Panel II: Technology-Driven Transformation Changing Business Models and Global Trade

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Digital Supply Chain Defined

A Digital Supply Chain (DSC) is a customer-centric platform model that captures and maximizes utilization of real-time data coming from a variety of sources. It enables demand stimulation, matching, sensing, and management to optimize performance and minimize risk.
CEO Mandate: Executing the Digital Supply Chain Framework

- Managing Demand
- Managing People
- Managing Technology
- Managing Risk
5 Management Insights
Operationalizing Big Data and AI

• Algorithms are the “refineries” of big data
• Potential for algorithms to reshape business is high. Markets will be won by companies that create and use algorithms.
• The management of algorithms is the missing element, especially across the enterprise
• The “Algorithm Council” is the new management best practice and includes sales/marketing, IS, finance, HR and supply chain leadership.
• “Data Trading” and Blockchain will be prominent parts of supply chain T&Cs, internal and external to the enterprise
The Global Supply Chain Community
Representing over $1.8 Trillion USD in Revenue and over 6 Million Employees

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We have developed a comprehensive DSCI Data Trading Framework that outlines a process you can follow to unlock the value of data sharing with your value chain partners.

The DSCI data trading framework is a way for you to strategically identify and value the data you need and gauge the value of what you are willing to give in exchange.

DSCI data trading framework consists of three stages needed for optimizing your data trading:

- Prepare
- Negotiate
- Monitor Governance
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DSCI Global Executive Leadership Forums

1st Forum:
Hong Kong, China
March 22-23, 2017
- DSC introduction
- “Frontside Flip” insights
- Group meetings

2nd Forum:
Zurich, Switzerland
June 28-29, 2017
- Blockchain & the Digital Supply Chain
- Performance metrics/scorecard
- Applying “A Frontside Flip”
- Success cases
- Group meetings

3rd Forum:
Baltimore, US
October 12-13, 2017
- Bigdata, AI & the Digital Supply Chain
- People and metrics
- Success cases
- Group meetings

4th Forum:
Santiago, Chile
May 7-8, 2018
- AI / Machine Learning
- Results study exposition
- Success cases
- Group meetings

5th Forum:
Walldorf, Germany
October 4-5, 2018
- Publishing new research results
- Performance metrics/scorecard
- Applying “A Frontside Flip”
- Success cases
- Group meetings

6th Forum:
Santiago, Chile
Mar 12-13, 2018
- Algorithm 2.0
- Executive education program
- Catalyst program
- Success cases
- Group meetings

7th Forum:
Belgrade, Serbia
September 19-20, 2019

8th Forum:
Dallas, Texas
October 29-30, 2019
Algorithm Council

What it is:
• A center for excellence about algorithms and their use in boosting business performance
• A safe zone for experimentation
• A group of C-level functional company leaders
• An opportunity to include key customers and suppliers

What it does:
• Identifies priorities and issues from a cross-functional view
• Identifies the right metrics and decision-making processes
• Identifies the data needed for the algorithms
• Educates individuals and the company about the hype and the risk of the algorithm
• Sets parameters upon where to apply AI/ML and what algorithms and training data sets are appropriate
• Agrees on integrated activities to enhance business performance with AI/ML
Algorithms that can be used by other departments (EFV)
Investments in Blockchain

- $945 million in 2017
- $2.1 billion in 2018

1. Cross Border Payments
2. Provenance
3. Finance & post-trade/transaction settlements

11.7 billion in 2022

Source: idc.com

Market Location

- USA: 29%
- UK: 17%
- Singapore: 8%
- Switzerland: 4%
- Unknown: 4%
- Other: 38%

Source: crunchbase.com
Blockchain and GDPR can work together!

- Use a private, permissioned Blockchain
- Avoid, if possible, the storing of personal data on the Blockchain.
- Establish a detailed governance framework
- Employ innovative solutions to data protection problems (advanced irreversible encryption)
Customer and Algorithm Council Driven Data Model