

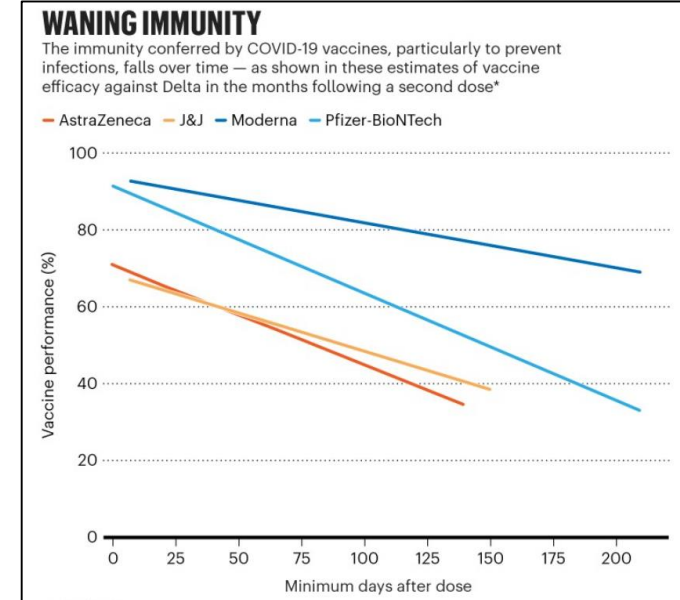


# OEM: Weekly SITREP

January 11, 2022

# USA & WORLD

- 2021 was a deadly year for weather: [20 disasters](#) killed more than 600.
- Closures, pivots to virtual mount as Omicron [overwhelms schools](#).
- [24%](#) of US hospitals are reporting a "critical staffing shortage."
- Polish leader admits country bought powerful Israeli [spyware](#).
- U.S. Cyber Command executes "[first offensive cyber effect operation](#)."
- Higher Education [Outlook](#) 2022.
- '[Flurona](#)' has hit the U.S. Here's what it is and what it means.
- CDC [Updates](#): Isolation and quarantine periods.
- The era of [flexible work](#) in Higher Education.
- Covid locked down city thrown into chaos after [tracing app](#) crash.
- How much more can [healthcare workers](#) take?
- What should companies do to fight [burnout](#)?
- WHO [official](#) weighs in on Covid, vaccines, & mistakes made.
- DHS taps [universities](#) to combat terrorist attacks on soft targets.
- FEMA: New Wildland Fire Mitigation and Management [Commission](#).
- U.S. has the [most data breach victims](#) in the world.
- Business continuity, risk management, and resilience [predictions](#) 2022.
- Kazakhstan unrest: Internet [cut](#) amid fuel protests.
- Chinese company [attacks US researchers](#) for exposing its role in spying.
- Chinese national pleads [guilty](#) to economic espionage conspiracy.



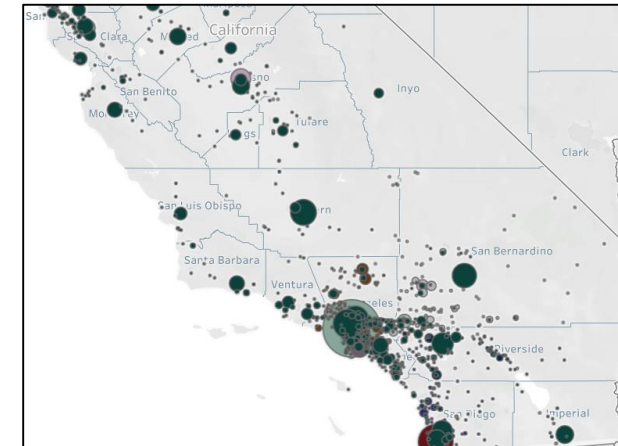
## Vaccines lose their [potency](#) over time

- Research suggests that protection against the SARS-CoV-2 virus slides over time even in people who have experienced both SARS-CoV-2 infection and had vaccines against it.
- Scientists are now racing to learn how much Omicron eludes immunity conferred by infection or vaccination.
- It is too early to know what impact the new variant on the block – Omicron – will have.
- Scientists have identified many Omicron mutations as potentially impacting COVID transmissibility, severity, or vaccine evasion.
- Actual data to date is very limited.

# CALIFORNIA

- Grass Valley announces extensive [data breach](#) involving police department.
- Quick glance at the governor's proposed [2022 California budget](#).
- Newsom: [\\$2.7 billion](#) COVID-19 emergency response package.
- UC [Underground Scholars](#) program supports the system-impacted.
- Hospitals allow COVID-[positive](#) employees to work.
- Newsom E.O. extending [AB 361](#) & remote work flexibility.
- [Maps](#): See how drought conditions improved in December.
- State struggling [to staff hospitals and classrooms](#) amid COVID spike.
- \$5.65 a gallon for gas in California? It [could happen](#) in 2022.
- [Study](#) finds working conditions lead to an increased risk of COVID.
- Senate Bill [No. 306](#): at-home [tests](#) for sexually transmitted infections.
- [CalScope](#): study to determine who carries [antibodies](#) against Covid.
- State sees highest COVID [case & test positivity rates](#) ever.
- Omicron: Newsom [says](#) shutting schools should be a last resort.
- Part-time professors [deserve the opportunity](#) for full-time work.
- Several [police-reform bills](#) are set to take effect in 2022.
- Lawmakers have some [unfinished business](#) to start 2022.
- California adds [twist](#) to new CDC advice on quarantines.
- Memories, lessons from California's [historic floods](#) of '97.
- How California's [workplace laws](#) will change in 2022.

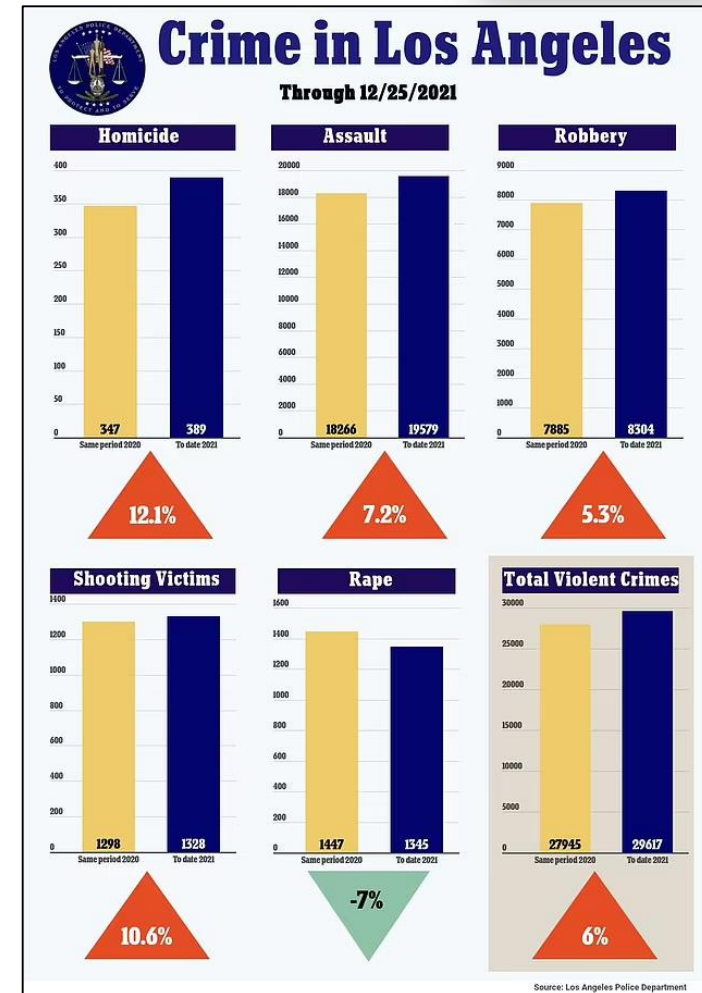
New interactive [map](#) from the California Racial and Identity Profiling Advisory Board analyzes pedestrian and vehicle stops.



	CALIFORNIA HIGHWAY PATROL
	FRESNO POLICE DEPARTMENT
	LONG BEACH POLICE DEPARTMENT
	LOS ANGELES COUNTY SHERIFF'S DEPARTMENT...
	LOS ANGELES POLICE DEPARTMENT
	OAKLAND POLICE DEPARTMENT
	ORANGE COUNTY SHERIFF'S DEPARTMENT
	RIVERSIDE COUNTY SHERIFF'S DEPARTMENT
	SACRAMENTO COUNTY SHERIFF'S DEPARTMENT...
	SACRAMENTO POLICE DEPARTMENT
	SAN BERNARDINO COUNTY SHERIFF'S DEPARTMENT...
	SAN DIEGO COUNTY SHERIFF'S DEPARTMENT
	SAN DIEGO POLICE DEPARTMENT
	SAN FRANCISCO POLICE DEPARTMENT
	SAN JOSE POLICE DEPARTMENT

# REGION

- Wind [advisory](#) for SoCal: gusty winds and warming temperatures.
- American Film Institute hires [UCR grad](#) as CAO.
- Plane hit by train after it [crashes](#) in LA neighborhood.
- SD County warns of [fake](#) COVID-19 testing sites.
- San Diegans [urged to not go](#) to ED's for COVID-19 testing.
- Super Bowl [LVI 2022](#): Officials say COVID won't stop game at SoFi.
- UCI fires [scholar](#) for refusing vaccine.
- UCSD disaffiliates itself from [Dr Saiba Varma](#) over publication.
- Water District to receive [\\$1.7 million](#) to construct treatment system.
- RivCo FD dispatched to almost [200,000 incidents](#) in 2021.
- Most of SoCal out of '[extreme](#)' drought.
- RivCo [Sheriff Deputy](#) shoots, kills man with rifle.
- Insurer gets hit with [\\$155 million jury verdict](#) for retaliation.
- "[LA Secure](#)" Mobile Phone App: Enhances [Cybersecurity](#) for residents.
- Engineer pleads [guilty](#) to terrorism charge targeting USNS Mercy.
- Former SoCal resident pleads [guilty](#) to funding ISIS terrorist activities.
- Palm Springs: [Covid variants](#) in wastewater noted as significant.



LAPD [data](#) shows violent crime rate up 54.2 percent over last year.

The County of Riverside Emergency Operations Center is currently activated to [Management Watch](#).

# COMMUNICATIONS

- **10 January:**
  - **Provost's Office Hours - Staff**
- **07 January:**
  - **Third AVC-CIO Candidate Vision Seminar – Tuesday, January 11<sup>th</sup>**
  - **Notice of Planned Power Shutdown Affecting IT Services**
  - **Extension of Remote Instruction**
- **06 January:**
  - **FitWell Programming – Virtual Fitness for Everyone**
- **05 January:**
  - **Second AVC-CIO Candidate Vision Seminar – Friday, January 7<sup>th</sup>**
- **04 January:**
  - **Workplace Health and Wellness January Webinar – Managing Debt**
- **03 January:**
  - **AVC DEI Search Update – Application Deadline Extended & Office Hour**
  - **Provost's Office Hours 2022**

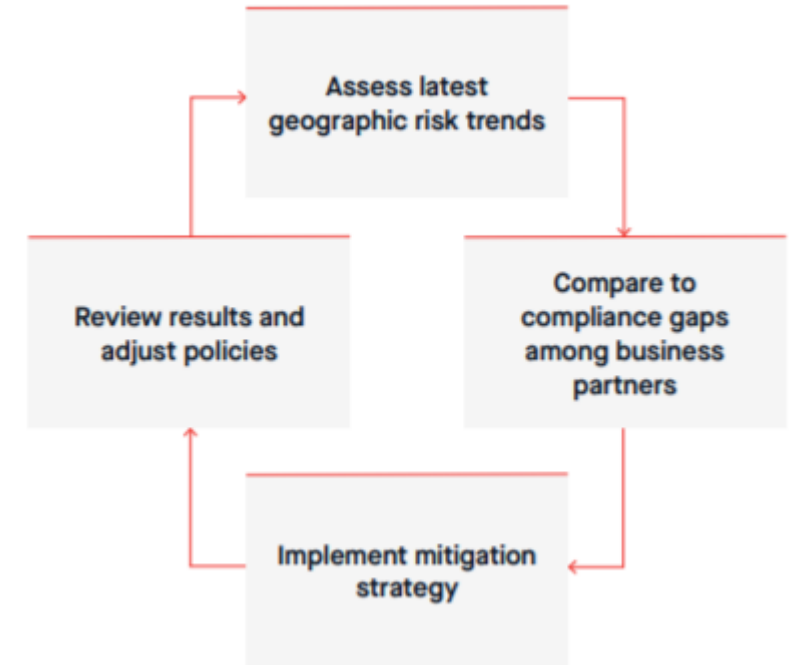
**Please Reference Notes Section For More Information**

# NOTABLE

- [Online Radicalization Observed on a Spectrum](#)
- [UN: Impact of the COVID-19 pandemic on terrorism & countering violent extremism](#)
- [Overview of the Global Internet Forum to Counter Terrorism: 2017 - 2021](#)
- [Top 15 cybersecurity predictions for 2022](#)
- [Cyber Warfare: What To Expect in 2022](#)
- [The Future of Ransomware](#)
- [DEA: Operation Engage](#)
- [Threat Report on the Surveillance-for-Hire Industry](#)
- [China's Narrative War on Democracy](#)
- [Justice Department: \\$1.6 Billion to Reduce Violent Crime and Strengthen Communities](#)
- [New NOAA tool pinpoints natural disaster risk down to county level](#)
- [How a Scientology-linked cult's methodology was used to gamify Identity Politics](#)
- [San Bernardino City Unified School District: Daily Situation Summary](#)
- [How U.S. Universities Support China's Military-Industrial Complex](#)
- [2022-2026 FEMA Strategic Plan](#)
- [Economic applications in disaster research, mitigation, and planning](#)
- [DEA: Criminal drug networks are flooding the U.S. with deadly Fentanyl via Social Media](#)
- [New podcast series examines supply chain threats](#)
- [2021 Cyber Review: The Year Ransomware Disrupted Infrastructure](#)
- [The Extortion Economy Podcast: Exploring the Secret World of Ransomware](#)

# Supply Chain Disruption

- Average shipping delays skyrocketed over the past year and a half.
- Ships at the Port of Los Angeles, for example, stayed at berth for as long as 12 days.
- The 2018 average was 0.713 days.
- Sporadic disruptions to the global supply chain include:
  - Suez Canal blockage in late March
  - COVID-19 outbreaks in May in Shenzhen, China
  - Hurricane Ida in August in the US
  - Typhoon Chanthu in September in Guangdong, China
- These disruptions cumulatively caused the various delays of shipment volume seen arriving at infrequent times at facilities in California & stressed the ports of Los Angeles and Long Beach, which account for about one-third of US imports.

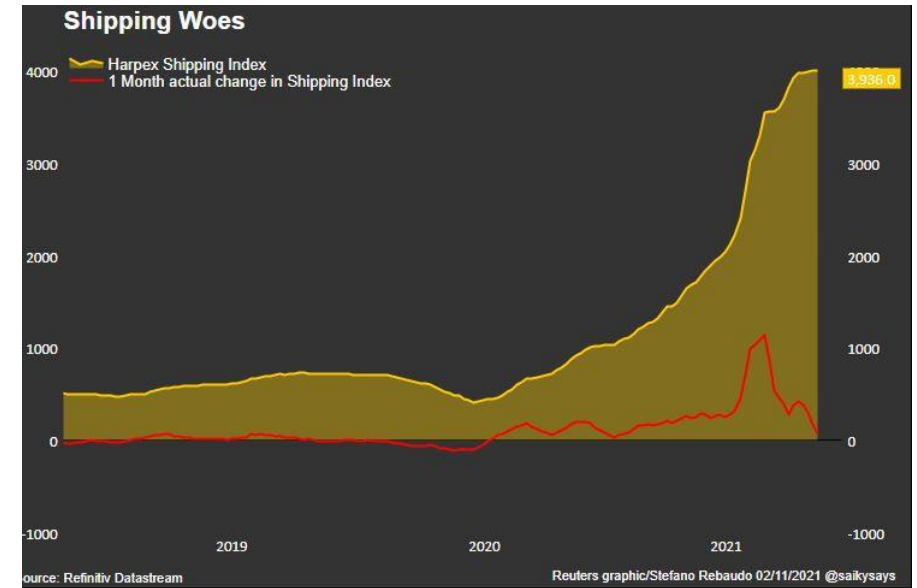


“It’s important to remember that the risk assessment process is a living, breathing thing – a supplier relationship is ever evolving and if you just take one look, you’re only ever going to get one snapshot in time.”

**Organizations need to reassess and look beyond traditional supply chain partners, methods and technologies.**

# Supply Chain: Is the worst over?

- **Some indicators are starting to signal that global supply chain stress may be on the wane.**
  - **Ships & Ports**
    - Port congestion has eased – backlog remains
    - BAU projection: May 2022
  - **Inventories**
    - Shortages to intensify at the end of 2021
    - Bottlenecks begin to clear by the first quarter of 2022
  - **Chip shortages**
    - Semiconductors outlook is murkier
    - May take two to three years for the market to normalize
  - **Covid**
    - Global management of Covid trending in the right direction making production disruptions less likely
    - However, if we fail to get a handle on the pandemic, we're going to end up having the same issues again and again



**The coming months will show if the snarl-ups portend a toxic scenario of stagflation for the world economy or are just a bump in the road to recovery.**



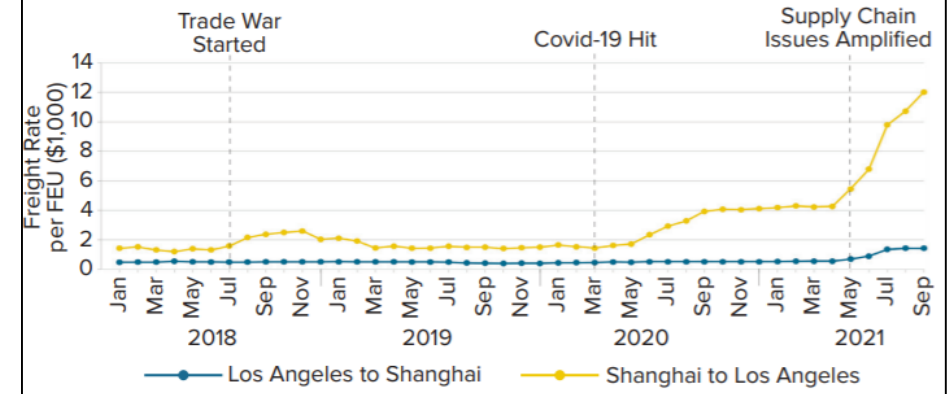
# Supply Chain Gridlock: CA Agriculture

## UCOP Report analyzes the effects of the 2021 supply chain gridlock and resulting shipping container shortage on California agriculture.

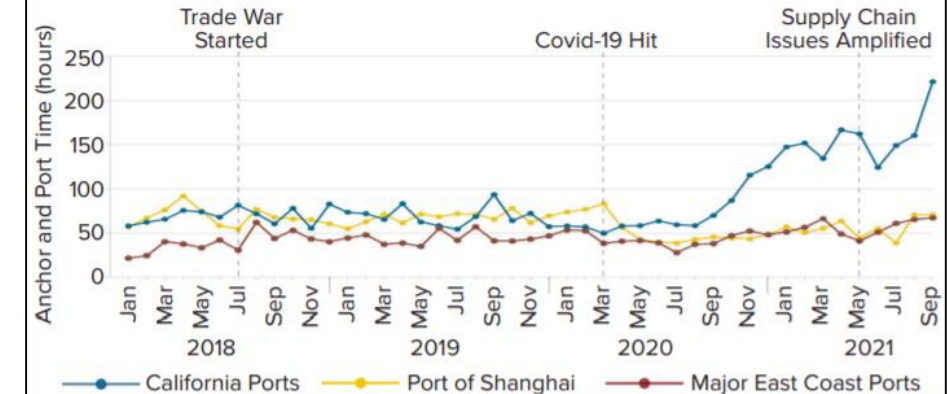
- Due to exporters' difficulty obtaining empty shipping containers, the value of California's containerized agricultural exports fell by an estimated \$2.1 billion, about 17%, from May to September 2021.
- Financial damages suffered by California agriculture from the supply chain disruptions exceed the industry's losses from the 2018 U.S.-China trade war.
- The lost farm exports mirror the fact that California ports are among the least efficient in the world.
- As a result, some importers now view California as an unreliable supplier of agricultural products due to inferior port infrastructure.
- Farmers bore the brunt of these losses, with tree nuts, wine, rice, and dairy products suffering significant economic damages.
- The competitiveness of California agriculture in the world market is now being threatened by inadequate transportation infrastructure.

Figure 1. Freight Rates and Port Congestion

Panel A. Freight Rate per Forty-Foot Equivalent Unit (FEU)



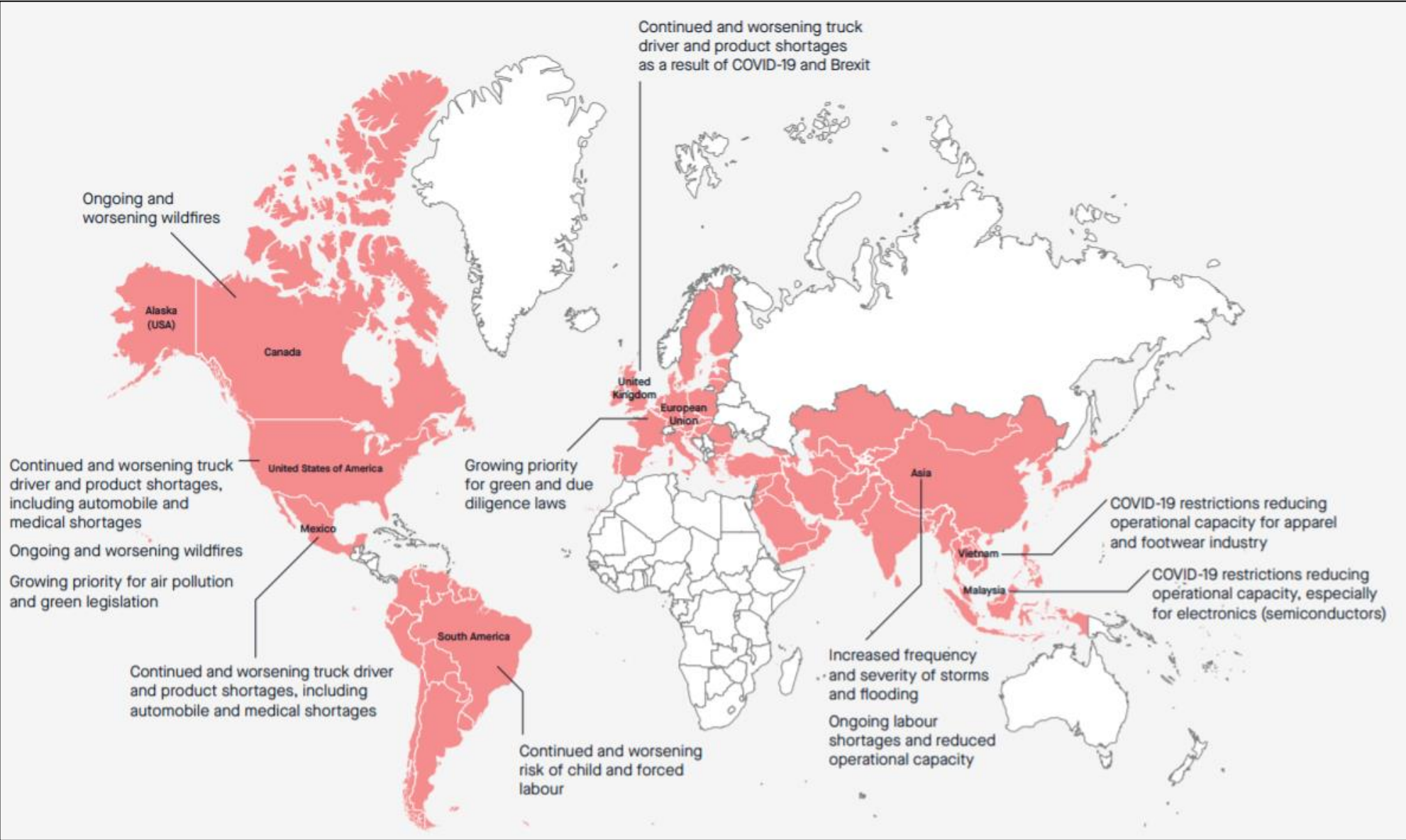
Panel B. Average Anchor and Port Time



Source: Freight rates come from the World Container Index (Bloomberg, 2021) and average anchor and port times were calculated from data provided by the Maritime Portal (IHS Markit, 2021).

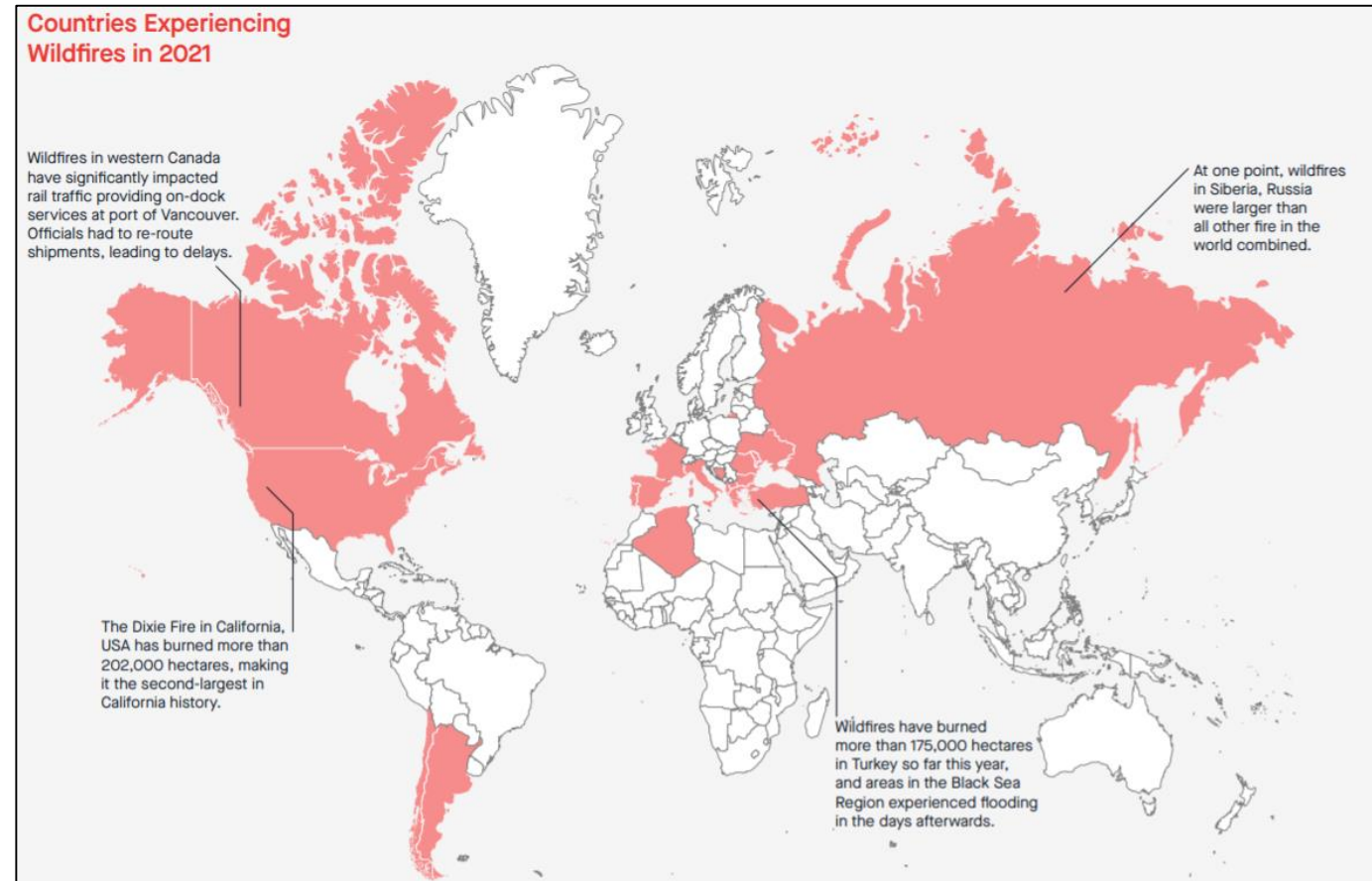
Note: The figures show freight rates for Shanghai to Los Angeles and Los Angeles to Shanghai in Panel A and average anchor and port time in Panel B. In Panel B, we compare the five major container ports for agriculture in California (Hueneme, Long Beach, Los Angeles, San Diego, and Oakland) with the five major East Coast ports or port districts (Baltimore, Charleston, Virginia, Savannah, and New York/New Jersey district) and Shanghai. Anchor time refers to time spent waiting outside the port and port time to time spent at a berth in the port.

# Examples of Global Supply Chain Risk



# Natural Disaster Exposure

- In 2021, several regions around the world experienced devastating wildfire seasons.
- As the year draws to a close, we have seen extensive regions experience intense and prolonged wildfire activity.
- This emphasizes the exposure of business operations to natural disasters.
- These risk ratings mean that companies operating within these countries are susceptible to a wide range of natural disasters that occur frequently and may cause large amounts of economic damage or impact large numbers of people and important industries.



**40 percent of the world's exports originate in countries having a Severe or High risk of natural disaster exposure.**

# BSI: Supply Chain Risk Insights Report

01

Against a backdrop of irreversible climate change and economic uncertainty, what do we really need to know about our suppliers?

02

As regulatory regimes evolve, how do we ensure we make the supply chain decisions that can shape business success and a cleaner, greener planet?

03

How do we best address the key geographic and sector pain points in a changed and changing world?

04

How do we adapt to the current convergence of multiple business challenges?

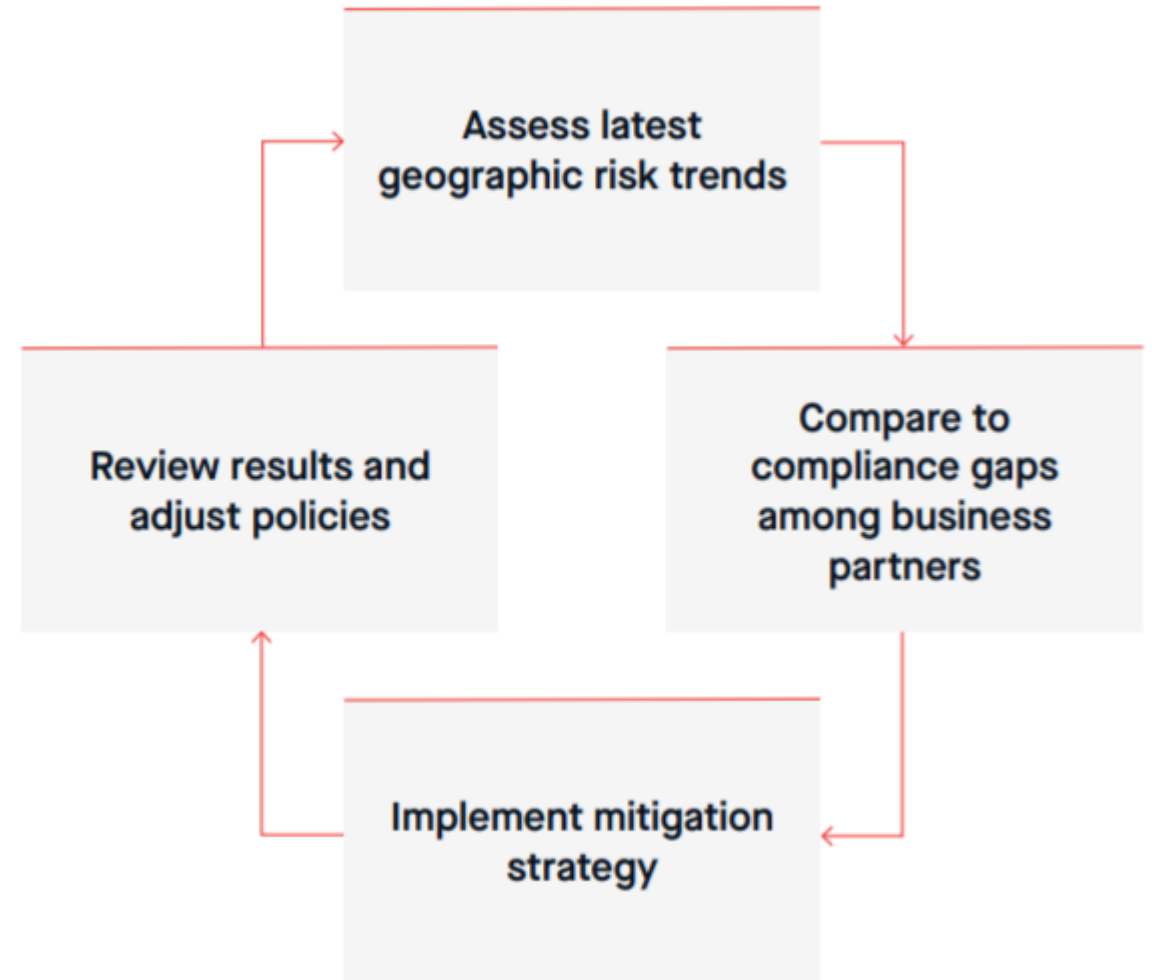
05

What are the key emerging trends for 2022 and beyond and how do we unlock the potential they offer?

**The 5 questions essential to answer to ensure a successful supply chain strategy for 2022.**

# BSI: Supply Chain Risk Insights Report

“Continuing to follow the risk assessment process is a key factor in how well organizations remain resilient to these ever-changing risks in both supply chains and the world in general.”



# Managing Supply Chain Risk

- Risk management is a key part of supply chain strategy, and agility and adaptability are the outputs of the planning and preparation process to manage the disruptions that you may encounter.
- So how do you measure up to your risks?
  - Identify/clarify risks
  - Prioritize the likely risks
  - Quantify the impact
  - Develop contingency plans
  - Conduct the cost/benefit Analysis



Supply-chain risk ultimately lies at the cross-section of vulnerability and exposure. A robust mitigation framework considers these factors and prioritizes risk across three dimensions to ensure effective mitigation and continuity planning: the likelihood of the risk manifesting, the financial impact, and the organization's ability to mitigate.

# Business Continuity & Supply Chain Risk

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*Worldwide uncertainty following recent disasters suggests that while awareness of supply chain risks is increasing, many businesses remain exposed to high levels of risk.*

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*Understanding your exposure to supply chain risk – both upstream and down – helps to identify the weakest links*

## *Key Questions*

- How well do you understand your supply chain exposures?
- Do you know who is important to you in a crisis?
- Do you know your priorities in the event of supply disruption?
- Have you examined BCM capability within your key suppliers?
- Are you planning collaboratively with supply chain partners to build greater resilience?
- Do you consider business continuity management when extending or optimizing your supply chain?
- Is supply chain risk management integrated with business continuity planning?