

IATA CARGO WEBINARS

21 October 2020

Three-Part Webinar Series

Webinar 1: Industry Readiness for Vaccine and Life Science Products Transportation

Welcome

Industry Readiness for Vaccine & Life Science Products Transportation

Andrea Gruber
Head, Special Cargo
IATA



IATA CARGO WEBINARS

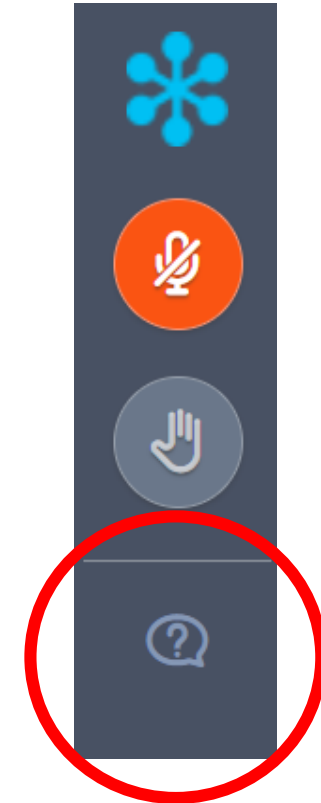


This session is conducted under the Competition Law Compliance



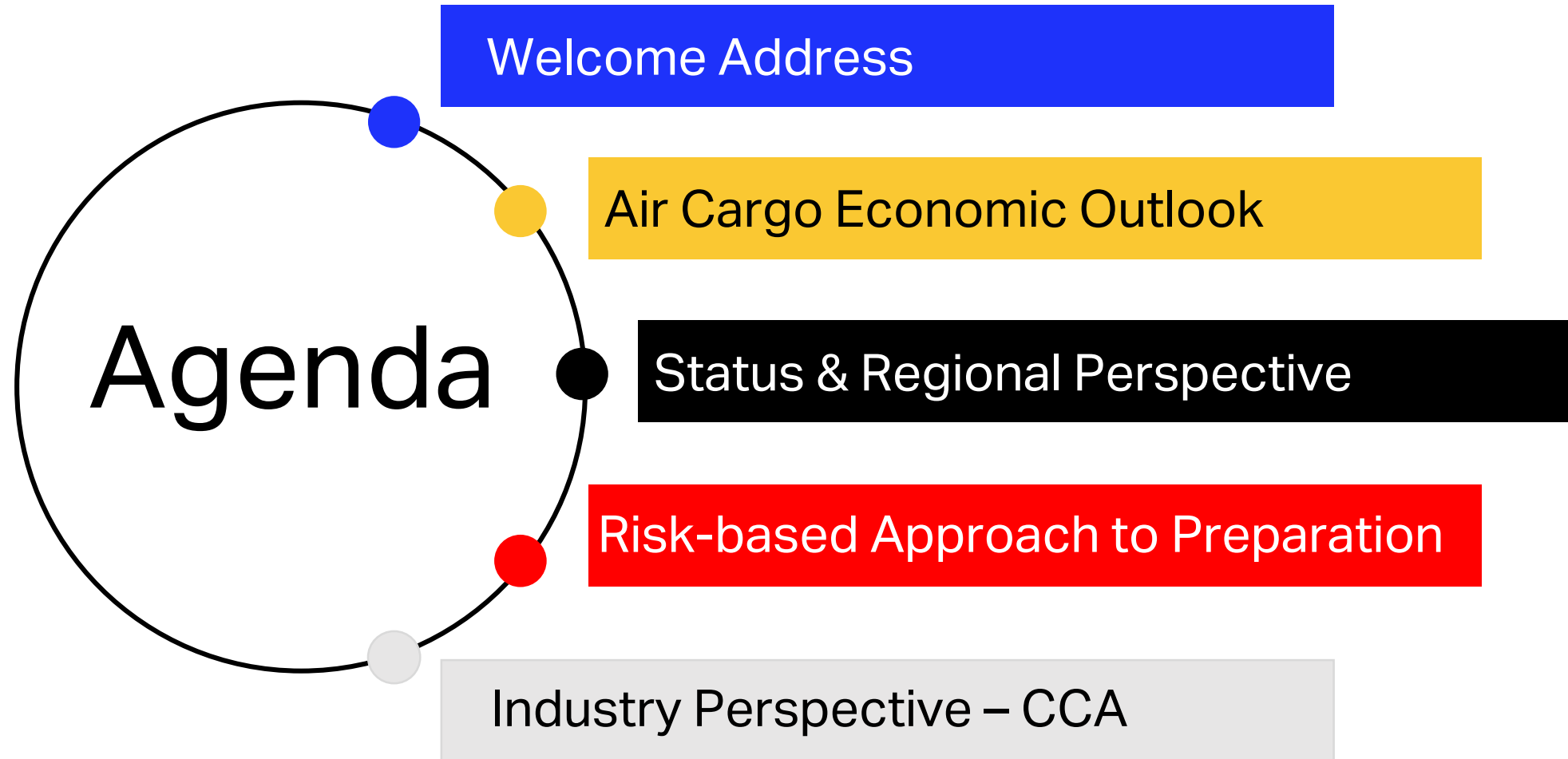
Microphones have been muted

Please submit your questions through the **Question box** and **send to Everyone** →



The webinar is being recorded and will be made available afterwards, including the PPT slides.

Transport of Vaccines and Life Science Products by Air



Speaker [biographies](#) are available on the IATA website



Air Cargo Markets: Recent developments & the near-term outlook

Andrew Matters
Deputy Chief Economist
IATA

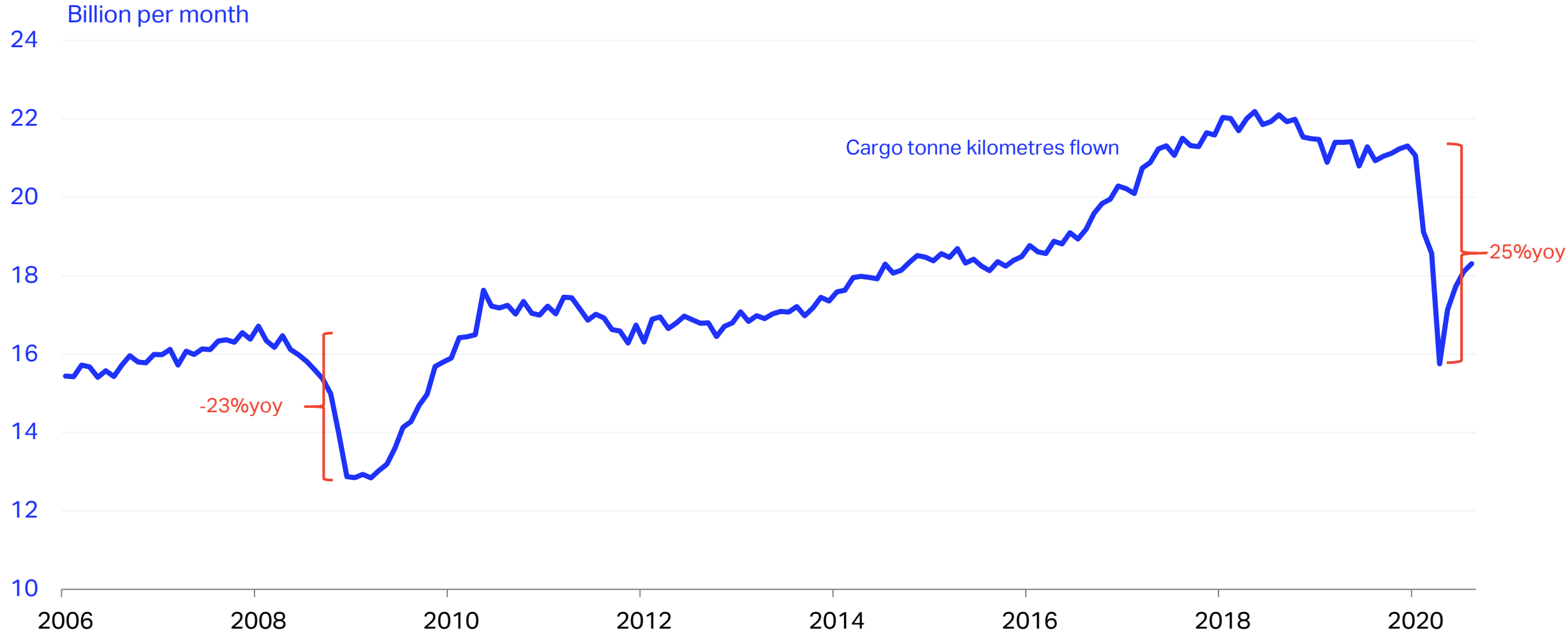


October 2020



Decline in cargo volumes similar to the GFC in 2008-09

After falling by 25%yoy in April, CTKs are currently down 12.6%yoy (Aug)



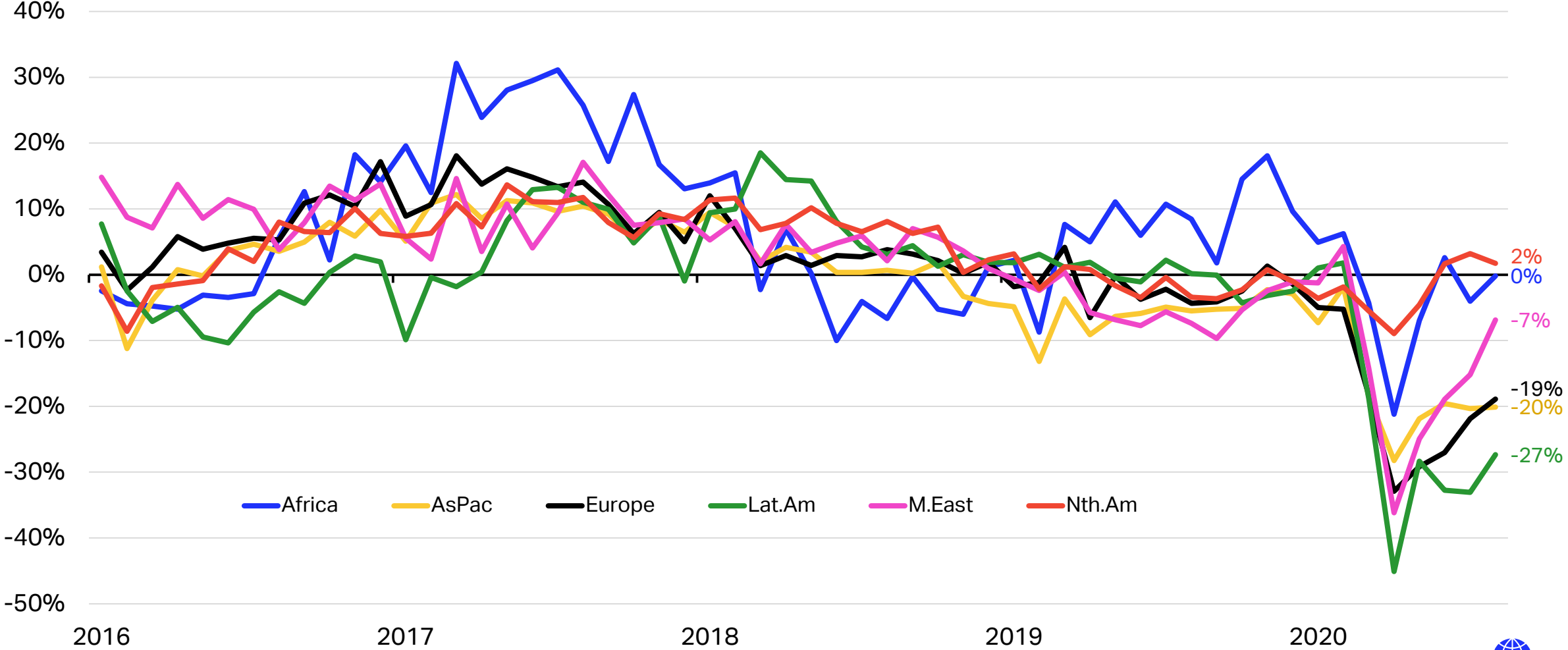
Source: IATA Economics using data from IATA Statistics



Performance is mixed across regions...

...volumes are still well down vs a year ago in Lat.Am, Eur and AsPac

RPK growth (yoy) by airline region of registration

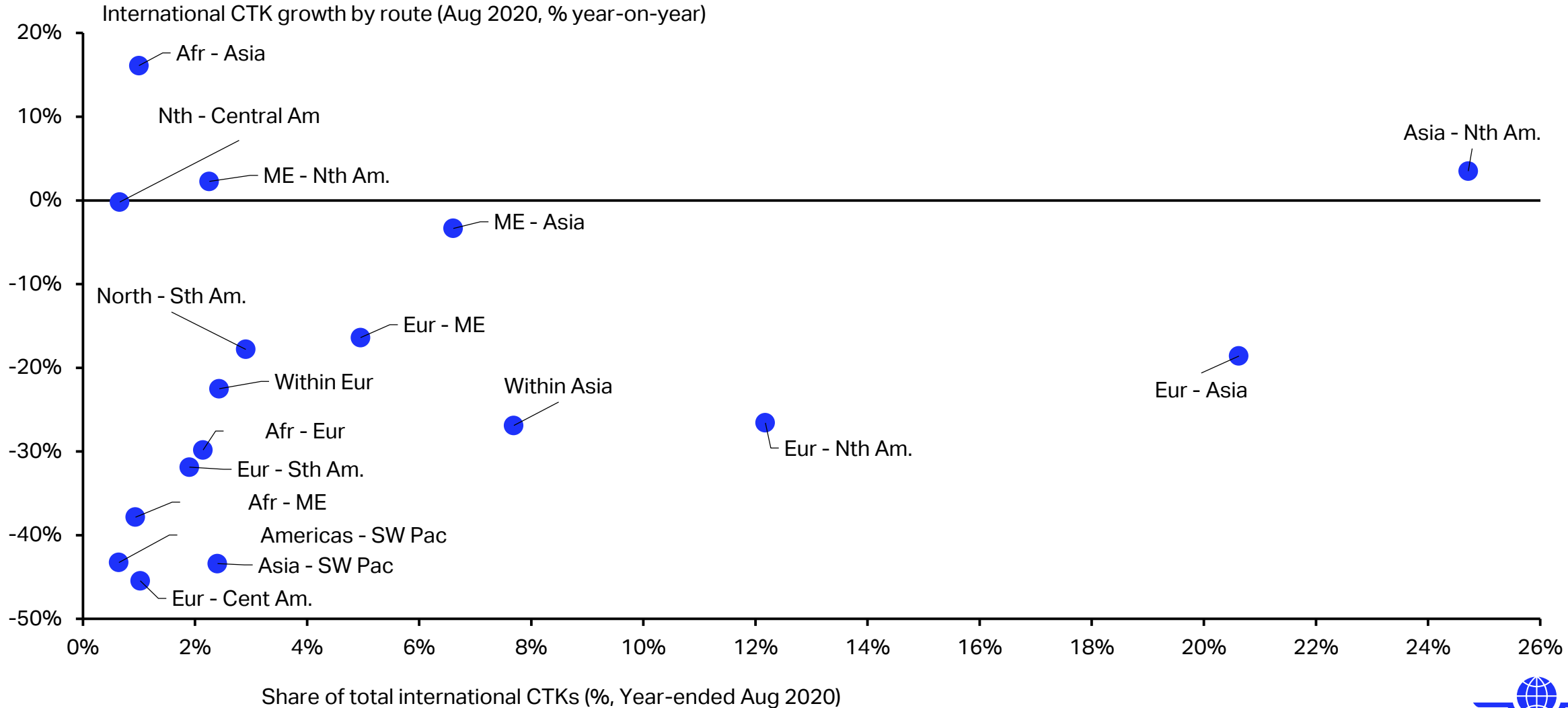


Source: IATA Economics using data from IATA Statistics



Widespread weakness across major route areas

Asia-North America is the best performing large market currently

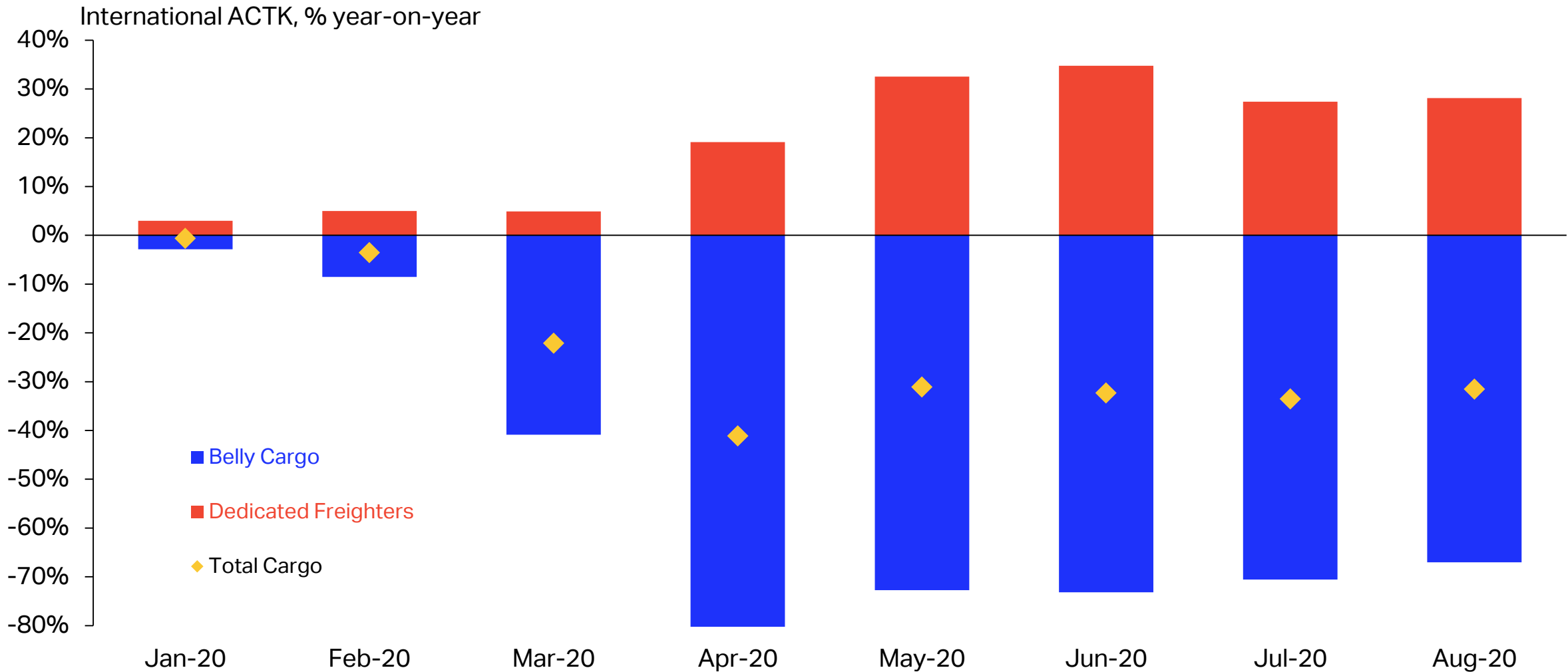


Source: IATA Economics using data from IATA Statistics



Lack of capacity is a key part of the current cargo 'story'

Dedicated freighter capacity is up ~30%yoy, belly capacity is down ~70%

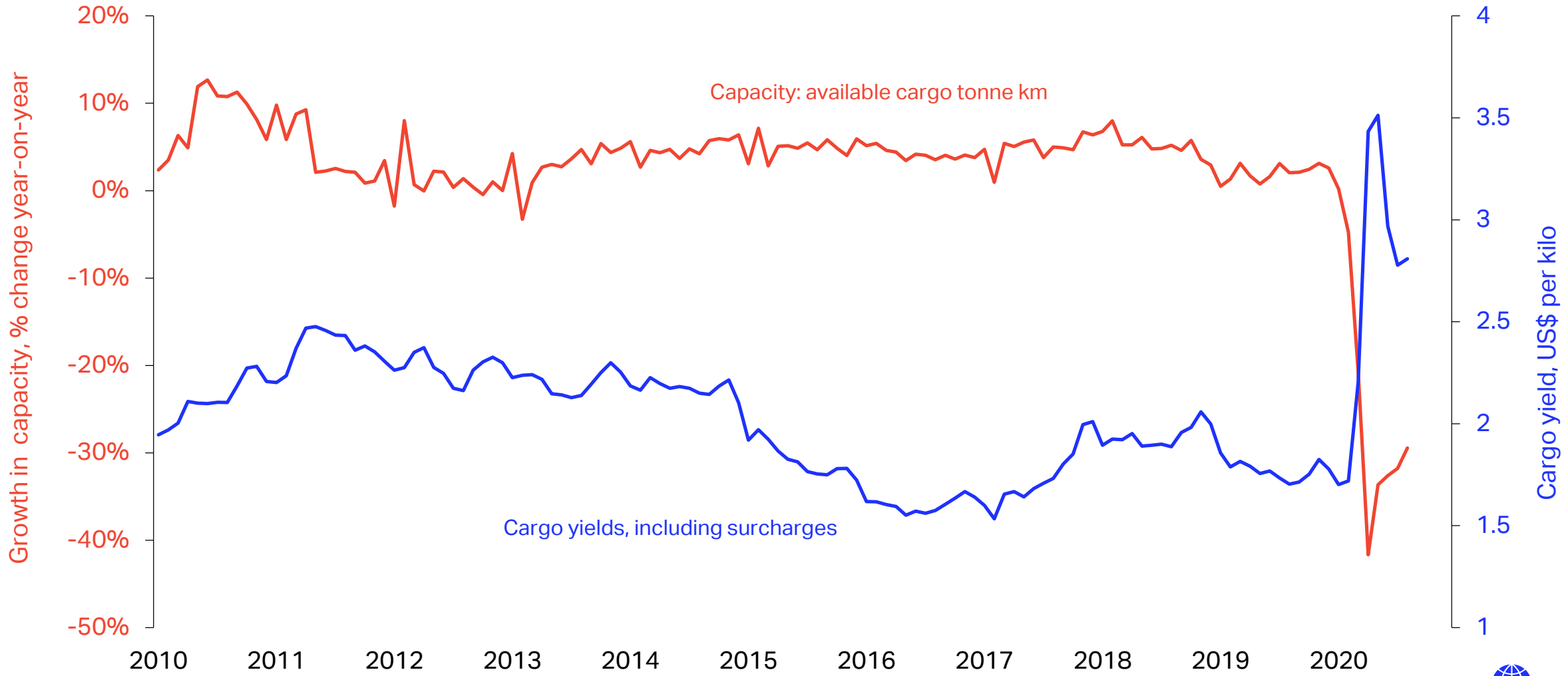


Source: IATA Economics using data from IATA Statistics



Shortage of belly capacity has forced yields higher

August capacity down 30%yoy, yields up 65% vs last year



Source: IATA Economics using data from IATA Statistics and CargoIS



Latest developments by region (overview)

Capacity has fallen more than volumes; load factor has risen significantly

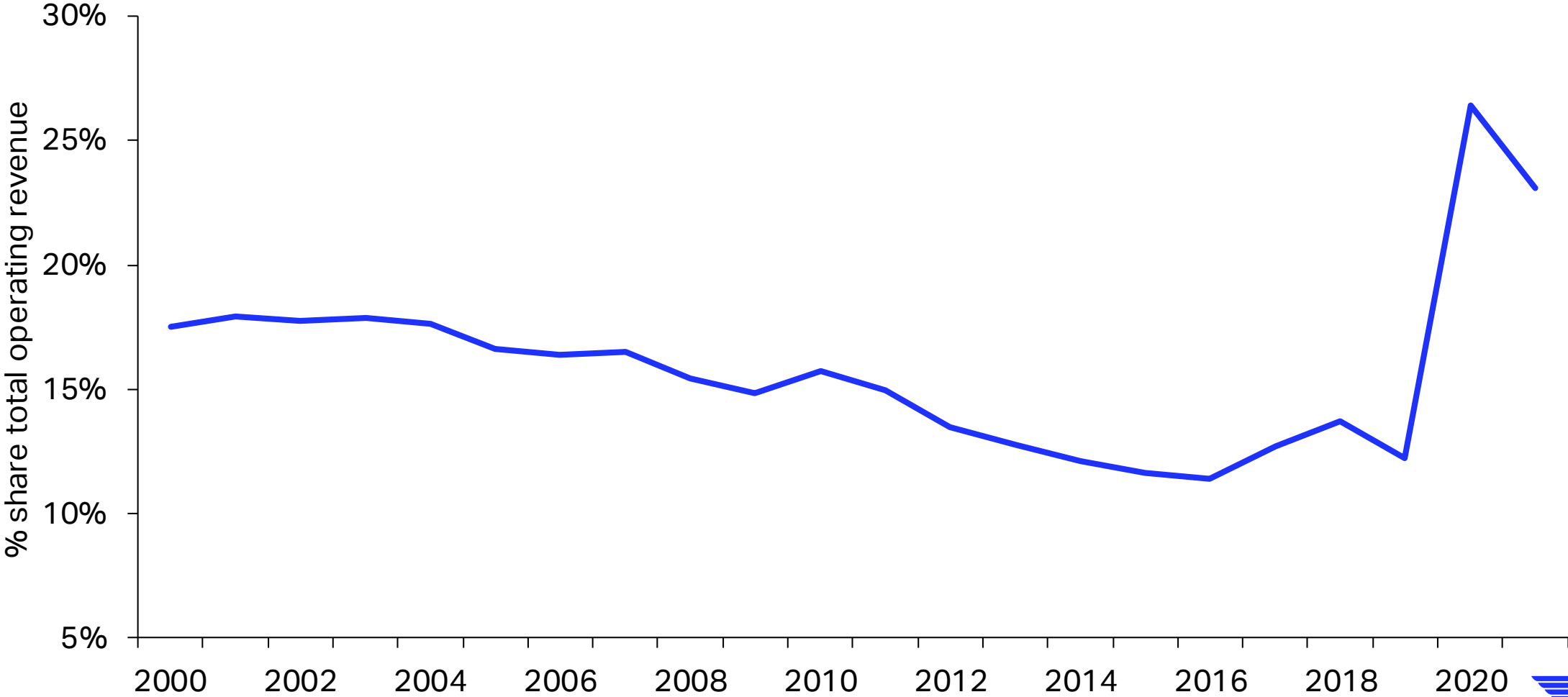
	<i>World share</i> ¹	August 2020 (% year-on-year)			
		CTK	ACTK	CLF (%-pt) ²	CLF (level) ³
TOTAL MARKET	100.0%	-12.6%	-29.4%	10.6%	54.8%
Africa	1.8%	-0.2%	-37.9%	19.0%	50.2%
Asia Pacific	34.5%	-20.1%	-33.5%	10.3%	61.6%
Europe	23.6%	-18.9%	-32.1%	9.3%	56.8%
Latin America	2.8%	-27.3%	-43.5%	10.6%	47.8%
Middle East	13.0%	-6.9%	-24.3%	10.0%	53.5%
North America	24.3%	1.7%	-23.3%	12.0%	48.9%

See link to our monthly briefing [here](#)

Cargo a partial offset to collapsed passenger revenues

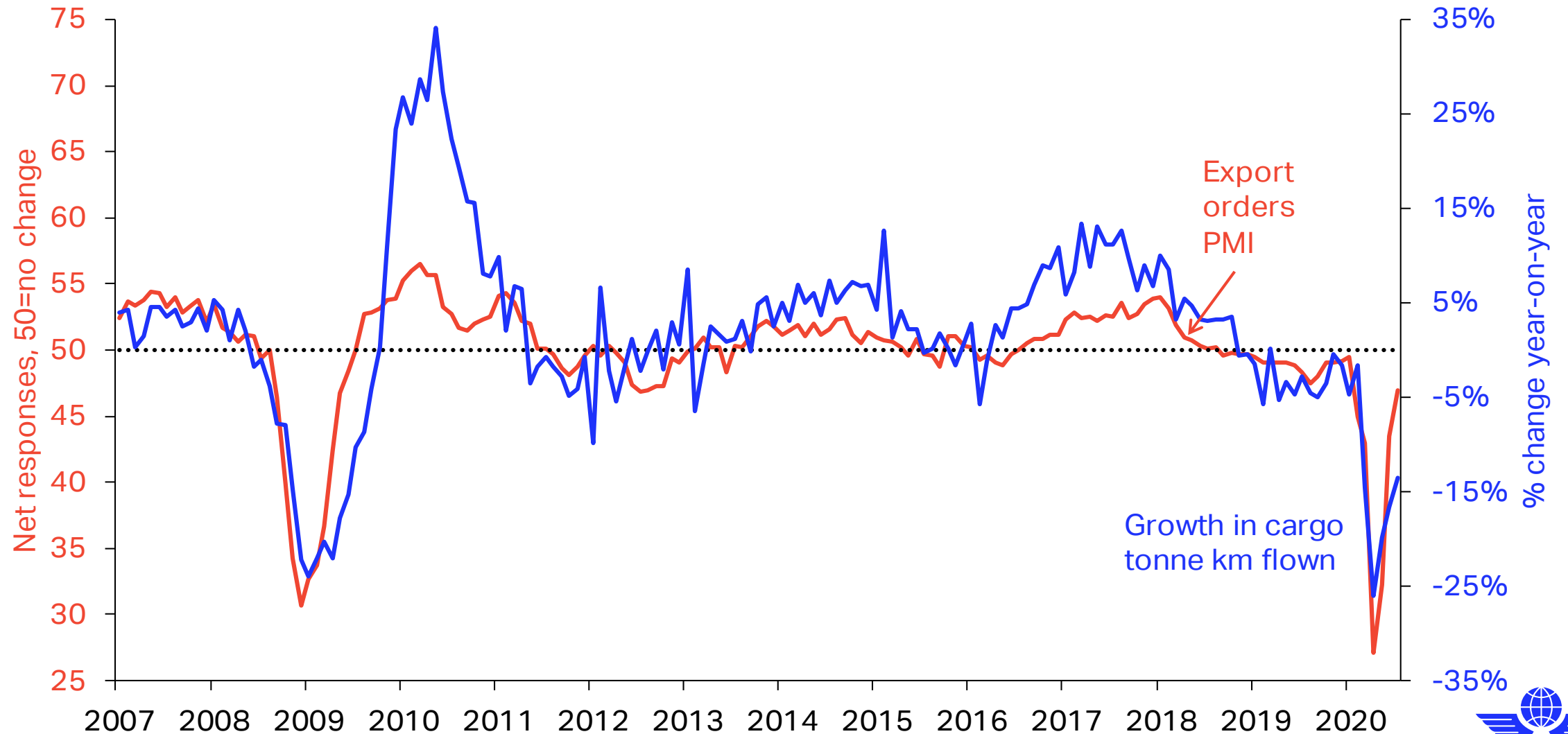
Cargo's share of operating revenues had been in decline; now ~25%

Cargo share of total airline industry operating revenue, %



Source: IATA Economics using data from IATA Statistics, own forecasts

Export orders have rebounded sharply... ...pointing to a strong recovery in air cargo volumes



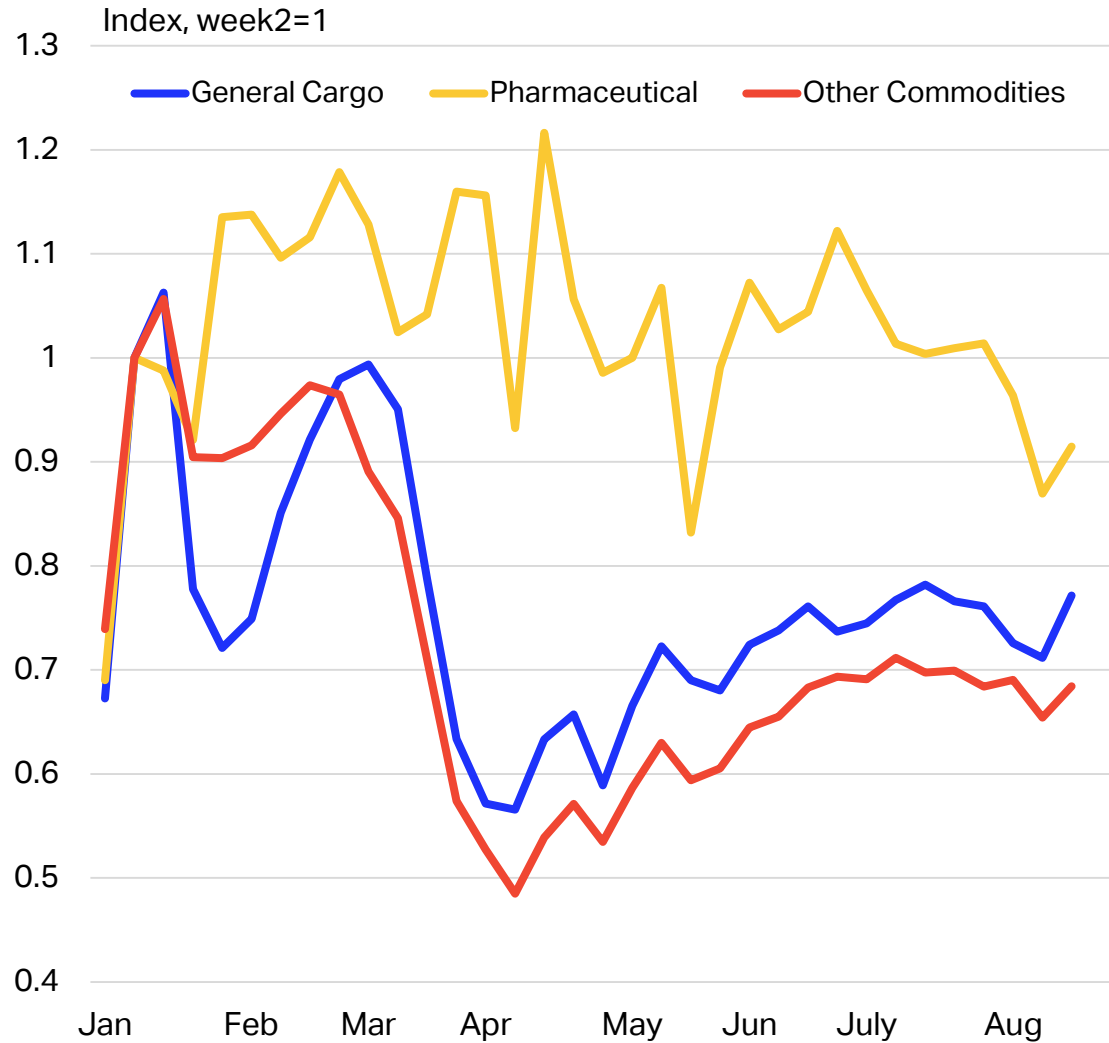
Source: IATA Economics using data from IATA Statistics and Markit



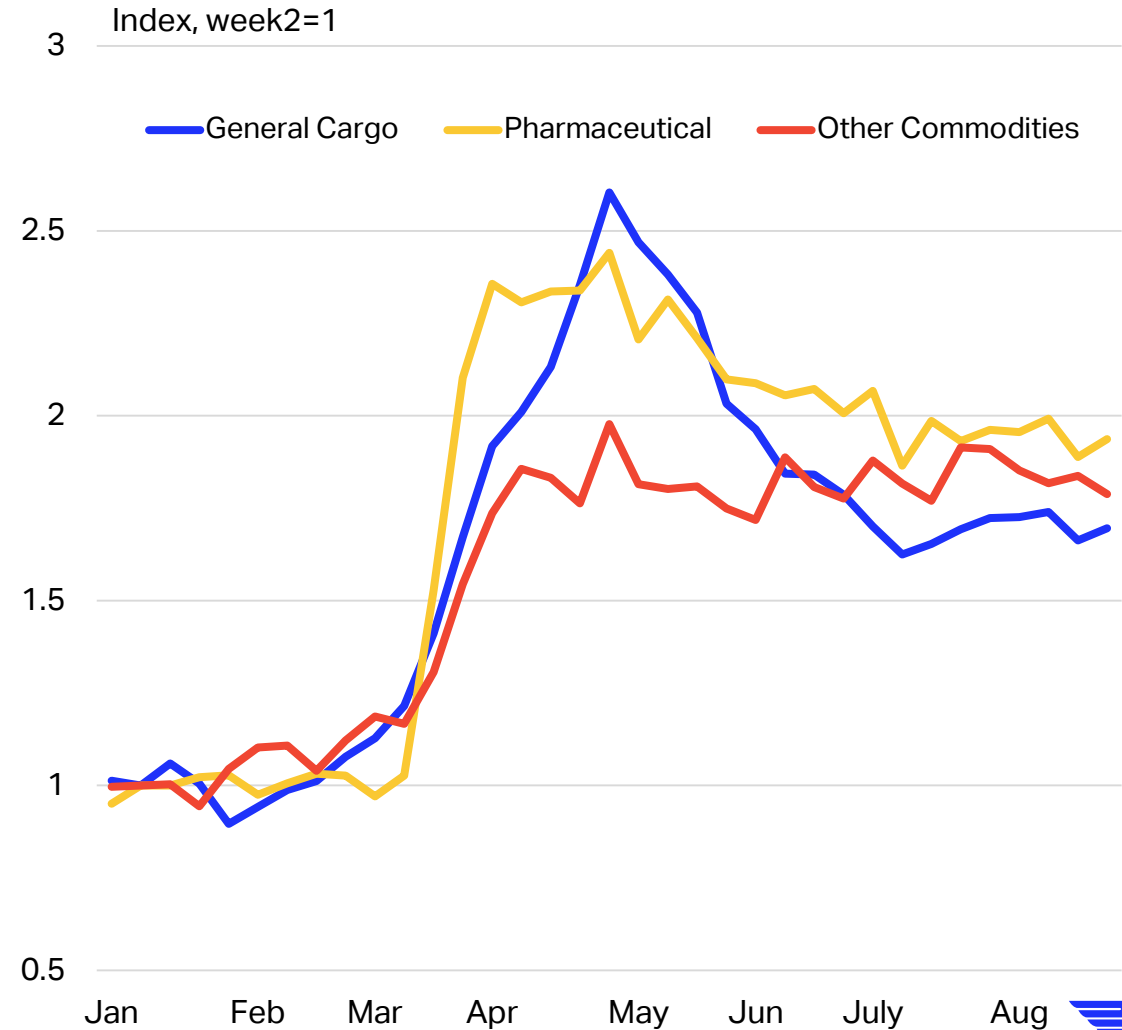
Air pharma has proven resilient this year

In terms of both volume and price developments vs other air cargo

Global Chargeable Weight Index



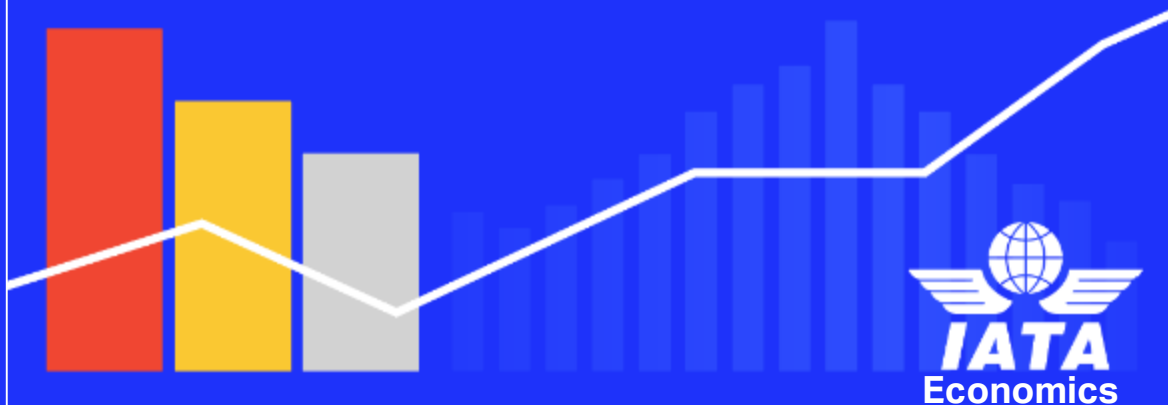
Global Rates Index (USD)



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Industry Status with Regional Input

Andrea Gruber
Head, Special Cargo
IATA



Call-to-Action from the AirPharma Webinar

Industry readiness and preparedness to manage globally a temperature-controlled supply chain for vaccines, health, and humanitarian supplies

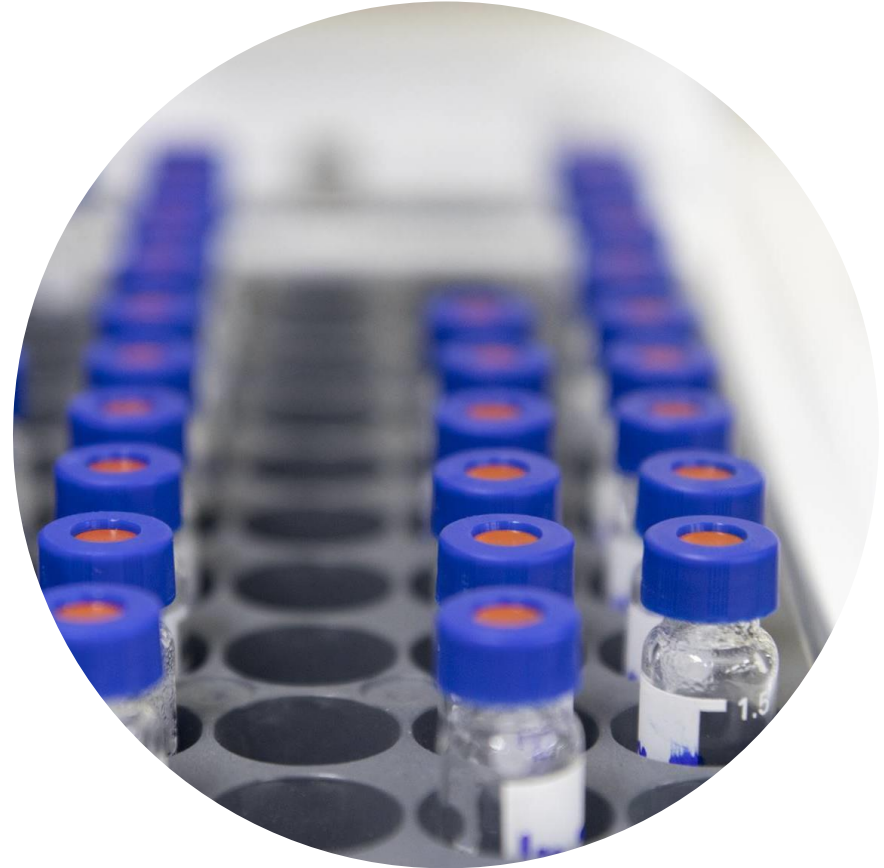
- **Global Collaboration**
- **Plan - Prepare - Inform**
- ***“Continuous improvement is better than delayed perfection” - Mark Twain***



Managing a global temperature-controlled supply chain for vaccines, health, and humanitarian supplies

Key considerations:

- Capacity & Connectivity
- Capabilities & Facilities
- Infrastructure & Equipment
- Border Processes
- Security & Safety
- Interconnected Logistics Networks



Supply Chain Challenges

COMMUNICATION



Uncertainties have a great number of implications on the supply chain planning efforts

Manufacturer



Consumers



Road
Transport



Road
Transport



Freight
Forwarders



Freight
Forwarders



Airports



Origin
Ramp/Cargo
Handlers



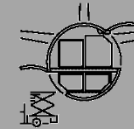
Origin
Authorities



Destination
Authorities



Destination
Ramp/Cargo
Handlers



Airports



Supply Chain Challenges

COMMUNICATION

Manufacturer



- Manufacturing locations and sites ready to ship the vaccines
- Product shelf life & efficacy and number of doses of vaccines required
- Overall weight, size and volume of shipments foreseen
- Handling, transport and storage requirements
- Different vaccines with different temperature conditions
- Understand the supply chain constraints
- Identifying the airline capacity and connectivity
- Identifying the airport, handler and cargo terminal capabilities
- Ensure compliance on the Regulations (e.g. DGR)

Supply Chain Challenges

COMMUNICATION

- Uninterrupted temperature-controlled management across supply chain
- Ensure appropriate and availabilities of Road Feeder Services (RFS)
- Coordinating an integrated transport solutions and land-based infrastructure in remote areas
- Local distribution operational capacities
- Reinforced multilateral communication on services and capabilities, etc.

Road
Transport



Freight
Forwarders



Road
Transport



Freight
Forwarders



Supply Chain Challenges

COMMUNICATION

- Availability of specialized temperature-controlled infrastructure, facilities and equipment
- Dedicated qualified and trained staff
- Planning on overall capabilities
- Temperature-controlled dollies helping maintaining temperature control while the shipments are outside the temperature-controlled facility
- Accommodating inbound and outbound aircrafts
- Airport communities for coordination, consistency and uniformity
- Trucking access directly to the aircraft & security protocols

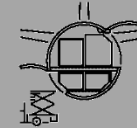
Airports



Origin
Ramp/Cargo
Handlers



Destination
Ramp/Cargo
Handlers



Airports



Supply Chain Challenges

COMMUNICATION

- Governments and regulatory bodies
- Border processes
- Facilitation procedures
- Health authorities

Origin
Authorities



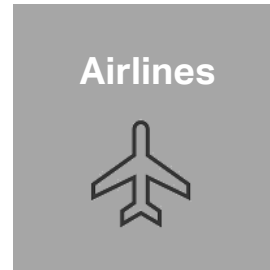
Destination
Authorities



Supply Chain Challenges

COMMUNICATION

- Capacity & Connectivity
- Planning to ensure safe, reliable transport and distribution
- Operational capabilities and aircraft capacity
- Prioritization of shipments
- Facilitating freighter charter
- Interline agreements



Global & Regional Perspective

COORDINATION

- Real-Time Digital Supply Chain
- Initiatives aiming at rapid and efficient access to governments in Africa
- Everyone involved must work closely in real-time

CAPACITY/CONNECTIVITY

- Africa has been hard aggravating connectivity
- Withdrawal of capacity due to operational reduction by loss-making airlines - AME
- Lack of manpower at airports

REGIONS

- Communities – EUR / ASPAC Airports
- Ground handling warehouse capacity management for large volumes of pharma
- Unprecedented financial constraints – SA
- Lack of temperature-controlled area for customs inspection, if necessary

- Putting the lessons learned from PPE distribution to good use
- Establish regional control and communication centers
- Last mile delivery

LOGISTICS/INFRASTRUCTURE

DISTRIBUTION

Future Requirements

Uncertainties have a great number of implications on the supply chain planning efforts

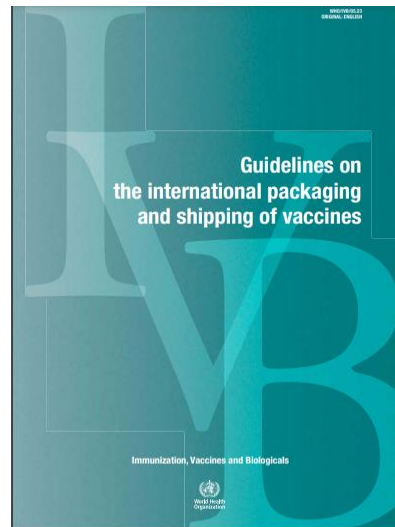
COLLABORATION
COMMUNICATION
PLANNING



Industry's Readiness Starts Here

The aviation and the pharmaceutical industries have been working together in collaboration for many years to strengthen the quality requirements with realistic capabilities.

The importance of global supply chain standards and harmonized procedures



TCR specific information on vaccine transportation:

- **Information** in Chapter 4, Sections 4.2.9.2 and 4.2.9.3
- **Packaging Requirements** in Chapter 6
- **WHO Documentation and Labelling for vaccines** in Chapter 7, Section 7.8
- **Good Storage Practices** in Chapter 8 sections 8.2.8 and 8.3.3
- **Product Temperature Ranges** Chapter 17, Section 17.5

Risk-based Approach to Preparation

Ronald Schaefer
Senior Principal, Consulting
IATA



Transportation of COVID-19 Vaccines

Transporting additional vaccines globally will be challenging

Additional key considerations and opportunities:

- International regulations
- Packaging (active vs passive)
- Infrastructure & capabilities
- Supply chain integrity (alignment of processes, standards and procedures)
- Transparency
- Risk assessments



Transportation of COVID-19 Vaccine (Storage)

Priorities for developing capacity and resources for vaccine distribution include:

- The **availability of temperature-controlled facilities and equipment**—maximizing the use or re-purposing of existing infrastructure and minimizing temporary builds
- The **availability of staff** trained to handle time and temperature-sensitive vaccines
- The **building of robust monitoring capabilities** to ensure the integrity of the vaccines is maintained



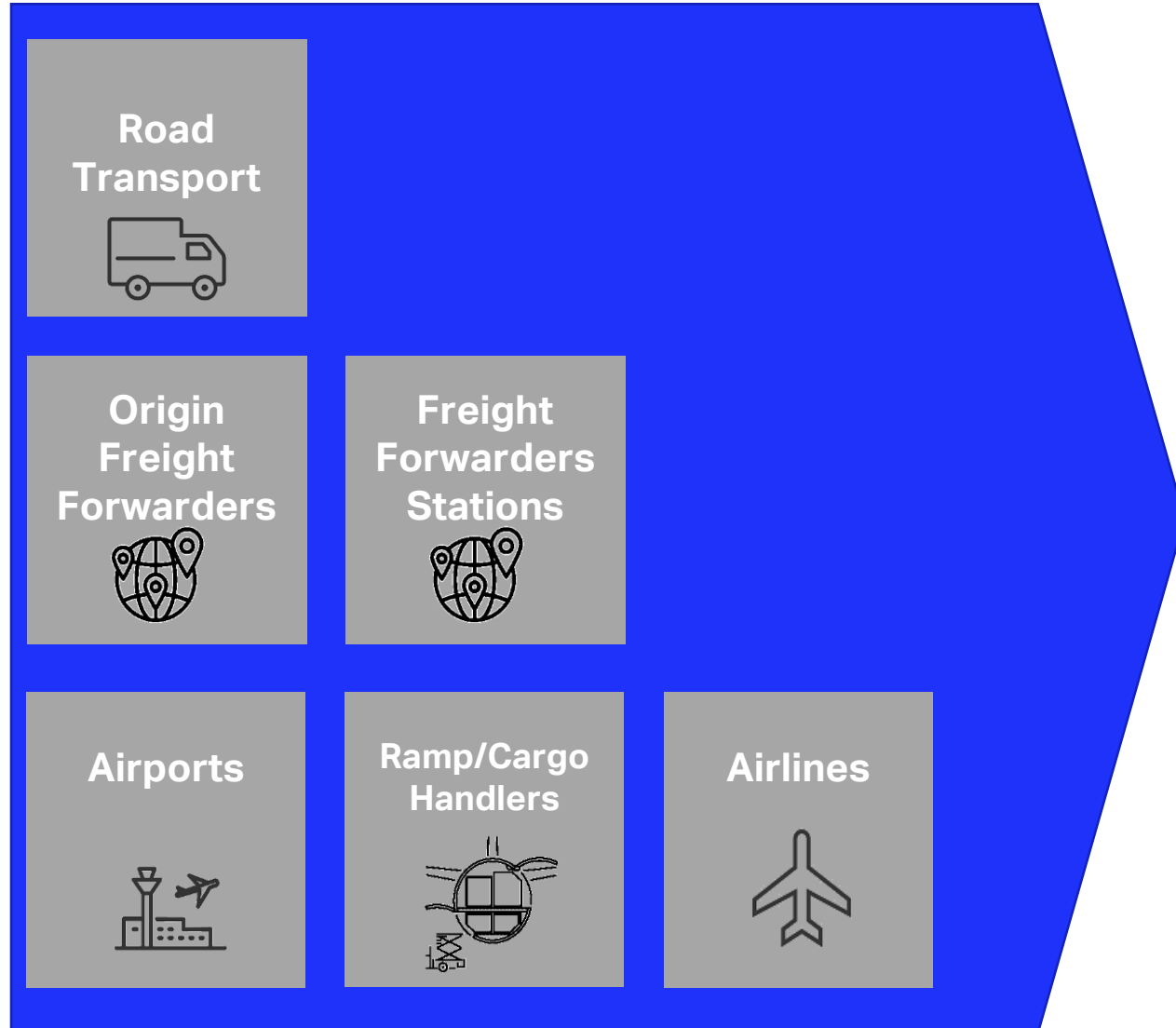
Mitigating the Risks

- **Quality and product integrity** cannot be jeopardized
- **Building confidence** and trust through knowledge, training and global standards
- **Continuous improvements, harmonization, collaboration and alignment** with industry initiatives are key elements that will transform the future



Approach to Harmonized Standards

Different approaches for stakeholders



Approaches:

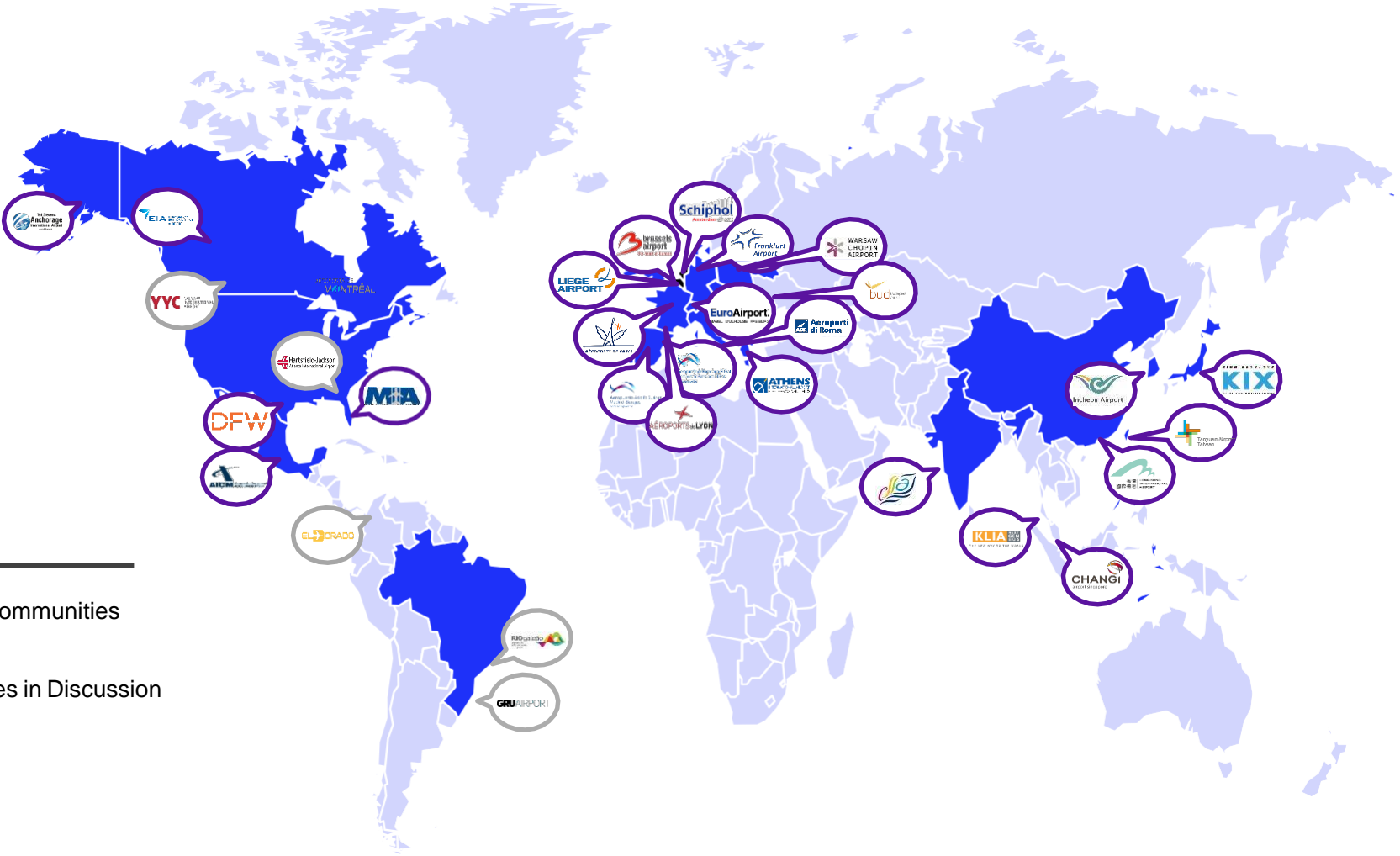
Individual

Network

Community

CEIV Pharma (Community Approach)

Certified Pharmaceutical Trade Lanes Development



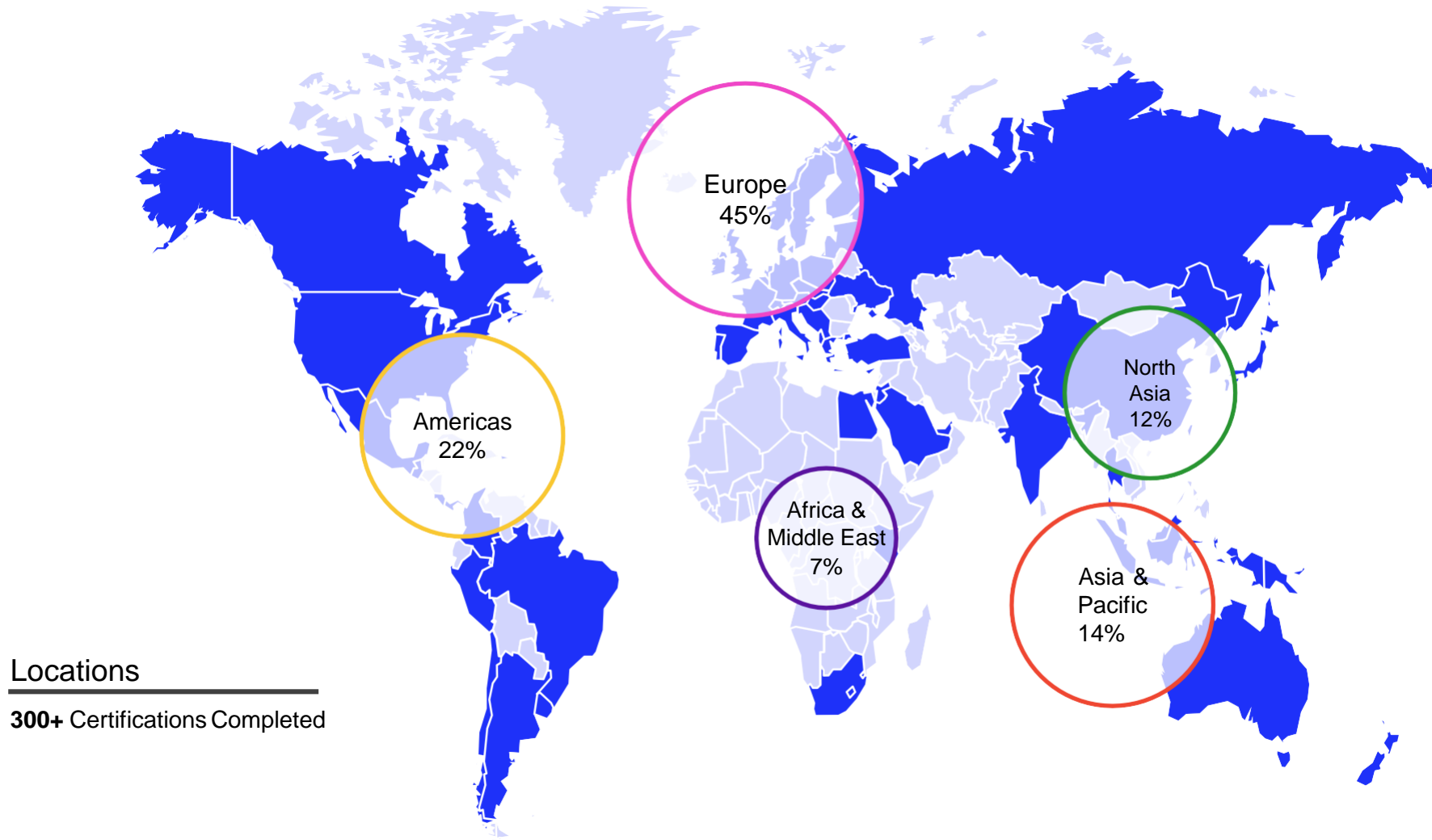
Locations

- 26 Ongoing Communities
- 6 Communities in Discussion



CEIV Pharma – Locations Certified Worldwide

Certified Pharmaceutical Trade Lanes Development



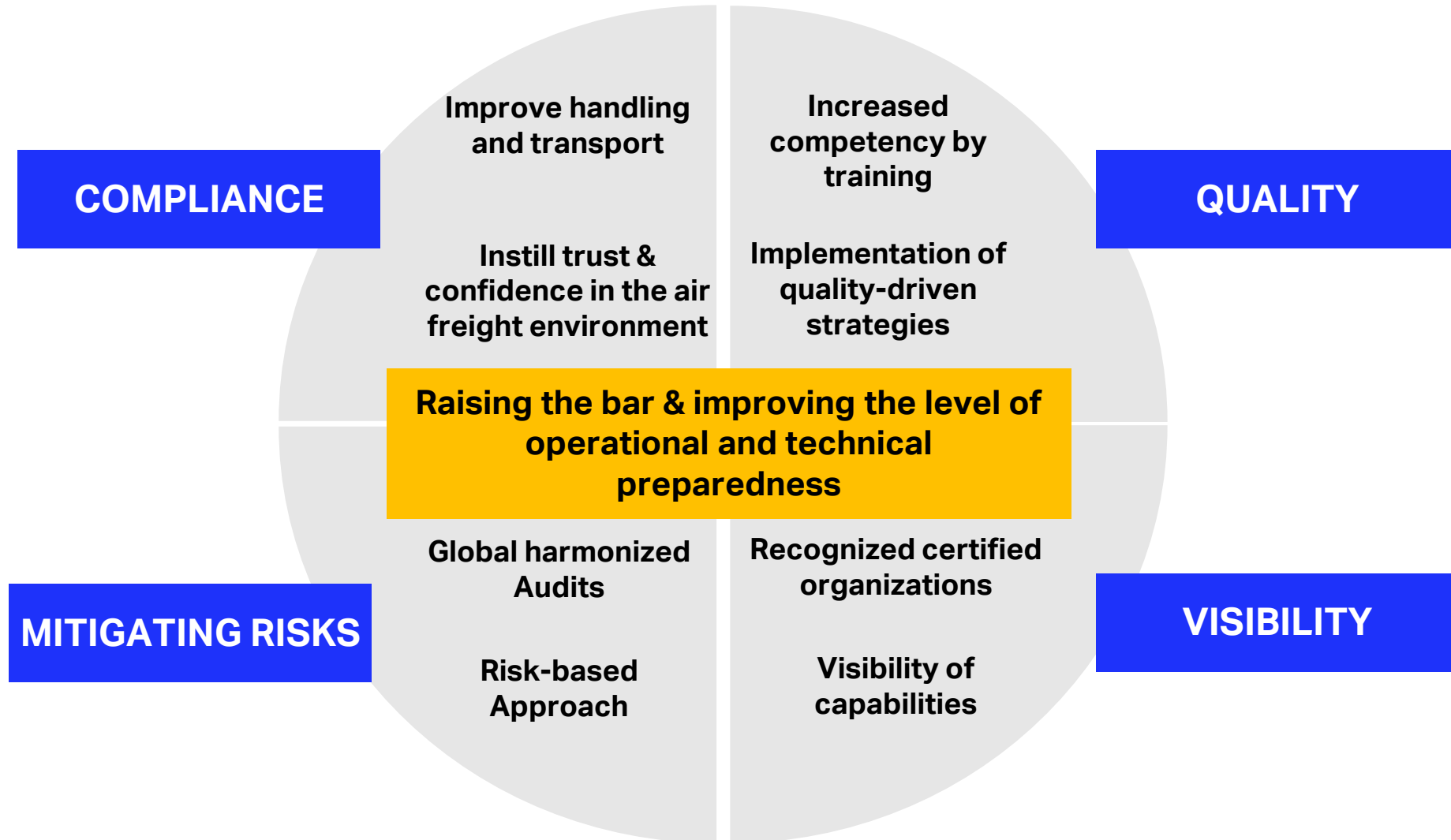
Locations

300+ Certifications Completed



Benefits of Harmonized Approach

A harmonized approach will improve compliance and quality, mitigate risks and increase visibility of stakeholders



Capabilities & Infrastructure Industry Platform – ONE Source

- **Visibility** across the supply chain
- Find **facilities & infrastructure** with **validated** information
- Demonstrate **competencies** of handling **expertise**
- Showcase adherence to **quality standards**

The screenshot displays the IATA ONE SOURCE beta website interface. At the top, the IATA logo and 'ONE SOURCE beta' are visible, along with navigation links: HOME, ABOUT ONE SOURCE, VALIDATION PROGRAMS, REMOTE VALIDATIONS, LATEST NEWS, and ABOUT IATA. A 'PRE-REGISTER' button is located in the top right corner. Below the navigation bar, there is a search bar with the text 'Home > Search'. The main content area features a map of the world with various locations marked by colored circles and numbers. A search results popup is open, showing two entries for 'Kuehne + Nagel' Freight Forwarder. Below the map, there are filters for 'Station Location' and 'Company Name'. The results are categorized by type: ALL RESULTS (311), Airline (42), Airport Operator (2), Freight Forwarder (186), Trucking (7), Cargo Handling Facility (73), Shipper (0), and Ramp Handler (1). The first result is for 'CPSL Cathay Pacific Services HKG', which is a 'Cargo Handling Facility'. It lists IATA Validation Programs (CEIV Pharma, CEIV Live Ani, CEIV Fresh, Smart Facility) and Cargo Commodities (General Cargo, Dangerous Goods, Perishables, Live Animals, Airmail, Pharmaceuticals). Contact information includes the address '3 Chun Wan Road, 7W XF+7X, Chek Lap Kok, Lantau, Hong Kong', phone number '+852 27679888', and email 'customerenquiry@cpsl.com.hk'. The second result is for 'TURKISH CARGO Turkish Airlines Inc.', also a 'Cargo Handling Facility', with similar validation programs and commodities. Contact information includes the address 'Terminal Caddesi No: 1, 34277, Arnavutköy, Istanbul, Turkey', phone number '+90 850 333 0 777', and email 'servicestandardscyg@thy.com'.



Thank You

[CEIV Pharma](#)

[IATA ONE Source](#)

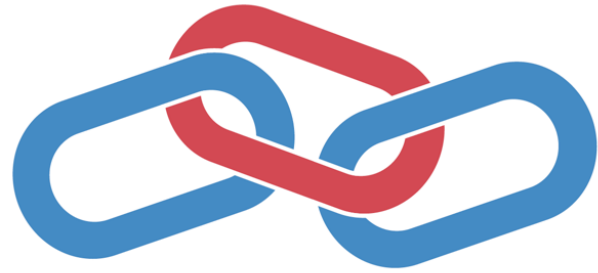
[IATA Training](#)



Industry Perspective

Nicola Caristo
Secretary General
Cool Chain Association





COOL CHAIN ASSOCIATION

Reducing food wastage • Reducing food born diseases • Improving shelf-life • Investing in clean mobility • Using sustainable equipment • Reducing inefficiencies • Improving reliability • Improving RTI's / Packaging • Improving transparency • Implementing new technologies • Stimulating new software • Bringing stakeholders together • Showcasing projects • Stimulating new initiatives • Interacting with Universities

COOL CHAIN ASSOCIATION

Perspective on the importance of supply chain collaboration and required efficiencies to ensure industry readiness for the global distribution of the COVID-19 vaccine.



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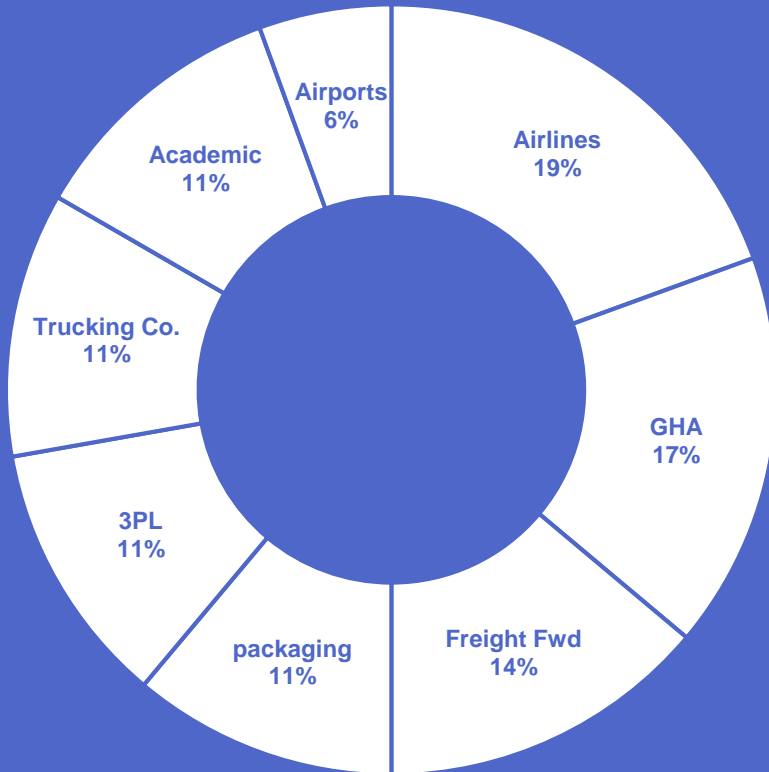
TABLE OF CONTENTS OBJECTIVES

- CCA Membership Overview
- Perishable Project – The LAX initiative
- Vaccines Distribution - The Scenarios Challenge
- Supply Chain Critical point and Bottleneck
- COVID-19 Airport Distribution Change Management Matrix
- Project charter for change management
- CCA Members Workshop and follow up



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CCA - MEMBERS



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PERISHABLE PROJECT – THE LAX INITIATIVE

Scope:

Improve quality
 Define minimum standard
 Adopt degree-hour standard
 Accountability
 Reduce Inefficiencies A-Z
 Reduce Impact at environmental level
 Sustaining shelf-life of perishable products
 Inform and make public aware of cold-chain integrity

Methodology: Degree Hours

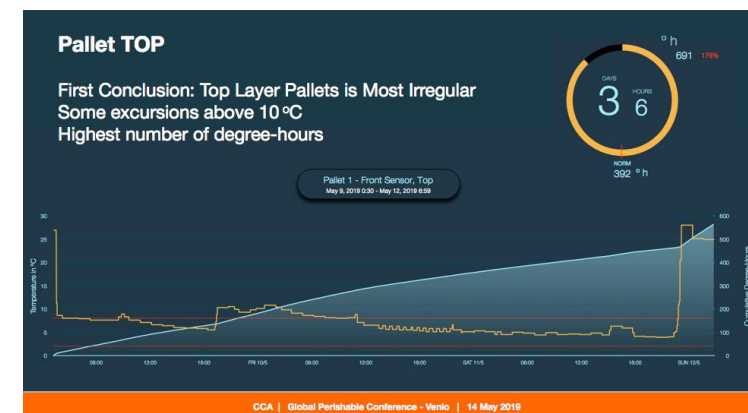
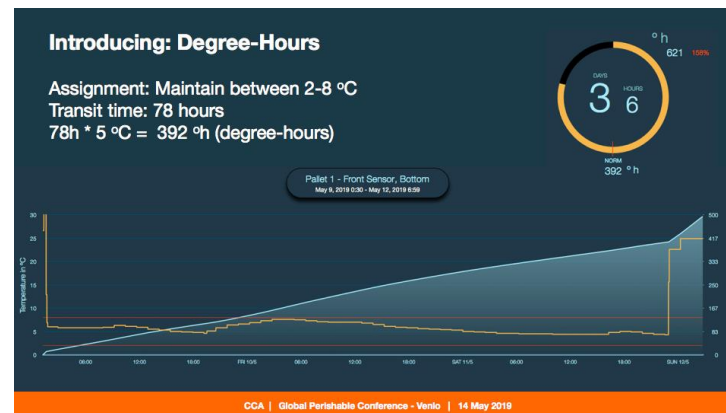
Type of loading: passive solution and active container

Type of protection: cool /thermo dollies

Standards: feedback for regulators (CEIV Program)

Airports	Airlines	Freight Forwarder	GHA	Shipper (Consignee)	Packaging Solution	ULD provider (Supplementary thermal protection)	IT platform	Aircraft manufacturer	Regulatory Reference
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LAX LUX KW/DWC	CV	ABLE FREIGHT
MEX AMS	AF-KL	ABLE FREIGHT



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PHARMA AND VACCINES DISTRIBUTION - SCENARIOS

ACTUAL SCENARIO CHALLENGE

- AIRLINES NETWORK REDUCTION
- STAKE HOLDERS CONTINGENCY PLANS

+

**STANDARD PHARMA & VACCINES
DISTRIBUTION**

COVID 19 DISTRIBUTION SCENARIO CHALLENGE

- AIRLINES NETWORK REDUCTION
- STAKE HOLDERS CONTINGENCY PLANS

+

**STANDARD PHARMA & VACCINES
DISTRIBUTION**

+

COVID-19 VACCINES DISTRIBUTION

- TEMPERATURE REQUIREMENTS
- PACKAGING REQUIREMENTS
- FORECASTS AND QUANTITY
- TIME FRAME

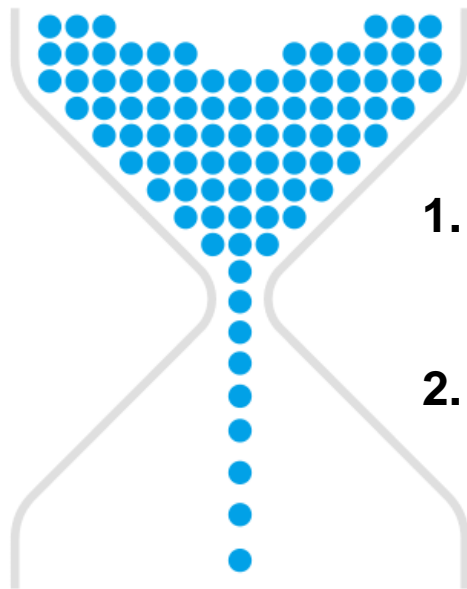


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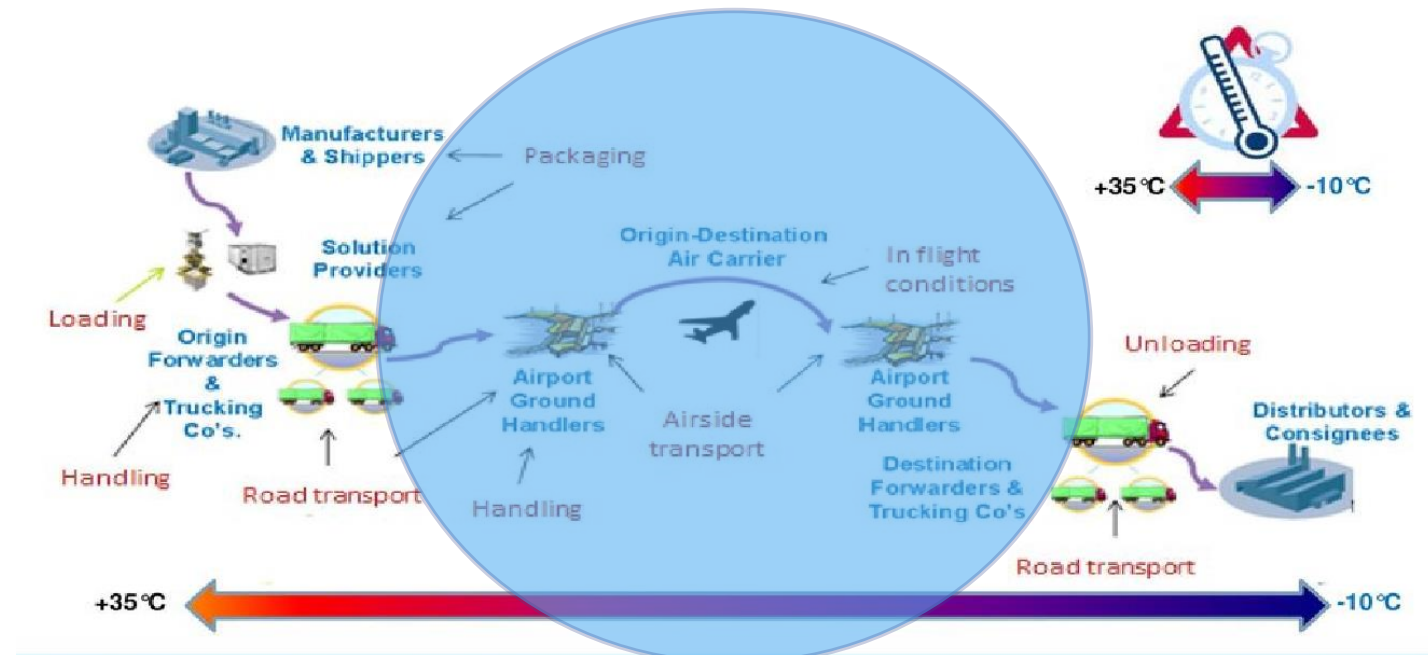
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THE VACCINE COLD-CHAIN BOTTLENECK

Air Cargo Supply Chain Challenges



1. TEMPERATURE REQUIREMENTS
2. PACKAGING REQUIREMENTS



IATA Standards: Ensuring compliance to Regulations for Time & Temperature Sensitive

16

Milan, September 17, 2014

3. AIRPORTS



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AIRPORTS COVID-19 DISTRIBUTION CHANGE MANAGEMENT MATRIX

AIRPORT COVID 19 DISTRIBUTION CHANGE MANAGEMENT MATRIX

- FACILITY
- W/H OPERATION
- RAMP OPERATION
- TRAINING
- SAFETY
- SECURITY
- SUPPLIER MANAGEMENT
- RISK MANAGEMENT
- QUALITY



	Facility	Warehouse Operation	Ramp Operation	Training	Safety	Security	Supplier Management	Risk Management	Quality
Temperature range	Temp. Mapping Capability - CRT - COL - FRZ - General Cargo (Monitored) - General Cargo (Not Monitored)	- Check in/Delivery - Storage - Contamination - Flight preparation (in and out) - Tarmac - Contingency Operation have to consider the both dedicated temperature controlled areas and general cargo areas and in harmonization with Ramp OPS	- weight & Balance - Contamination - Transportation o Time protection - loading/unloading - DG Management - Temperature management O/B Operation have to be harmonized with Warehouse OPS	Low Temperature management training Dry Ice Management	Personal Protective Equipment (PPE)		Identification of new critical supplier and/or SOP review	Risk Management Review	KPIs
Type of packaging	Packaging types - Active - Hybrid - Passive - Loose - ULD - Plugs			New Container Types Dedicated training Capability Management Training	Facility safety check	Security Policy and Screening	Interaction with packaging providers Dedicated SOP	Identification of new risks Definition of new critical control points Risk Mitigation	
Forecast and Quantity	Handling volumes - Loose - ULD Contingency - scenarios	Contingency - scenarios per flow - scenarios per quantity - scenarios per flights	Contingency - scenarios per flow - scenarios per quantity - scenarios per flights	- products flow - contamination - rotation - cut off times - contingency - dedicated SOP	Contingency - scenarios per flow - scenarios per quantity - scenarios per event types			Risk Ranking Update	
Time frame	TBD								



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PROJECT CHANGE MANAGEMENT CHARTER

1. Purpose
2. Project Objectives
3. Description
4. Deliverables and Requirements
5. Milestones
6. Risks
7. Opportunities
8. Functions involved
9. Budget
10. Criteria for assessing the success of the process

Project Charter

PROJECT CHARTER

Code	COVID 19 / Facility		
Title	New cool center pharma – phase 2		
Description	Construction of new pharma temporary storage		
Program			
Client	Internal	Reference	
Financial Sponsor		Reference	
Senior Executive		Reference	
Project Manager		Reference	

Purpose/justification of the project

Prepare all its own activities for the phases of definition, design, construction, qualification of the new pharma temporary storage area for COVID 19 vaccine distribution

Project Charter

PROJECT CHARTER

- Updating, defining, drafting of all the SOPs necessary for the different areas of relevance
- Qualification of the performance of the structure according to methods defined for the different areas of relevance

Deliverable and Requirements (High-level)

The project will see all the functions for the different areas within the Pharma Team represented here

responsibility:

Operations & Pharma: define the update of the current SOPs for the treatment and storage of the products.

Security and TAPA Standards: verify compliance with the coverage of the methodologies of control area and the goods

Management: evaluate any impacts on risk management; the company risk manager must act primarily with the RSPP and the company ASPP to integrate the mitigation and risk management actions in the field of Safety

Sales and Marketing: define the marketing methodologies deriving from the substantial doubling of space available for the management of temperature products.

Project Charter

PROJECT CHARTER

- HR & Training:** check any training needs for handling and products in the new facility; as ASPP the HR manager also has the task of interacting with the company RSPP for verification of compliance with safety regulations (both national and international law plus airport SMS)
- Facility & Purchasing:** check - in agreement with the solution providers - the technical methods of design, construction, work progress and release of the new center; facility and purchase manager must put in place (and possibly suggest) everything provided by the RSPP regarding Safety
- Legal & Claims:** verify the existing contracts with and the solution providers; from an initial analysis the services provided are already in line with what is already in place.
- Quality, Audit and Compliance:** Verify that the management and control methods of the new centre are harmonised and in line with what is already in place.
- Pharma Manager:** collaborates in all activities verifying the compliance of what has been produced with respect to CEIV requirements and the main guidelines; verification in consultation with the Business Intelligence office and the Management of current and forecast traffic data for the project.

Milestone

- September 2020: project start
- October 2020: Project draft delivery
- December 2020: finalization of the project
- 1st quarter 2021: Opening and using the new center

The project updates will be verified through meetings coordinated by Purchases area by area; the overall progress of the project will be verified within the management reviews already provided for by the internal QMS

Risks (high level)

- Safety – introduction of new storage areas
- Training – modification of operational management and storage lay-outs
- Facility – project follow up and centre qualification
- Sales & Marketing – station profile update and external communication

Opportunity (high level)

- Pharma COVID 19 Vaccines – increase in the scope of storage; increased positions for active hybrid and passive container management; improvement of cross contamination issues
- Operations – process optimization, SOP improvement
- Security & TAPA – secure overall products protection
- Sales & Marketing – innovation and increase in commercial management and sales capacity

Project Charter

PROJECT CHARTER

Functions involved and type of participation

As specified above, Pharma Team and Management

Total budget

To be defined

Criteria for assessing the success of the project

Compliance with project timelines and characteristics

Name	Construction of new pharma temporary storage		
Was	Rev:0	Revision and Date	01/09/2020
Written by	Role	Pharma Manager	Company
Approved by	Role	General Manager	Company



THE COOL CHAIN ASSOCIATION (CAA)

MEMBERS WORKSHOP

04th of November 2020 from 15.00 to 16.00 (CEST time)

During the webinar we will share with all the members the last CCA initiatives and ongoing fruitful collaboration with IATA. As per the moment we're living, the Webinar will have a special focus on the Vaccine issue, in particular we would like to share and discuss with all of you - in a very interactive way - following points:

- **Actual pharma and vaccines transportation experience**

How the pandemic situation and Airline capability reduction is impacting the pharma products and vaccines supply chain?
How Airports Communities and single stakeholders are re-organizing our own internal processes to guarantee the operation and the sustainability of the supply chain?

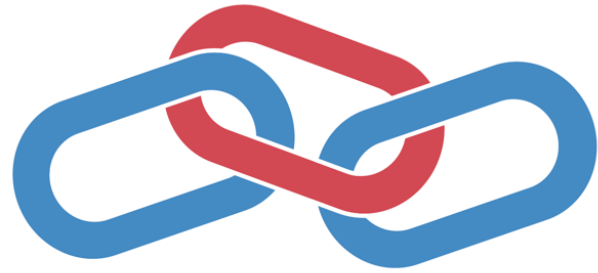
- **COVID 19 vaccines distribution - Scenarios exercises**

Which are the main aspects Airport Communities and single stakeholders are considering for the upcoming COVID 19 vaccine distribution?

Use of the Airports COVID-19 Distribution Change Management Matrix and dedicated Project Charters



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COOL CHAIN ASSOCIATION

Reducing food wastage • Reducing food born diseases • Improving shelf-life • Investing in clean mobility • Using sustainable equipment • Reducing inefficiencies • Improving reliability • Improving RTI's / Packaging • Improving transparency • Implementing new technologies • Stimulating new software • Bringing stakeholders together • Showcasing projects • Stimulating new initiatives • Interacting with Universities

COOL CHAIN ASSOCIATION

Thank you!

Nicola Caristo
CCA – Secretary General

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Wrap Up & Next Steps

Andrea Gruber
Head, Special Cargo
IATA



Supply Chain Possible Solution

COMMUNICATION



Working back in the logistics chain

Manufacturers



Road
Transport



Freight
Forwarders



Freight
Forwarders



Airlines



Airports



Origin
Ramp/Cargo
Handlers



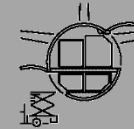
Origin
Authorities



Destination
Authorities



Destination
Ramp/Cargo
Handlers



Airports



Focus on industry readiness to manage globally a temperature-controlled supply chain for vaccines, health, and humanitarian supplies

Call-to-Action

- Information Sharing - Global Collaboration
- Plan - Prepare – Inform
- Engage and communicate on scale up projects and initiatives for better space and distribution planning
- Stay Tuned



Global Collaborative Pharmaceutical and Life Science Logistics and Distribution Approach

Set of considerations and awareness on large scale handling, transport and distribution of vaccines, pharmaceutical, life science and medical products.

Edition 1 – 22 September 2020



Question to the audience....
to unlock the answer!



From the challenges that have been outlined by the speakers what are the other areas you believe IATA should be addressing or getting involved in on behalf of the industry?

You can use reply at cargo@iata.org



Additional Outreach & Resources

Three-Part Webinar Series: Transport of Vaccines and Life Science Products by Air Cargo

This webinar series will explore the aviation industry's challenges with regards to the transportation of an eventual vaccine and explain the role that IATA standards in pharmaceuticals and other tools are playing in moving medical supplies in this extraordinary time

Webinar 2 - Global distribution and the flow of vaccines throughout the supply chain, 24 November / 14h00-16h00 CEST

Hear firsthand from transport and handling supply chain experts as they showcase actionable steps developed to achieve the upcoming vaccine distribution effort. Shipper, airline, ground handler, freight forwarder and regulatory agency will speak to specific initiatives being implemented, addressing foreseeable challenges along the temperature-control supply chain as well as collaboration and partnerships.

[REGISTER NOW](#)

Webinar 3 - Key learnings in the aftermath of the vaccine distribution effort & paving the way for the future, TBD

[REGISTER HERE](#)

Action Cargo: COVID-19



Enabling global trade

Airlines transport over 52 million metric tons of goods a year, representing more than 35% of global trade by value but less than 1% of world trade by volume. That is equivalent to \$6.8 trillion worth of goods annually, or \$18.6 billion worth of goods every day. Find out more [interesting air cargo facts](#) (pdf)

VISIT iata.org/cargo

Transportation of COVID-19 Vaccine



Air cargo plays a key role in the distribution of vaccines through well-established temperature-sensitive distribution systems, using cutting-edge technology and procedures.

This capability will prove crucial to the quick and efficient transport of COVID-19 vaccines once available. This will naturally require careful planning by every segment in the entire cargo supply chain to ensure full preparedness when vaccines for COVID-19 are approved and ready for distribution.

Supporting the industry

IATA offers solutions and services to support cold chain capacity and resources for the anticipated scale of transporting and distributing COVID-19 vaccines.

[CERTIFICATION](#) | [PUBLICATION](#) | [TRAINING](#) | [WEBINARS](#) | [ONESOURCE](#) | [CONTACT US](#)

VISIT iata.org/vaccine-transport

Thank you

- Please visit [iata.org/vaccine-transport](https://www.iata.org/vaccine-transport) to register for the upcoming webinars
- Please visit [iata.org/cargo](https://www.iata.org/cargo) for all COVID-19 resources

For further information, contact us at
cargo@iata.org

