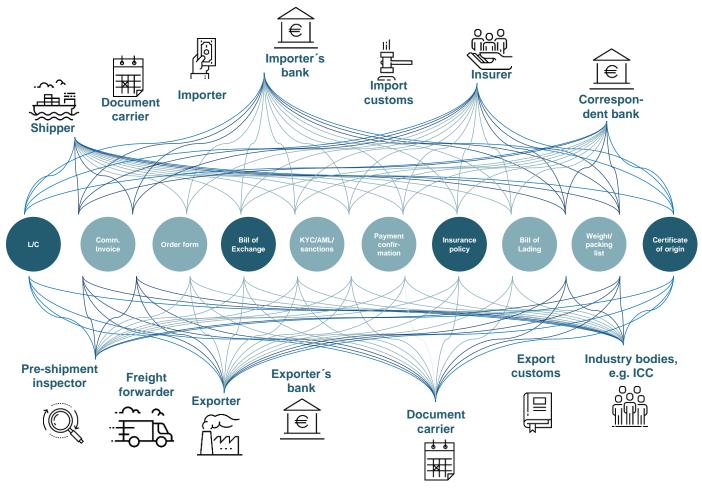


Daniel CottiManaging Director, Center of Excellence, Banking & Trade, Marco Polo

Today's trade transactions

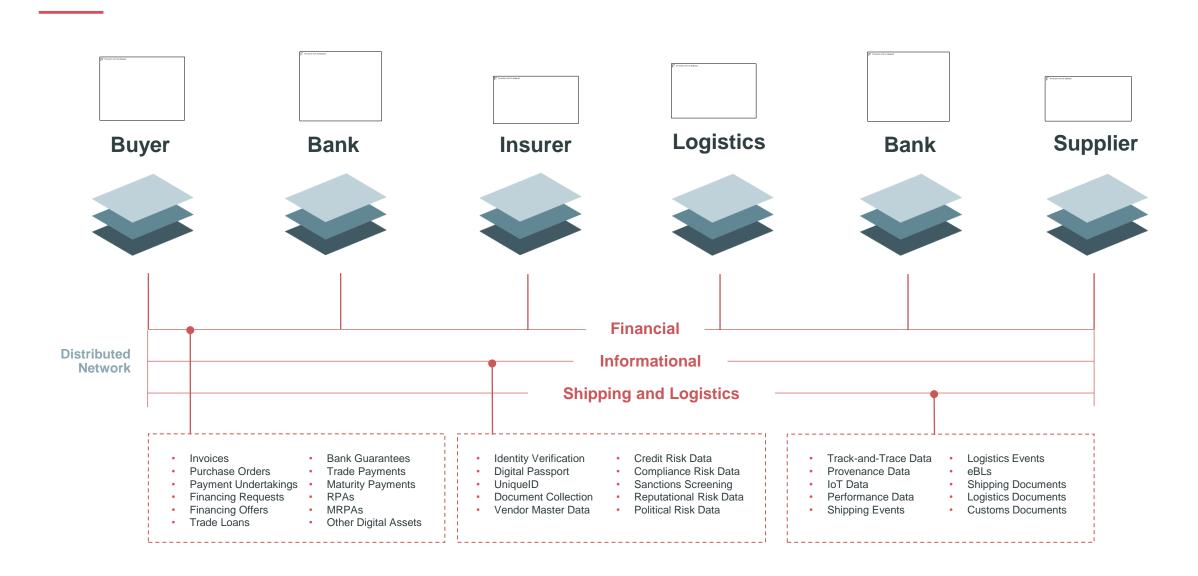


Numerous players, documents and data elements are involved based on data/document exchange via multiple isolated systems



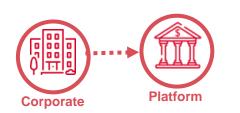
Convergence of Physical, Financial, and Informational Supply Chains

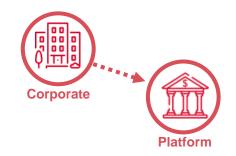


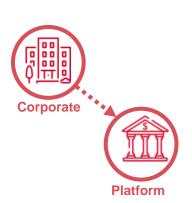


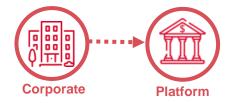
Trade Finance Industry Challenges











Lack of standards and interoperability give rise to disconnected trade systems that do not speak to one another.



Valuable trade data is trapped

in different siloed applications making it hard to collaborate and even harder to verify.



These data issues create situations that can lead to **errors, omissions and compliance** problems.



Reliance on manual and tedious tasks leads to costly and error prone processes.



All these issues result in large pools of trade assets not accessible for funding by financial institutions.



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Current Situation

Corporate Treasury is constantly looking to improve working capital and repatriate liquidity from group entities to the corporate level.

Managing multiple different working capital finance solutions with multitude of financial partners is time-consuming and difficult to manage efficiently.

The systems currently used by banks and their corporate clients to manage trade and working capital finance are siloed, highly manual, causing a lack of visibility, and overhead costs.

The current setup makes it difficult to change or add new funding partners.

Corporate Objectives



Improve Data Privacy and Data Residency



Comply with ESG Corporate Requirements



Increase size of working capital financing facilities



Increase number of funding options



Strengthen supply chains and ensure liquidity to all suppliers



Integrate & automate solutions with ERP

Transformative Market Developments





Four key technologies, which are shaping the trade finance market:

Cloud Computing infrastructure (AWS)
Application Program Interfaces (APIs)
Distributed Ledger Technology (blockchain)
Artificial Intelligence (AI)



The Rise of Platform Networks

- The way we design and build software and the way users interact with it is undergoing a radical transformation.
- Replacing siloed, destination applications ("pipes") where users only consume resources have been replaced by distributed platforms.
- Example: Amazon Webservices

Open Communication Protocols

- Open protocols and standard technology infrastructure enabled a global transformation in information technology.
- Examples: Web-HTML, HTTP, Mobile-GSM and CDMA, Email- SMTP



Modular Design & Microservices

- Reduces time to market by providing plug-and-play tools and infrastructure needed to build, test, and deploy solutions.
- Modular development frameworks allow for quick and efficient customization.



Cloud-based ERP

- Over 40% of the clients using the four largest ERP software providers are using it on the cloud.
- Much lower upfront costs and gives user access to businesscritical applications at any time from any location.



Distributed Ledger Technology

- Transforming the way we establish trust and transfer value.
- Providing a new technology backbone for financial services and beyond

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What do we consider a trade platform and network?



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Trade Platform and Network

Any software system, platform, network, application, or any other derivative that facilitates the flow of goods, money, data, and credit in cross-border commerce and global trade.

Examples

- core banking systems
- third-party / proprietary trade finance platforms
- corporate ERPs
- accounting software
- e-procurement networks
- e-invoicing networks
- inventory management systems
- warehouse management systems
- payment networks
- logistics management systems
- trade document management systems
- collateral registries

What do we consider a trade platform and network?



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- "I'll know it when I see it"
- A leap to do for global trade what the internet did for information.



10% of invoices are electronic

10% of invoices are paper

- An ecosystem in which the majority of global trade transactions....
 - o occur entirely digitally
 - are facilitated and financed using a standard, open technology infrastructure that connects the majority of participants involved in global trade
 - enables trading parties to transact and exchange trade data and assets as seamlessly as one would exchange text messages and emails.

Emerging Networks in Trade Finance



Because of this, the industry is now in search of a new networks.

Such networks require the creation of network effects.

Hence the dramatic rise in the number of trade finance consortia and industry initiatives focused on creating better connected ecosystem.

Marco Polo Marco Polo Network - Open Account Trade Finance Platform

CONTOUR

Contour- Letter of Credit/e-Documents Platform



we.trade - European SME Trade Finance Platform

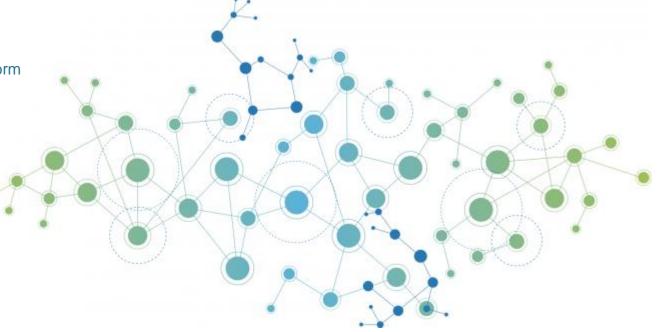


CCRM – Trade Finance Risk Distribution Platform



Komgo - Commodity Trade Network

And many more!



Differentiation: "Destination" vs. "Distributed" Platforms





The legacy "destination" model has serious technical and business model limitations.

- X Users must come to a single, central, branded destination to transact
- X Each new connection requires **bespoke**, costly integration
- Creates vendor risk and a single point of failure
- Yendor owns and controls all data; major data custody and data privacy issues
- X Cannot be customized for each deployment & limits deployment options
- Vendor controls the platform and intermediates client relationships
- X No meaningful differentiation for users- all using same iteration
- Closed model means users cannot build their own solutions or integrations



The "distributed" model, enabling mass adoption and global scale in a way that has not been possible before.

- √ Platform is distributed and run by each entity
- √ Only one integration required to connect to all participants
- √ Eliminates vendor risk and single point of failure
- ✓ Network owned by participants; No one single party **owns** distributed network.
- √ Allows each user controls and manages its own data
- √ Highly configurable for and by each entity and program
- ✓ Provides multiple, flexible deployment options
- √ Users control their platform and client relationships
- ✓ Open model allows users to build their own solutions and integrations

Marco Polo Network





Founded in 2017 by a group of leading financial institutions and enterprise technology providers, TradelX and R3.

Now the largest and fastest growing distributed trade and working capital finance network in the world.

Digital platform that allows trading parties to automate and streamline their trade and supply chain finance activities.

Financial Institutions

Technology Partners

20+ Corporates





















































































Open and distributed network for trade and working capital finance powered by open Application Programming Interfaces (APIs) and blockchain technology.



Facilitating trade and working capital creating solutions finance better customer experience and seamless data integration, while reducing costs, time and risk.



Marco Polo enables the creation of Trade and Working Capital Finance applications and modules through a collaborative co-creation model of the members.

Successful tested and implemented by over 20 corporates. Recognized by numerous market awards











The Marco Polo Network – Value Proposition & Benefits





One Network for multiple Trade Finance Solutions

Instead of using different, separate trade finance solutions for your receivables or payables, the ERP-embed-ded Working Capital App allows you to manage your trade finance solutions within your ERP platform and interface.



Works with your existing solutions

No need to change or integrate to various external systems.

The ERP-embedded Working Capital Finance App allows you to work with your existing systems and connect fast and easy with all the banks in the Marco Polo Network.



Access to distributed ledger Technology

The Marco Polo Network allows you to store your trade data securely on the blockchain.

This provides you with secure, distributed data storage and book-keeping, automated contract enforcement, identity management, asset verification and tracking.



Access to Trade and Working Capital Finance

Seamless access to financing products delivered through banks on the Marco Polo Network.

One Access to One Distributed Platform

Connect once-connect to many [COCM]

One single integration and interface with ERP, banks, B2B networks, other value added services

Multiple Working Capital Solutions

Modular applications

Customize and use multiple solutions in the same network

Leveraging Blockchain Technology

Permissioned & secure access

Secure, real-time, peer-to-peer exchange of verifiable trade data and assets thanks to **Corda's** private, **enterprise grade DLT protocol**

Marco Polo Network - Priority Trade Instruments



Payables Finance

Classical Supply Chain Finance solution but delivered with fully digitized and highly automated workflows with focus on:

- Mass and quick Supplier on-boarding
- Enables reach to tail-end suppliers
- Provide liquidity from a wide range of global and regional trade banks
- Leverage arms-length SPV structure
- Leverage existing MRPA risk mitigation and funding structure
- Leverage existing Capital Markets Notes issuance structure
- Leverage integrated payment solutions

Receivables Discounting

Participants need simple, fast, and secure integrations into their core and back-office systems and the ability to get up and running quickly

- Focus on simple file uploads/downloads from UI
- Enable basic file transfer jobs from buyer FRP
- Support common translations for file formats
- Provide user-friendly documentation

Payment Commitment

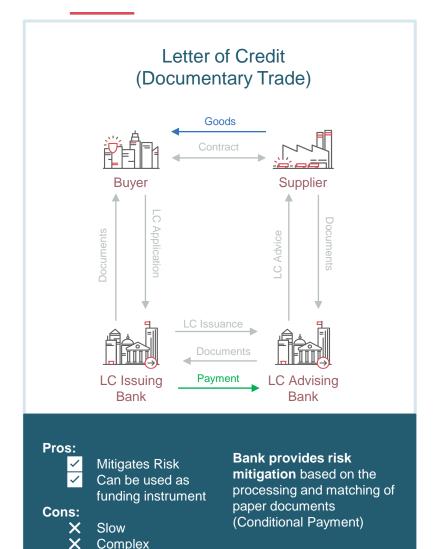
New digital trade settlement method between Letters of Credit and Open Account

- Irrevocable Payment Commitments (IPC) are issued by Buyers Bank based on exchange and matching of digital trade data (PO's, invoices, shipping data)
- The IPC can get financed by either the buyers bank or sellers bank outside the PC module pending we release financing functionality as part of the PC module.

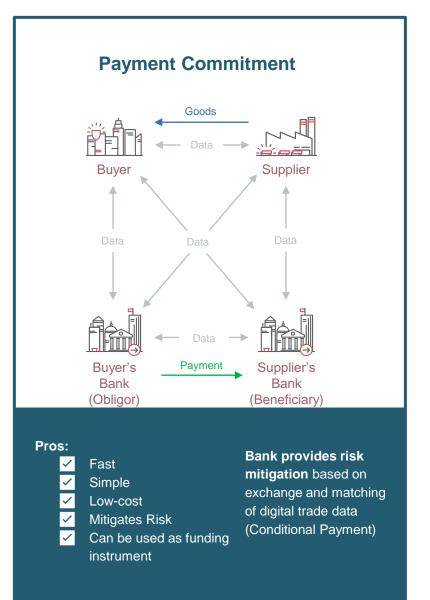
All three trade instruments offer risk mitigation and liquidity into the Supply Chains through the same connectivity on the Marco Polo Network powered by the Corda DLT and the TradelX applications.

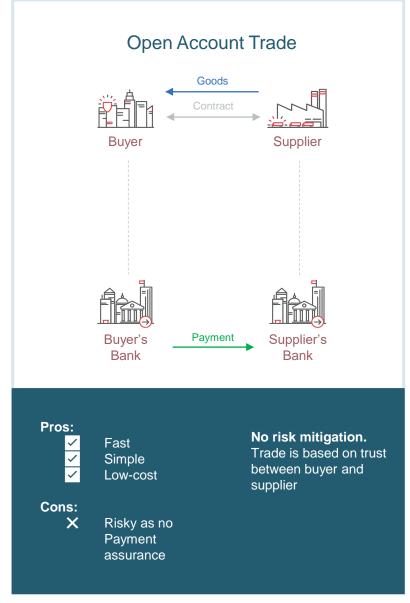
Payment Commitment – New Digital Trade Settlement Instrument





Costly





Current market conditions



Financial Stress Index

- · A measure of the US Department of Treasury
- · Takes into account credit conditions, equity valuations, access to funding, value of safe assets and market volatility



Small Business Survey





Extremely Concerned

Decrease in Demand



Large Decrease

Supply Chain Impacts

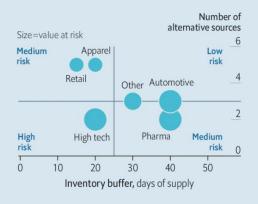


Suppliers and Own Business Affected

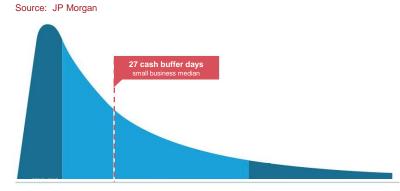
Source: US SBCD

Supply chain risks per industry

Source: Economist



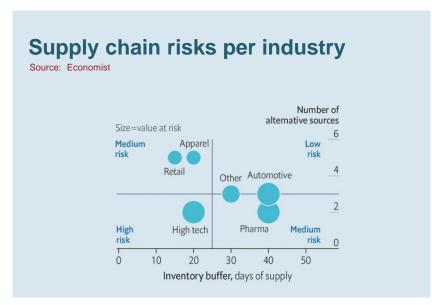


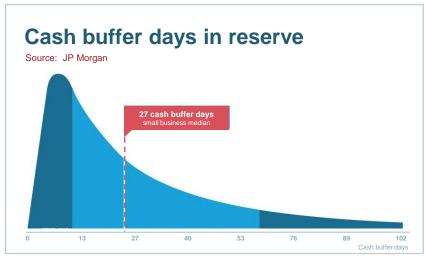


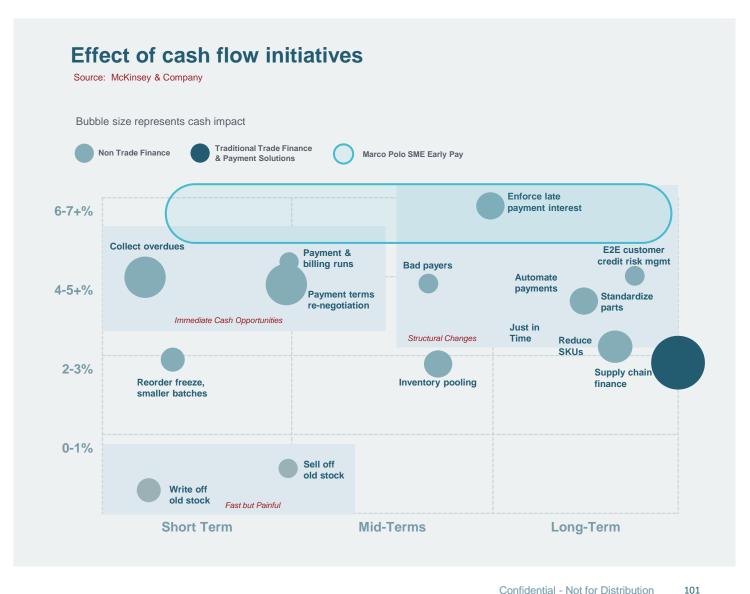
Cash buffer days 100

Liquidity and supply chains during Covid-19 & beyond



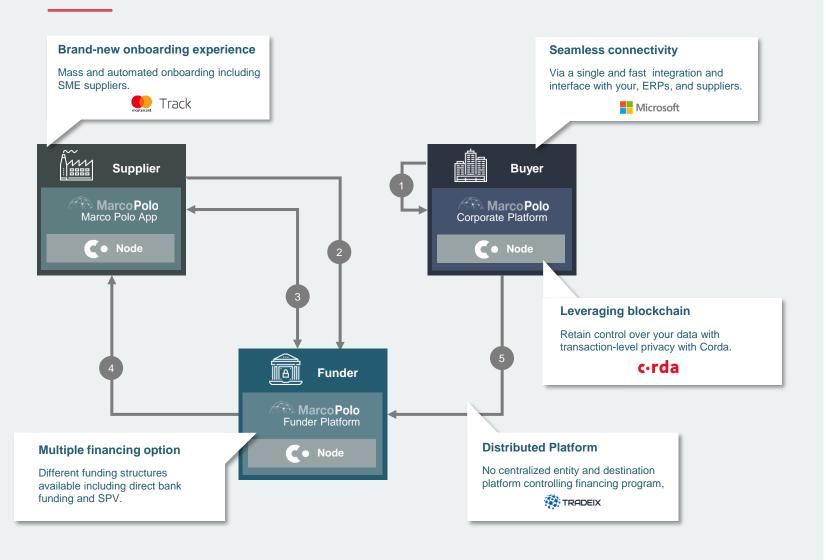






Marco Polo SME Early Pay Initiative – Payables Finance





Process Steps

- Buyer uploads approved invoice
- 2 Supplier submits funding request for approved invoice(s)
- 3 Funder submits funding response and supplier accepts it.
- Funder pays Supplier the invoice amount less a discount fee for early payment. Invoice ownership is transferred to funder.
- At maturity, Buyer pays funder the full invoice amount.

Supplier Benefits

- A/R↓ DSO↓ Working Capital↓
- Off balance sheet, non-recourse financing
- Leverage buyers strong credit rating
- Certainty of payment (forecasting)
- Visibility into payment details

Buyer Benefits

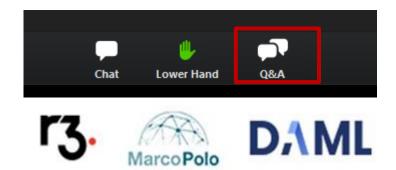
- Maintain DPO and Working Capital
- Standardize payment terms
- Reduce risk in supply chain
- Improve supplier relationships

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Q&A

Use the **Q&A** channel to ask your questions



ENTERPRISE BLOCKCHAINS LIVE 2020

Program Agenda



Panel- Management

VIRTUAL CONFERENCE



Treasury Topics on Blockchain



Ignacio Sanchez MiretChairman Fintech Committee, AFTE. The French Association of Corporate Treasurers

>> What is your interest in blockchain and what are you working on.

The financial industry isn't interested in alternative money and digital currencies. It's interested in the distributed ledger. It could replace the entire technological back end of dematerialized securities in real time, without reconciliations and lots of controls. *Robert Sarns (founder of Clearmatics)*



>> List of projets we are working on



What

- Platforms on loans and guarantees with pool of institutions
- 2. KYC with banks
- 3. Instant Settlements
- 4. Secured payments control
- **5.** Trade finance



How

- Leadership of proof of concept
- Lobbing on Corporate voices for technological choices
- Networking with European peers
- Participating on trials
- Following latest news

>>> What is the business impact of blockchain you expect, and why you decided to approach the technology for your company/ clients

- Accept crypto-currency as a means of receiving payment
- Use crypto-currency as means of cross border payment
- Use blockchain as a vehicle for smart contracts
- Use blockchain for securing relationships with partners / customers
- Use blockchain as means of replacing processing platforms

101 Blockchains

VIRTUAL CONFERENCE

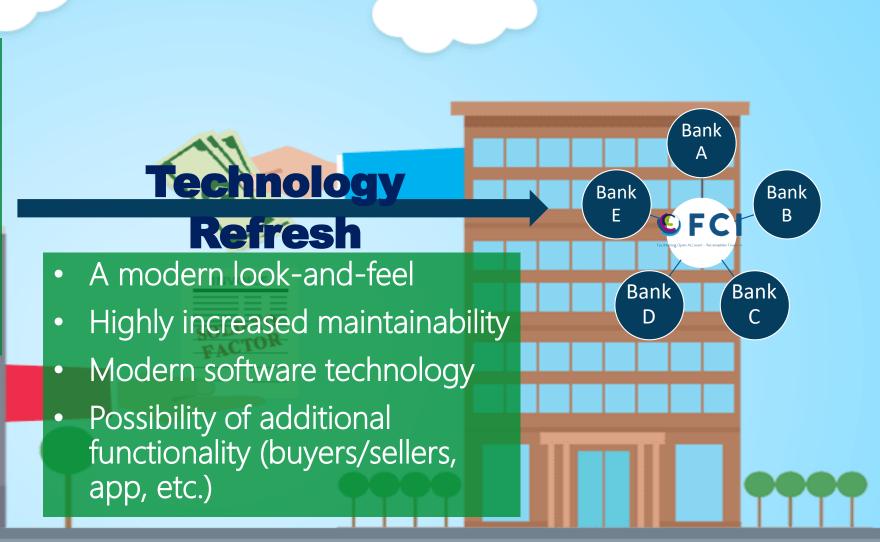
How C-Level Executives approach blockchain

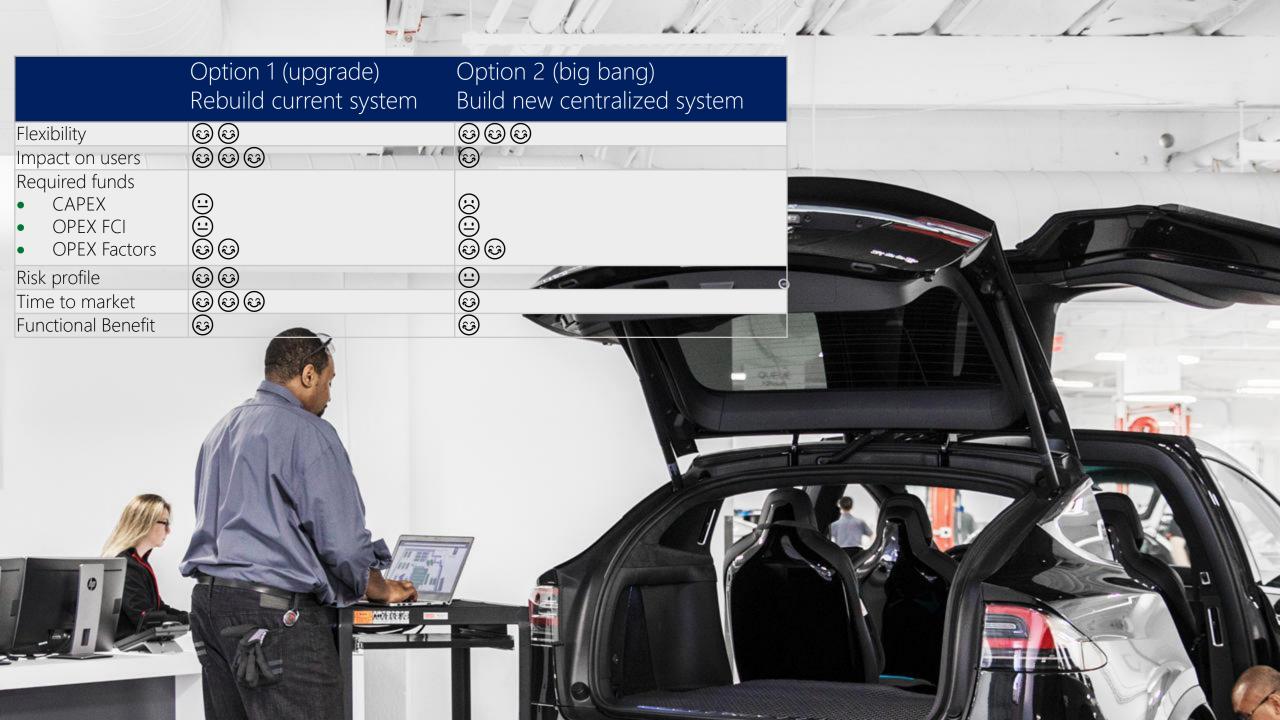


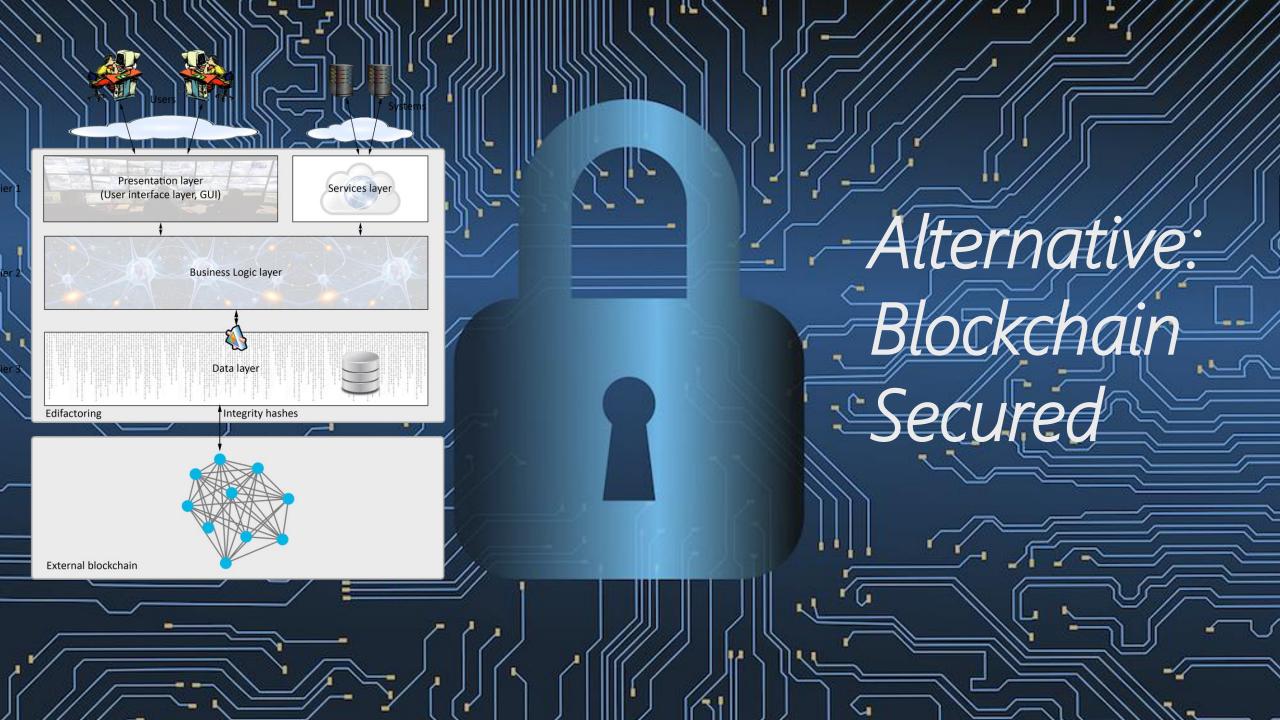
Peter MulroySecretary General, FCI

Today: Edifactoring 2.0 | Uncoupled blockchain initiatives

Towards Blockchain -Ready **Factoring**



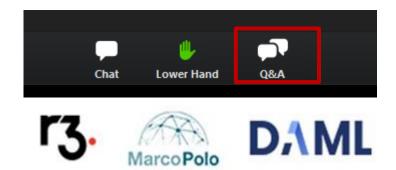






Q&A

Use the **Q&A** channel to ask your questions



ENTERPRISE BLOCKCHAINS LIVE 2020

Program Agenda



End of Conference- Closing remarks



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Virtual Conference May 20, 2020 3:00 p.m. CET | 9:00 a.m. ET

Register Now

101 Blockchains

2020 EDITORIAL CALENDAR

April

May

Jun

Enterprise Blockchains Live 2020

Women in Enterprise Blockchains

Trade Finance
Blockchain World

July

August

September

Enterprise Blockchains Strategy & Management

Supply Chains

Financial Services

October

November

December

Blockchain as a Service

Government Programs

Looking into 2021





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