



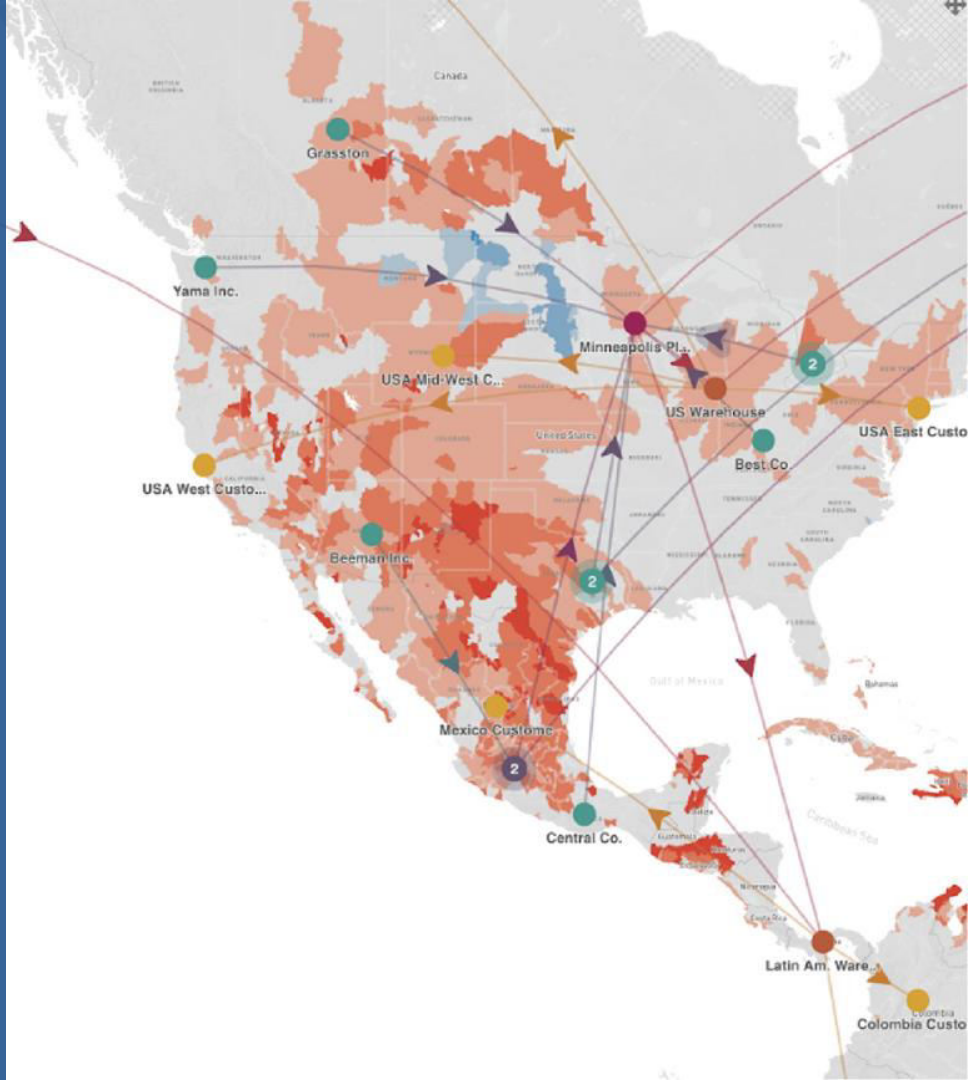
Sourcemap

Global Pharma Supply Chain &
Logistics Innovation Forum

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About Sourcemap

- NYC-based, MIT-founded
- 95 Full-time employees in US and EU
- 750,000+ businesses mapped
- Support for UFLPA, C-TPAT, EU Due Diligence, Content Claims Certification and more
- Track record of raw material mapping in Food & Ag, Apparel & Footwear, Home Goods, Chemicals, Pharmaceuticals, Automotive, Consumer Electronics and more



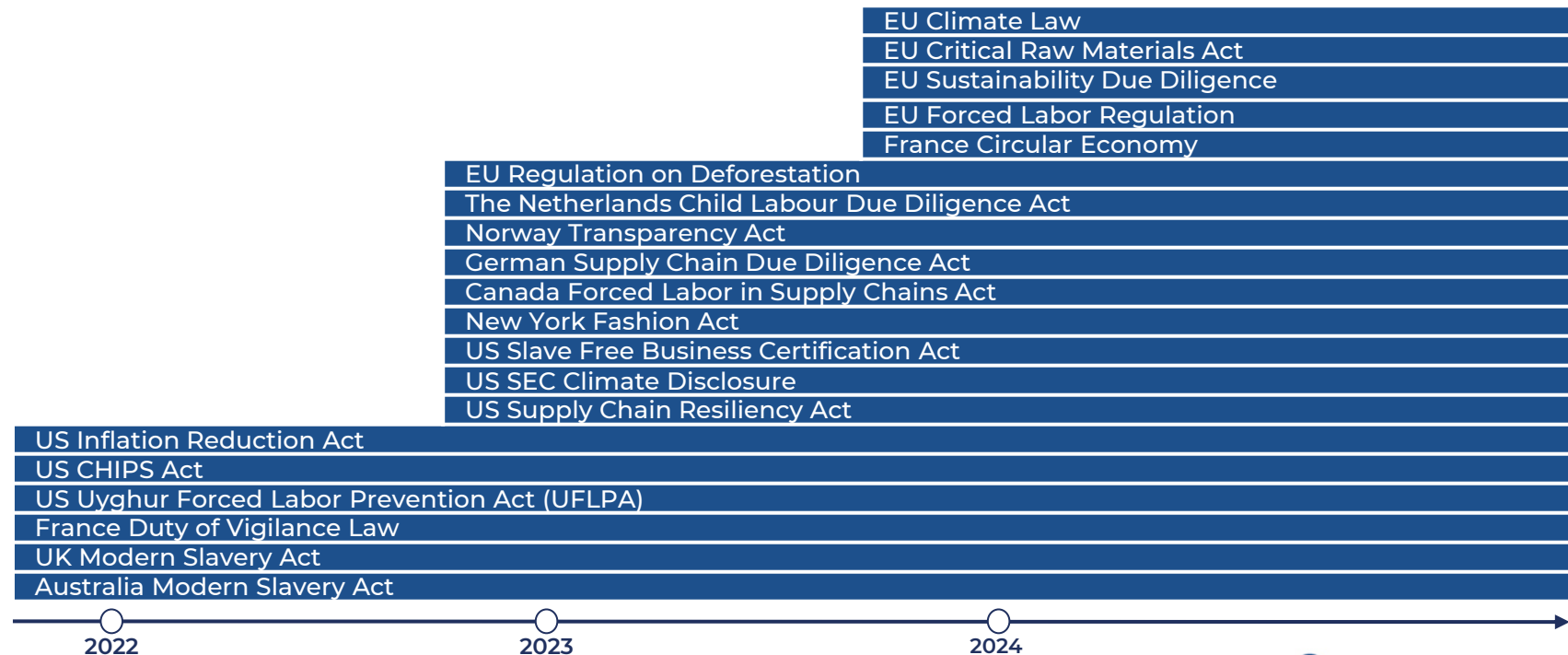
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Global Legislation

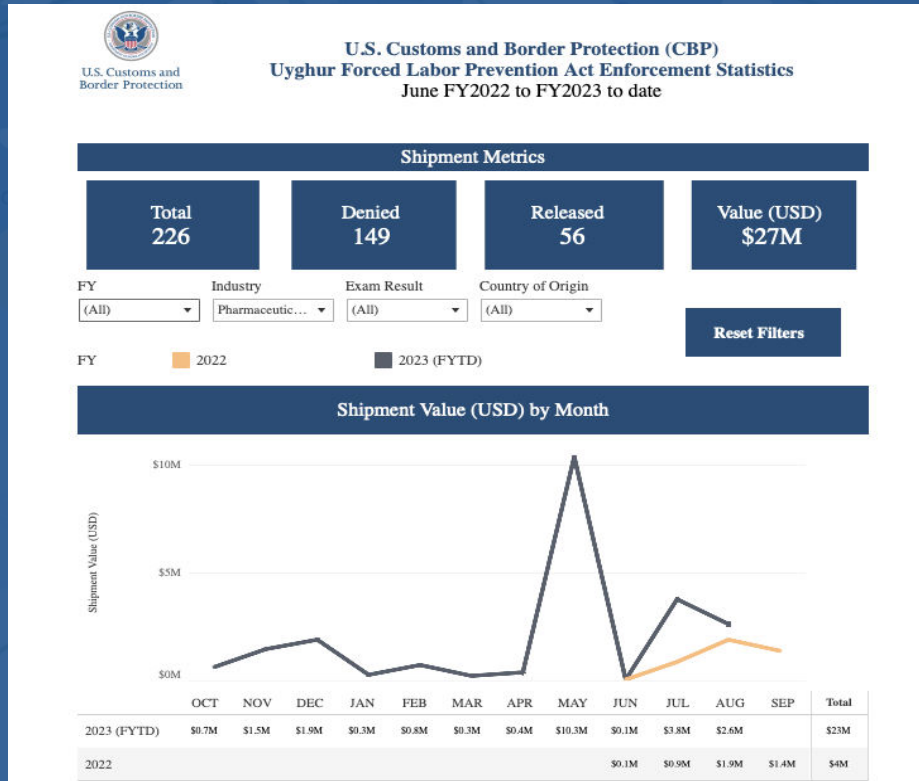
Increased demand for end-to-end visibility



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US Uyghur Forced Labor Prevention Act

Pharmaceutical, Health & Chemical Statistics



65% of shipments that have been examined by CBP related to the UFLPA regulation have been denied

Shipments valued at over 27M

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Supply Chain Mapping Maturity

Based on a survey of 850 pipeline customers

Food & Ag



Apparel & Footwear



Life Sciences



Automotive



Semiconductors



Energy & Renewables



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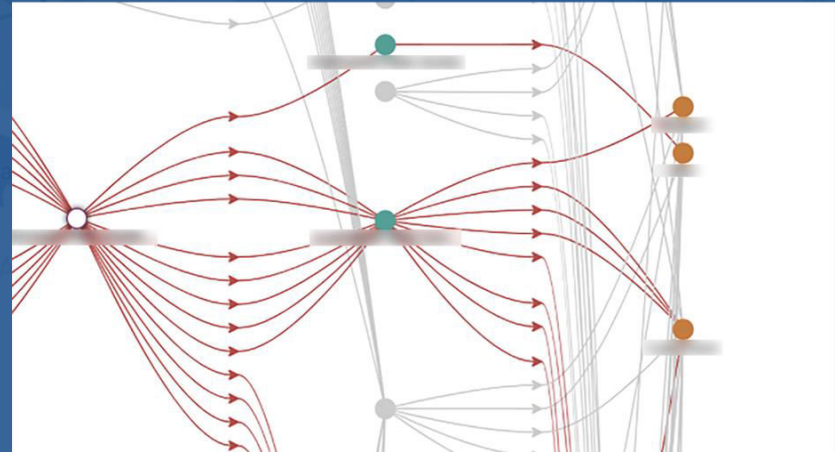
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Case Study: Resilient Supply Chains

End-to-end supply chain mapping critical to anticipating disruptions and shortening response times

Audits of ERP Data from 20 Fortune 500 companies show:

- 80% of Tier-1 Address data is incorrect
- 40-60% redundancy in Tier-2 suppliers
- Sole sourcing above 50%
- Time-to-Recover / Stock-out times in excess of 30 days



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A world map with a blue background, overlaid with a network of grey lines and arrows representing global connections. Several regions are highlighted in darker shades of blue: the United Kingdom, Morocco, Algeria, Libya, Egypt, Saudi Arabia, Yemen, Ethiopia, Kenya, Tanzania, and parts of Southeast Asia including the Philippines, Indonesia, and Malaysia. Numbered red circles (2, 3, 4, 6, 8, 9, 11, 17, 31) are placed at various nodes of the network. A green star is located in Eastern Europe. The text "IGO" is positioned near the highlighted region of North Africa, and "Nousou COMMODITIES PVT LTD" is located near India. The title "Strategy to Resilience" is centered in large white font.

Strategy to Resilience

Strategy

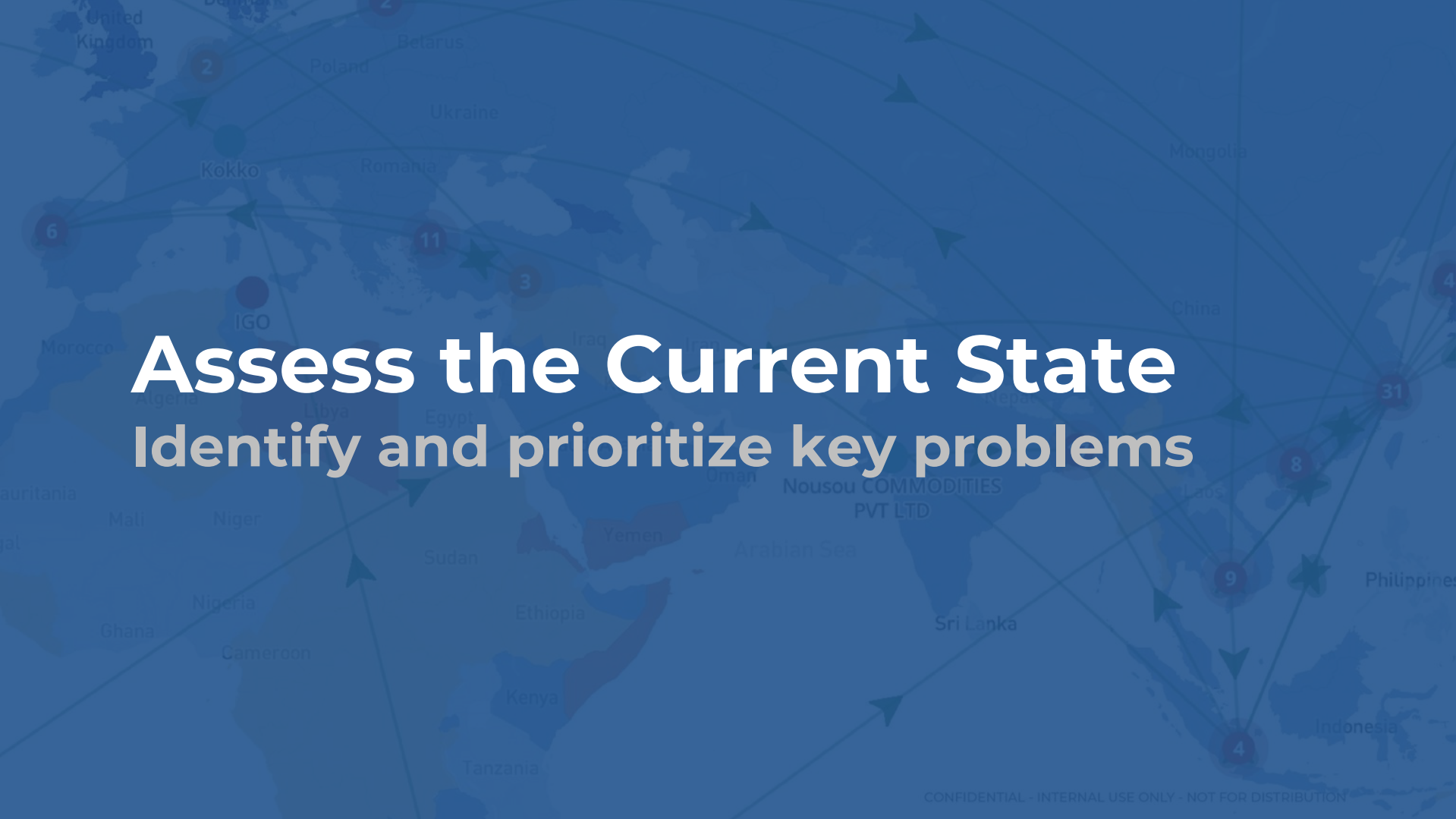
A multi-phased approach is required

The key is to design a comprehensive supply chain resiliency program that utilizes both offensive and defensive strategies, in order to create a tightly integrated end-to-end system. Creating such a comprehensive solution requires a multi-phased approach:

- **Assess:** The current state including brand/supply vulnerabilities and needs
- **Map:** By implementing the appropriate technology and process solutions
- **Monitor:** Your supply chain for successes, risks and emerging disruptions



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Assess the Current State

Identify and prioritize key problems

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How to assess the current state of risk



History

Have you ever mapped the product flow to determine where the materials for your finished goods come from?

Pricing Knowledge

What is the average cost on this product?
Product Characteristics – What attributes and meta data are associated with the product?

Manufacturing and Packaging Process

Is any part of the finished goods manufacturing done through a third party or contract manufacturer?

Locations and Channels

What physical channels are the products sold through?

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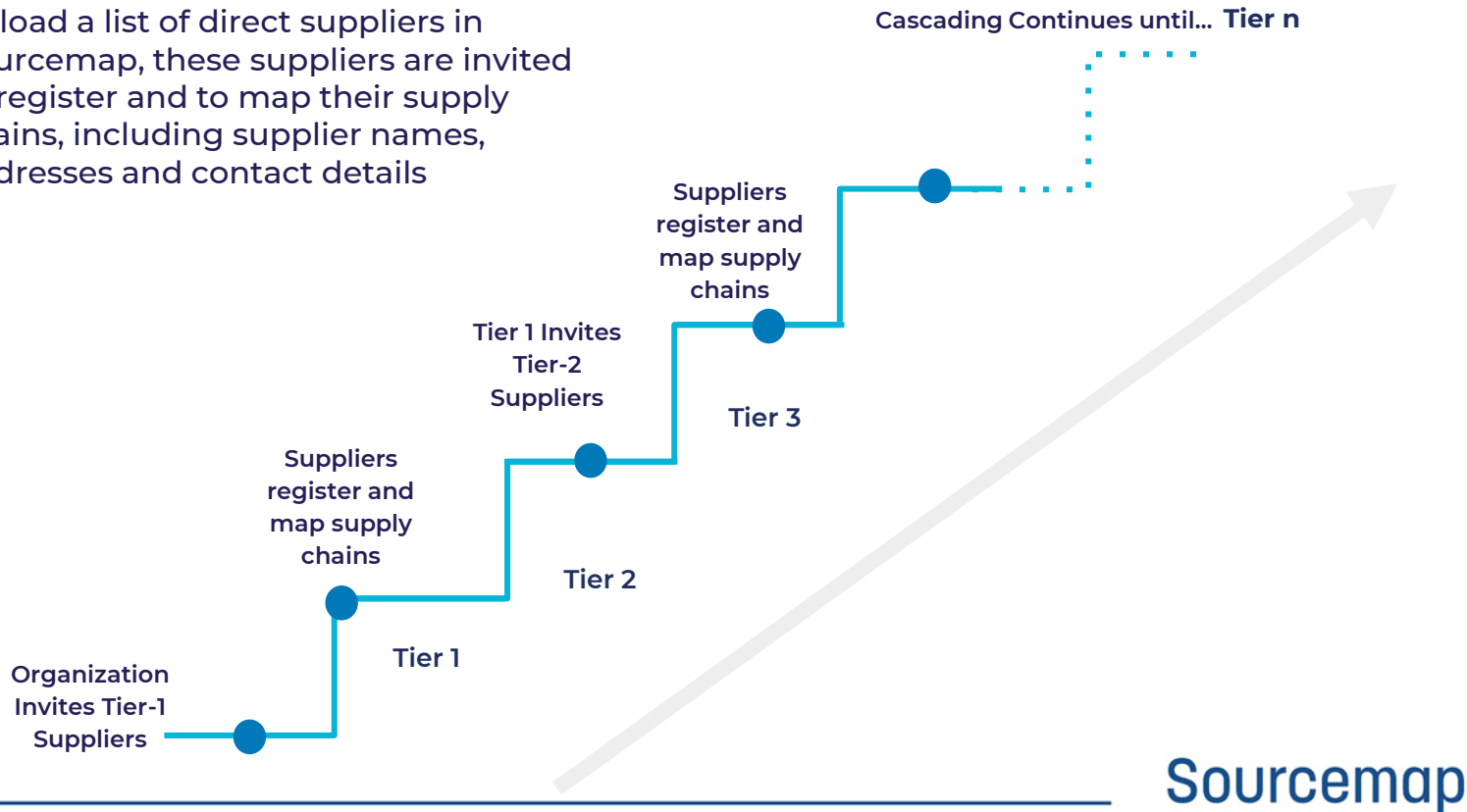
A world map with a blue background, overlaid with a network of white lines and arrows representing a supply chain. The map includes labels for various countries and regions, such as United Kingdom, Poland, Ukraine, Romania, Morocco, Algeria, Libya, Egypt, Sudan, Ethiopia, Kenya, Tanzania, Nigeria, Cameroon, Ghana, Oman, Yemen, Saudi Arabia, China, Mongolia, Nepal, Laos, Philippines, Indonesia, Sri Lanka, and Arab Sea. There are also labels for 'IGO' and 'Nousou COMMODITIES PVT LTD'. Several nodes in the network are marked with red circles containing numbers: 2, 6, 11, 3, 4, 8, 9, 31, and 4. A green star is located near the node labeled 11.

Map your Supply Chain

Roll-out a comprehensive solution to address your needs

SUPPLY CHAIN MAPPING: HOW IT WORKS

Upload a list of direct suppliers in Sourcemap, these suppliers are invited to register and to map their supply chains, including supplier names, addresses and contact details



Supply Chain Mapping

A secure supplier portal quickly identifies vendors and sites across any number of tiers

"[Companies should] provide supply chain maps that specify the locations of manufacturers, factories, farms [and] processing centers"

— US CBP FORCED LABOR DIVISION

Supplier Discovery

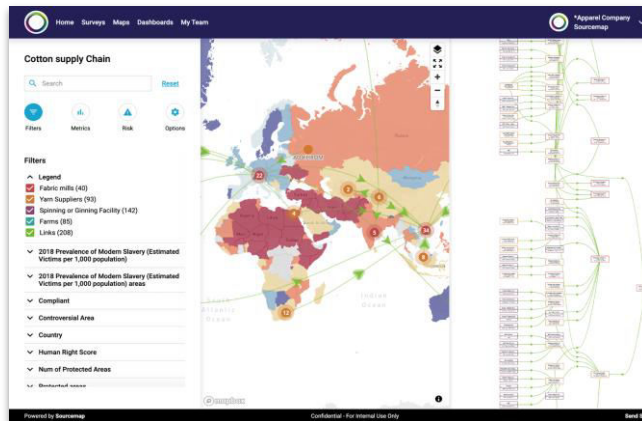
Sourcemap will invite every applicable tier-1 trading partner to disclose tier-2,3, etc. and automatically cascade to sub-suppliers to collect the data for a comprehensive supply chain map

Data visualization

Award-winning visualizations and dashboards make it easy to see where the supply chain is at risk

Comprehensive Reporting

Data can be easily filtered to report on suppliers by tier, location, supplier production, facility type, supplier engagement status etc. All data exportable via CSV.



ACTUAL SOURCEMAP SOFTWARE SCREENSHOT

Sourcemap

A world map with a blue background, overlaid with a network of white lines and arrows. The map shows various countries and regions, with some highlighted in darker shades of blue. Numbers are placed in small circles at various locations: 2 in the UK, 6 in France, 11 in Germany, 3 in Poland, 4 in China, 31 in Japan, 8 in South Korea, 9 in India, 4 in Indonesia, and 4 in the Philippines. A green star is located in the Middle East, near the Arabian Sea. The text "IGQ" is visible near the UK, and "Nousou COMMODITIES PVT LTD" is visible near India. The title "Continuously Monitor Continuous monitoring, reporting and evaluation" is centered on the map.

Continuously Monitor

Continuous monitoring, reporting and evaluation

Continuous Monitoring

Keeping continuous watch over your supply chain

Supply chain mapping is becoming continuous:

- Keep your extended supplier database up-to-date
- Supply chain updates by suppliers triggers notifications and data reconciliation
- Supply chain map is continuously updated

What this enables:

- Always-on compliance monitoring (sanctions, etc.)
- Aggregate risk assessment based on every new supplier
- Receive real time flags of adverse events and material changes in risk profile

Why it matters:

- Disruption risk is real-time
- Extended supply chain map has 5-8x more suppliers than ERP
- Quality, anti-counterfeiting all built on an up-to-date supply chain map

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In-House Supplier Watchlist Monitoring

Sourcemap's monitoring solutions enable customers to maintain real-time oversight on exposure to high-risk entities in their extended supply chains that could impact reputation and compliance.

Sourcemap provides a monitoring service to cross reference discovered vendors, and the various permutations of their names, in your supply chain against multiple named entity lists, including:

- **U.S. Bureau of Industry and Security (BIS) Export Administration Regulations Entity List**
- **U.S. Customs and Border Patrol (CBP) Withhold Release Orders (WRO)**
- **UFLPA Entity List**
- **U.S. Department of the Treasury – Office of Foreign Assets Control**
- **Federal Register - The Daily Journal of the United States Government**
- **Various academic Publications, Reports and publicly registered business entities**
- **Legal Counsel Intel specializing in forced labor**



Sourcemap's policy and analyst teams continuously monitor, update and maintain these compiled lists via national and global media reports, and notify customers of any potential matches. Reports delivered on a bi-weekly cadence.

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Disruption Monitoring

Powering rapid response and resilience

Suppliers, facilities and airports: Auto-curated news and social mentions about suppliers, facilities, airports, ports in your supplier network

Macro Events: Coverage of content for macro risk topics - such as geopolitical events, trade tensions, labor issues - that may impact your business

Supplier driven notification for internal disruptions
Insight into anticipated disruption of a supplier node or segment

Structural risks / opportunities Supplier concentration (geographic, single or limited supplier) and criticality (i.e. dependency on suppliers for critical material)

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CRITICAL NEWS

Locations

Daily Star — Simon Hamaljenko, May 1, 2023

Paris cops set on fire as a reported 2.3m protesters turn up for demonstrations in France

"...Labour rights are celebrated across the globe on May 1 and campaigners marked the day by hitting the streets demanding higher salaries, reduced working hours and better working conditions. Around a million marched across France as part of the protest with 500,000 pouring onto the streets of Paris. A police spokesman said: 'There has been widespread disorder across the city, with more than 55 arrests.'..."

Significance: High

Ports

Irish Independent — Laura Lynott, May 1, 2023

'We've lost thousands of euro' - passengers at Dublin Airport hit by flight cancellations over French air traffic strike

FEED

Medium Strategic Dev.: M & A

Sartorius upscales gene therapy prowess with \$2.6bn P
...Sartorius, through its French listed sub-group Sartorius Stedim Biotech Polyplus for €2.4bn (\$2.6bn). The deal will see Polyplus join the Germs the latter to leverage expertise in transfection reagents and plasmid DI

High Industrial accident: Accident; Operational Stress: Interruption

Bird strike causes sudden commotion at Delhi airport, l
declaration - What happened to the Dubai-bound cargo |
...The airport declared a full emergency and allowed the plane to land. and after the completion of all security measures, the flight departed as flights are not unusual, but they pose a major risk and require immediate

High Financial stress: Restructuring, Site closure

Thermo Fisher To Close Princeton Site, Layoff 113 Empl
...Thermo Fisher Scientific will be closing its Princeton site later this year the company confirmed...

Medium Strategic Dev.: Expansion Activity, Innovation

New PLA paves way for Long Beach/Los Angeles port i
...The Port of Long Beach and the Los Angeles/Orange Counties Biltmore finalized a new Project Labour Agreement, or PLA, that ensures large projects be built by skilled workers without any stoppages, strikes or lockouts.

High Natural disaster: Severe weather

22 flights diverted due to bad weather in Delhi
...Nearly 22 flights were diverted from Indira Gandhi International Airport weather conditions on Thursday, according to airport authorities...

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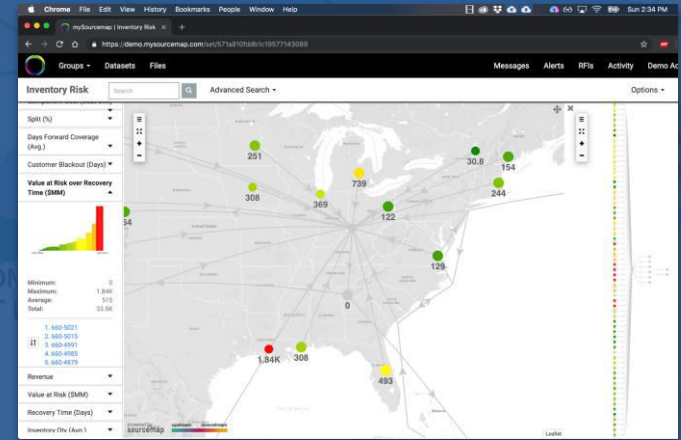
CASE STUDY

Business Continuity Planning

Problem: A biotech manufacturer's needed a comprehensive business continuity planning to ensure no interruption in their upstream supply chain.

Approach: Invite T1 raw material suppliers and identify T2 and T3 suppliers as well response time, BCP in place to measure the cost of business continuity risk based on sole-sourcing, risk of inventory shortage of supplied materials.

Outcome: Bolstered inventory of low-cost components that were identified as critical to business continuity, identified alternate suppliers for at-risk sole-sourced components, and reduced exposure for \$500M+ in the product catalog.



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Keys to Supply Chain Resiliency

1

ASSESS

Understand the current state of your supply chain and potential vulnerabilities

2

DISCOVER

Conduct upstream supply chain mapping for high-risk products, materials and components via scalable technology and services

3

MONITOR

Continuously monitor and flag discovered suppliers against forced labor entities lists and high-risk locations to de-risk supply chains

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THANK YOU



For more information

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