



UNIVERSITY OF
SOUTH DAKOTA
BEACOM SCHOOL OF BUSINESS

Understanding the Supply Chain

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2022 GOED Conference

What is Supply Chain Management?

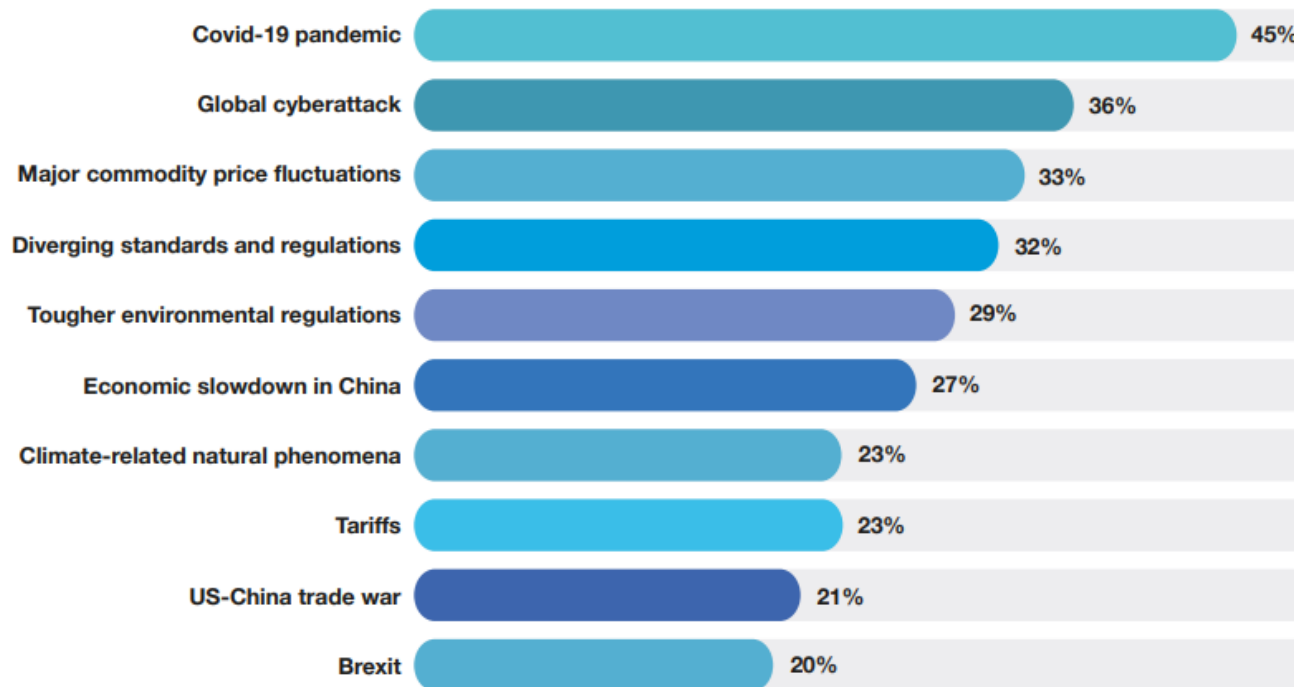
- SCM is the handling of the entire production flow of a good or service
- The goal of SCM is **to maximize quality, delivery, customer experience, and profitability**

Why Supply Chain Management?

- Nearly 8 out of 10 companies with high-performing supply chains create revenue growth that's well above industry average
- Only 8% of organizations with more limited supply chain capabilities manage to do the same.

Crises That Impact Supply Chain Management Development:

Figure 1. Factors that have had a significant disruptive impact on supply chain operations over the past three years (% of respondents)



Source: The Economist Intelligence

Recent Headlines Related to Supply Chain Management (WSJ, Bloomberg)

Forget Finance. Supply-Chain Management Is the Pandemic Era's Must-Have MBA Degree

Investors Pile Into Supply-Chain Technology

Robotic Arms Are Using Machine Learning to Reach Deeper Into Distribution

Apple's Supply Chain Is Its Strongest Link

Sorry, the Global Supply Chain Ate My Homework

Costco Shareholder Vote Signals Focus on Supply-Chain Emissions

War in Ukraine Hits Global Food Supplies

Recent Headlines Continued:

Shipping Firm Maersk Expects Supply-Chain Snarls to Ease This Year

Supply-Chain Mess Threatens Holiday Sales

Supply-Chain Startup Gets Funding Boost

Shanghai Factory Closures Mount as Covid-19 Lockdowns Hit Supply Chains

How Sanctions on Russia, War in Ukraine and Covid in China Are Transforming Global Supply Chains

GE's Sales Decline 3%, Hit by Supply-Chain Woes

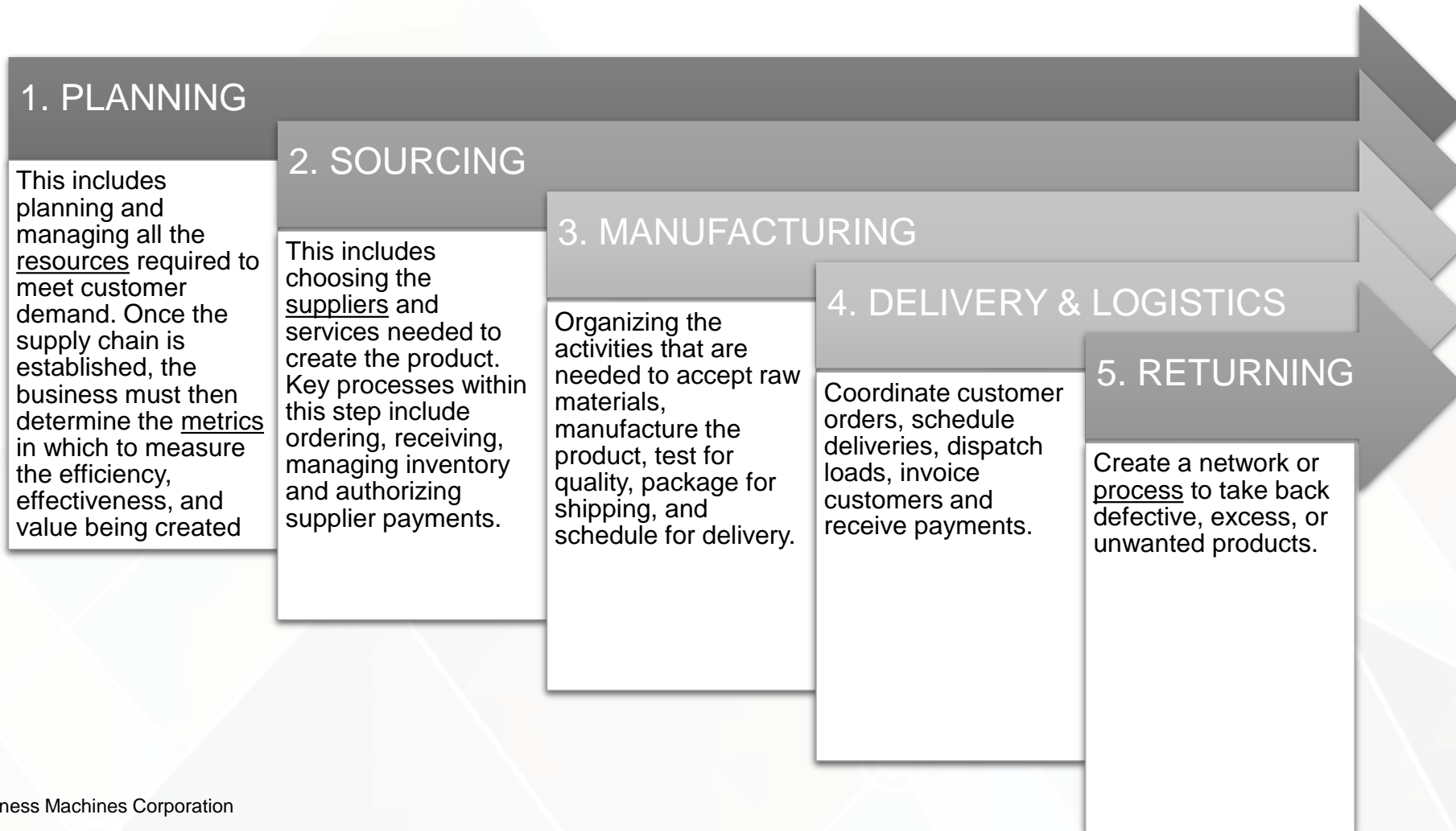
Tech Pushes for Supply Chains to Be Less Global and More Local

Amazon Profit Shows Resilience Despite Labor, Supply Crunch

Examples of Leaders in SCM

- Apple
- Amazon
- McDonald's
- P&G
- Unilever
- Cisco Systems
- Walmart
- Johnson & Johnson

How does Supply Chain Management Work?

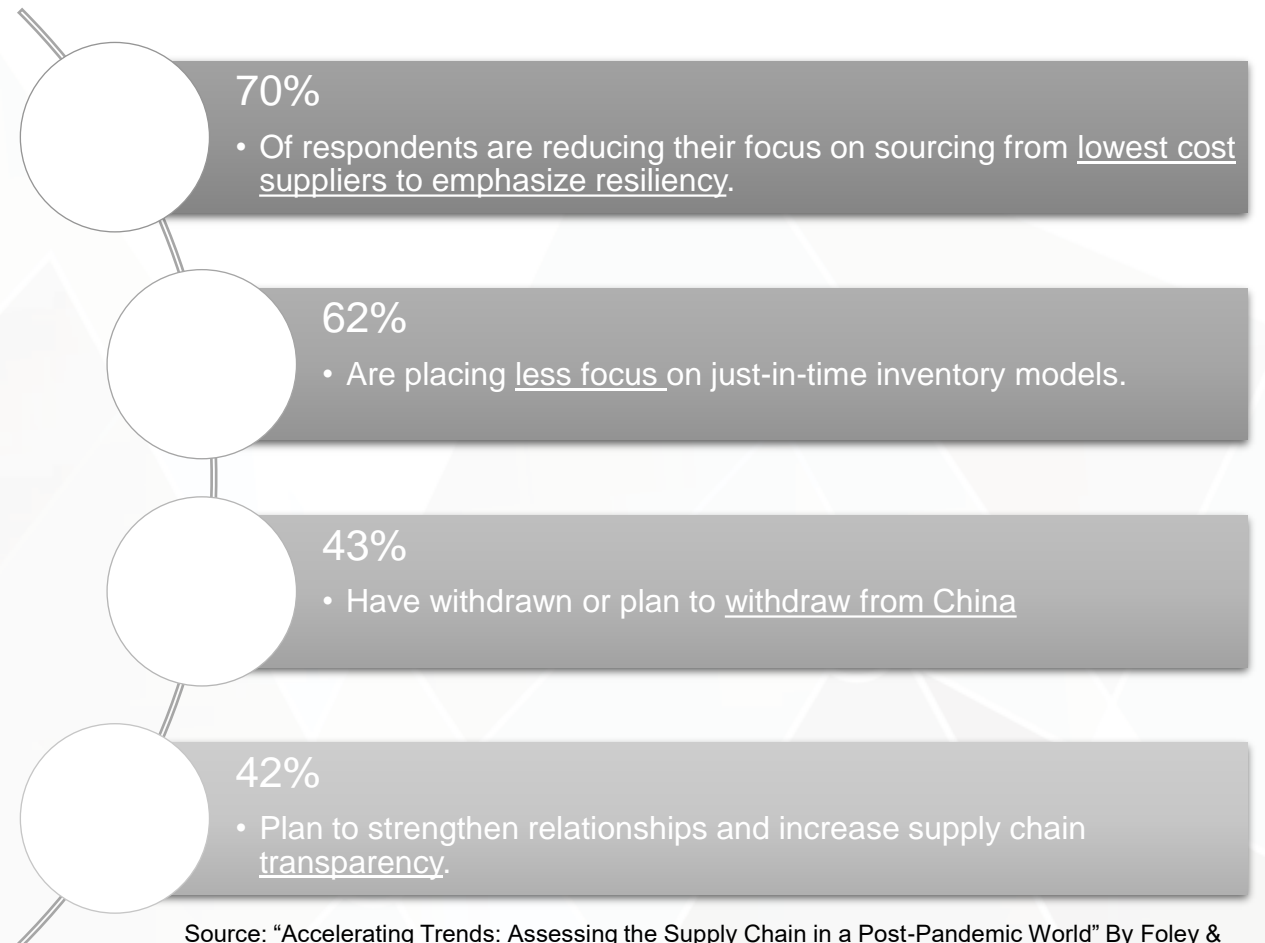


Source: International Business Machines Corporation

The Global Supply Chain of the Future



Manufacturing company executives are re-examining their global supply chain strategies, according to a 2020 survey conducted by the law firm Foley & Lardner. The survey uncovered the following strategy shifts:



Source: "Accelerating Trends: Assessing the Supply Chain in a Post-Pandemic World" By Foley & Lardner, LLP

Emerging Technologies in Supply Chain Management

Benefits of SCM technologies:

- Real-time monitoring and tracking
- Reduced costs from errors and inefficiencies
- Integration of smartphones and GPS devices for wireless and portable supply chain technologies
- Flexibility for logistics managers
- Reduces or eliminates disruptions in the supply chain
- Improved customer experience and happiness

SCM Technologies--Examples

- Advanced Weighing
- Analytics
- AI and Machine Learning
- Cloud technology
- RFID
- Shipping Management Software

Supply Chain Management at USD

Workforce Needs of SD

AGRICULTURE	MANUFACTURING	SERVICE	HEALTHCARE
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Launch Date



Center for Excellence in SCM

- Train current industry professionals in South Dakota and the region

SD Board of Regents recently approved a new major in SCM, starting August 2022

Thank You!



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