

**RELABSA WORKSHOP: IMPLEMENTATION OF BIOSECURITY AND BIOSAFETY MEASURES IN
LABORATORIES
29-30 SEPTEMBER 2015 - TUNIS, TUNISIA**

General principles: ensuring safe and efficient transport of biological materials to and between veterinary laboratories



WORLD ORGANISATION FOR ANIMAL HEALTH
Protecting animals, preserving our future

Dr Alessandro Ripani
OIE Sub Regional Representation for North Africa
Tunis, Tunisia

TRANSPORT

Oie



A



B





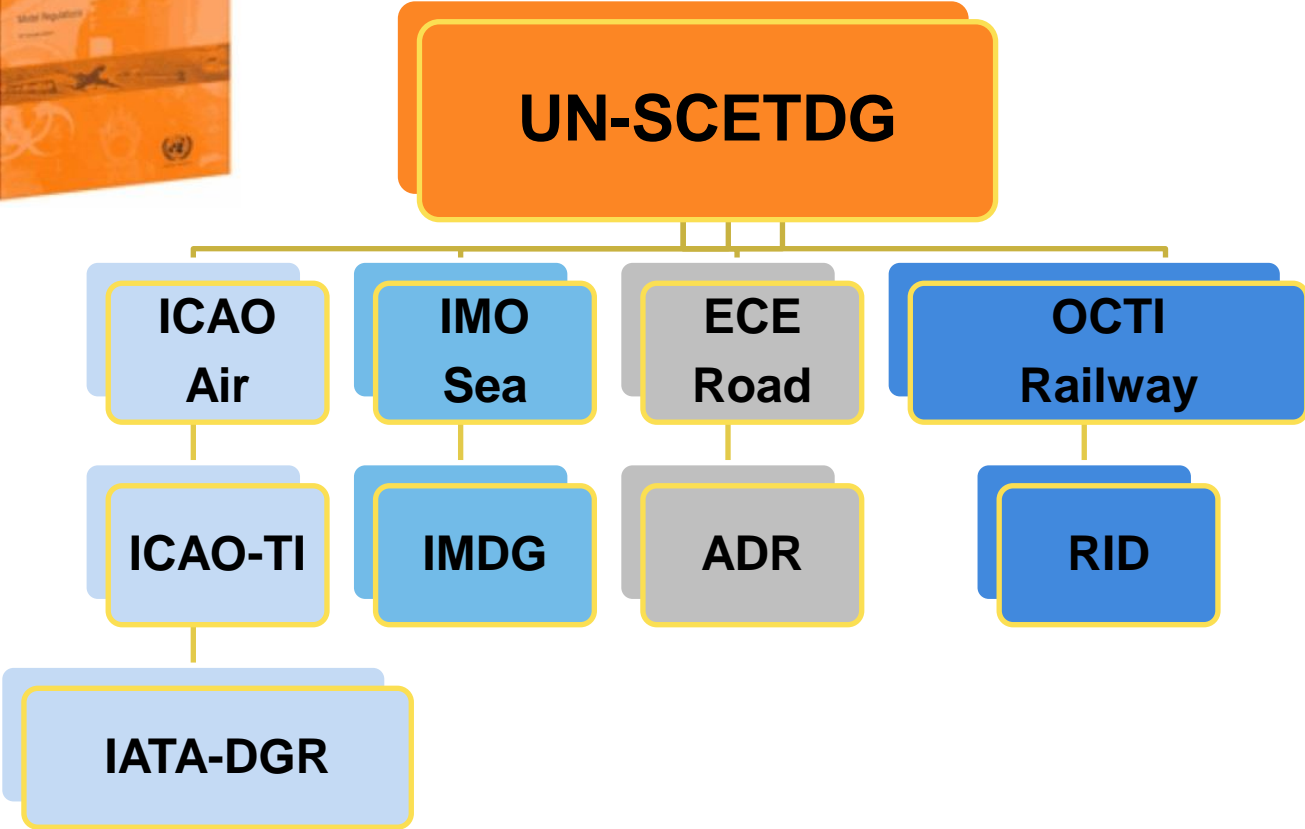
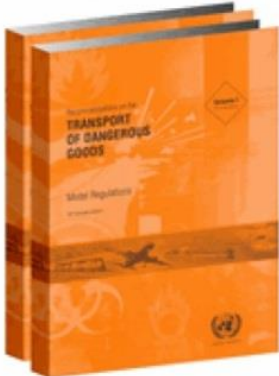
Road

Rail

Sea

Air

INTERNATIONAL REGULATIONS



INFECTIOUS SUBSTANCES



TRANSPORT OF INFECTIOUS SUBSTANCES



Infectious Substances

Category A

Biological products

Category B

GMO/GMMO

Exemptions

Medical or clinical wastes

Infected animals



TRANSPORT OF INFECTIOUS SUBSTANCES

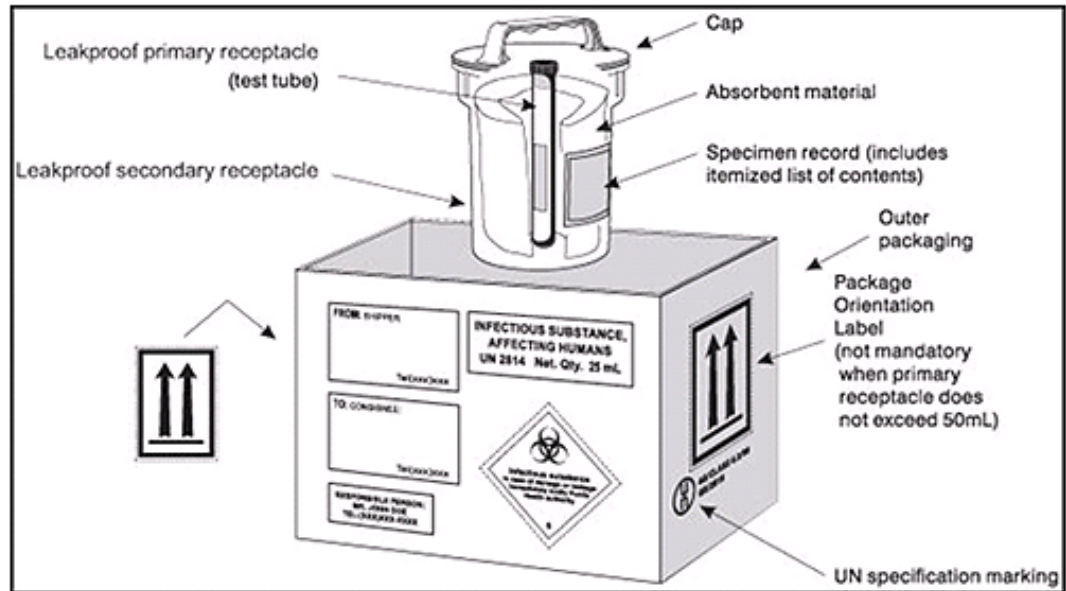


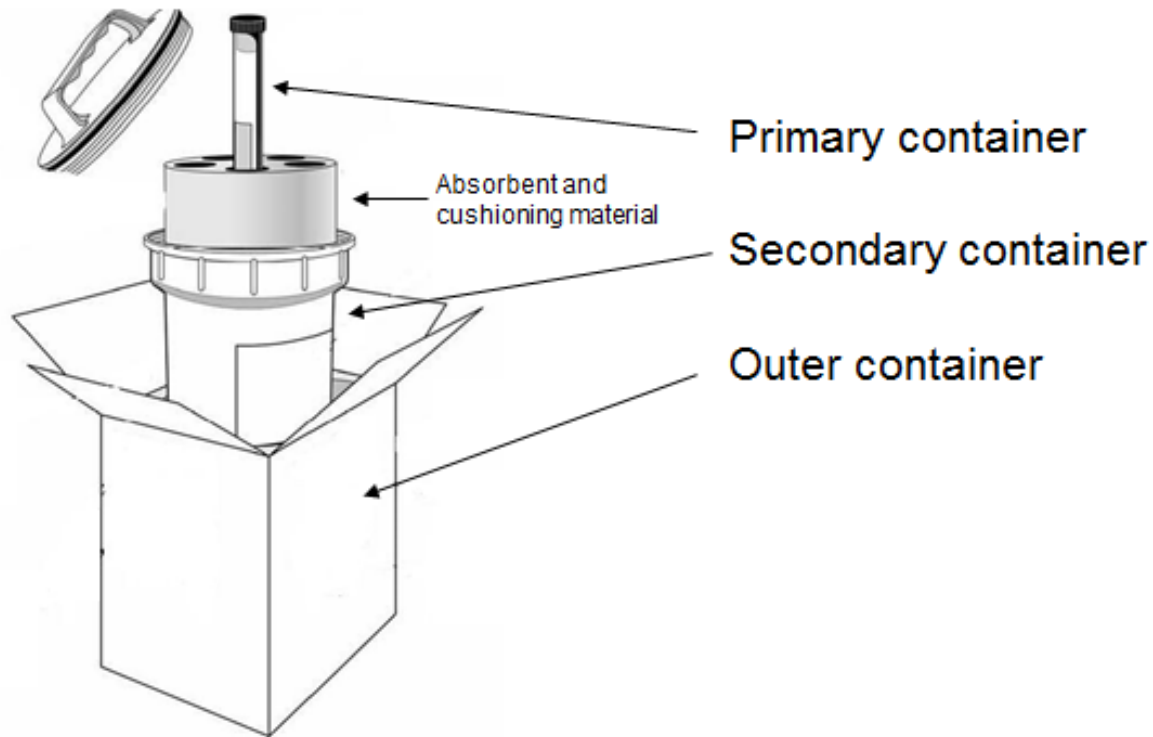
Image source: IATA Guidance Document, Infectious Substances, Annex 3, Montreal, Canada



TRANSPORT OF INFECTIOUS SUBSTANCES



In all cases triple packaging to protect the material and to avoid leak



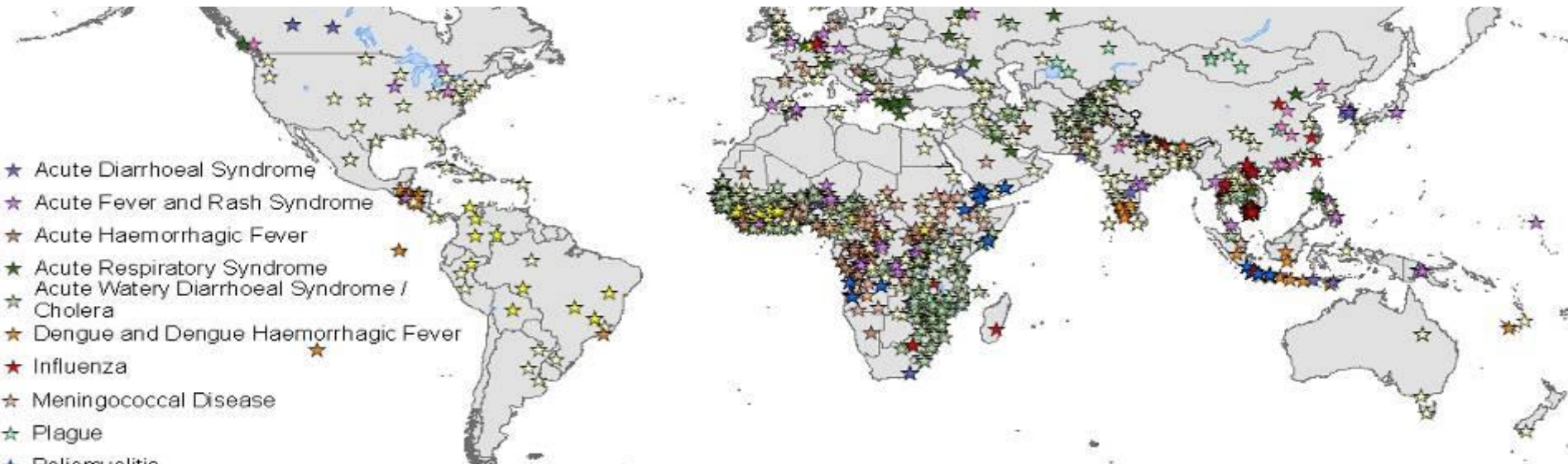
Average of 8 years outbreak response WHO

verified over 1700 and responded to over 190 events

Verified Communicable Disease Outbreaks
1 January 2001 - 30 September 2005



Efficient transport of Infectious Substances is a MUST



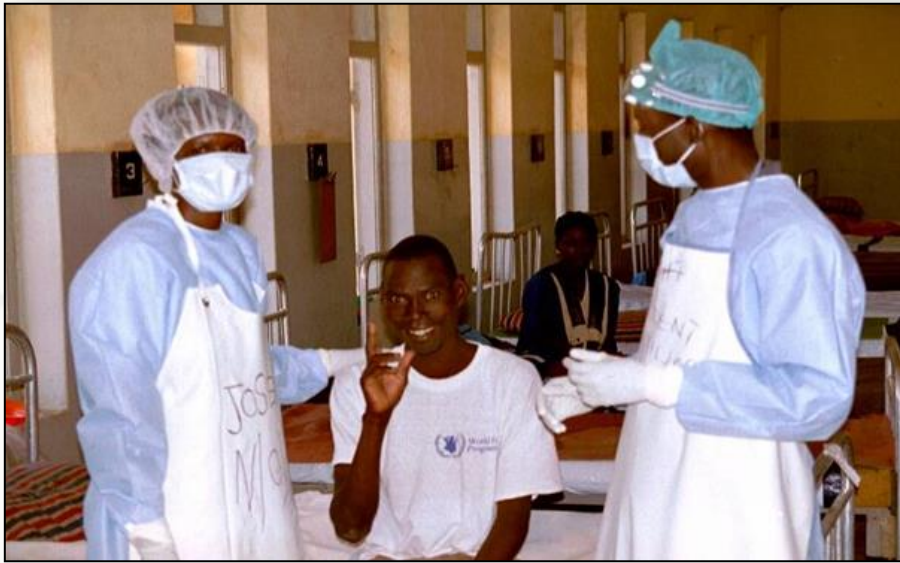
Some examples of when and where transport services are needed



Diagnosis is not always possible on site. Need to transport specimens to central labs



Only occasionally are field labs available for rapid diagnosis. Confirmation of diagnosis may have to be done elsewhere

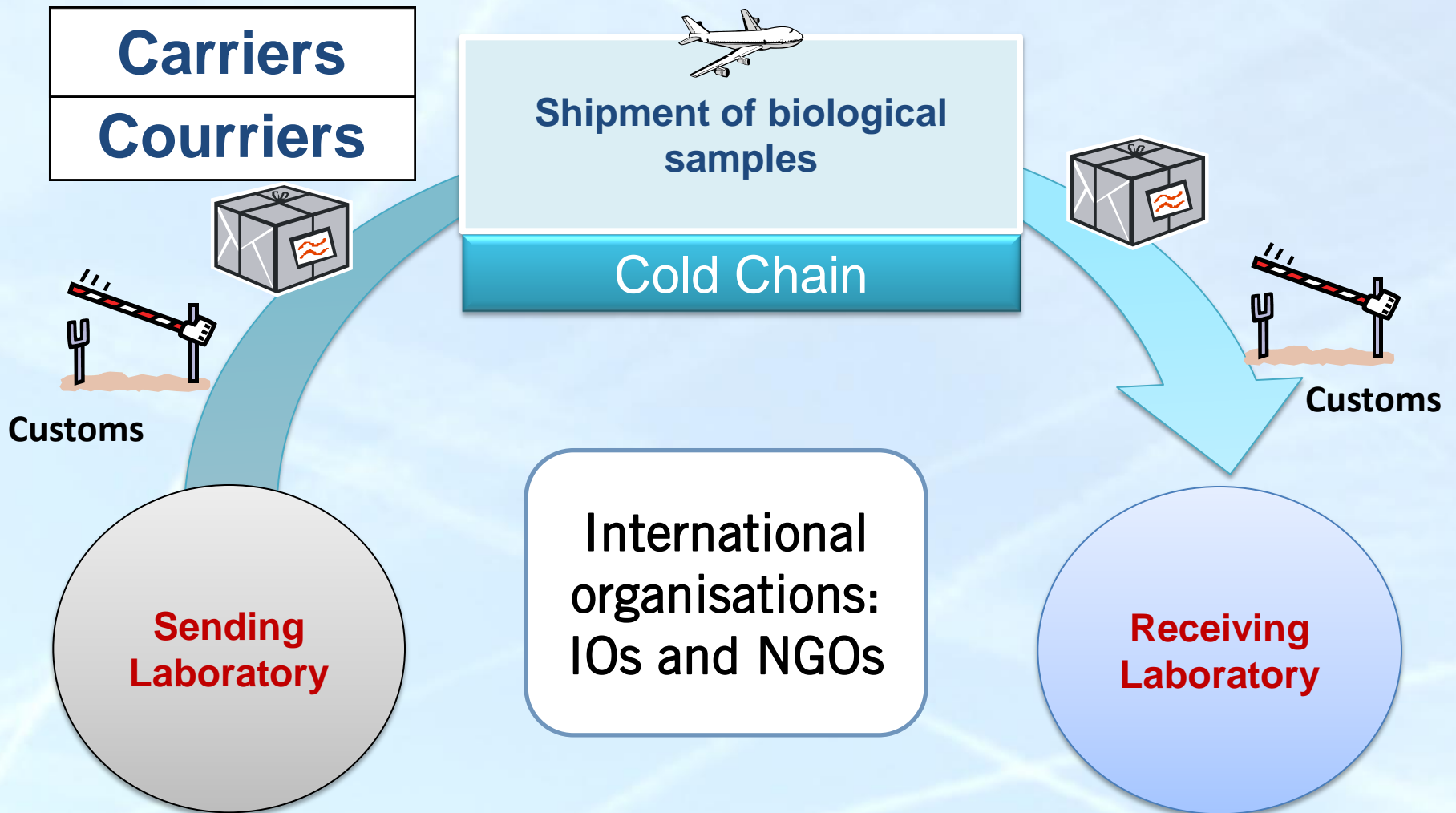


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© OIE/Dr Petr Vaclavek

Rapid diagnosis can help control outbreaks and reduce death toll and spread of the disease



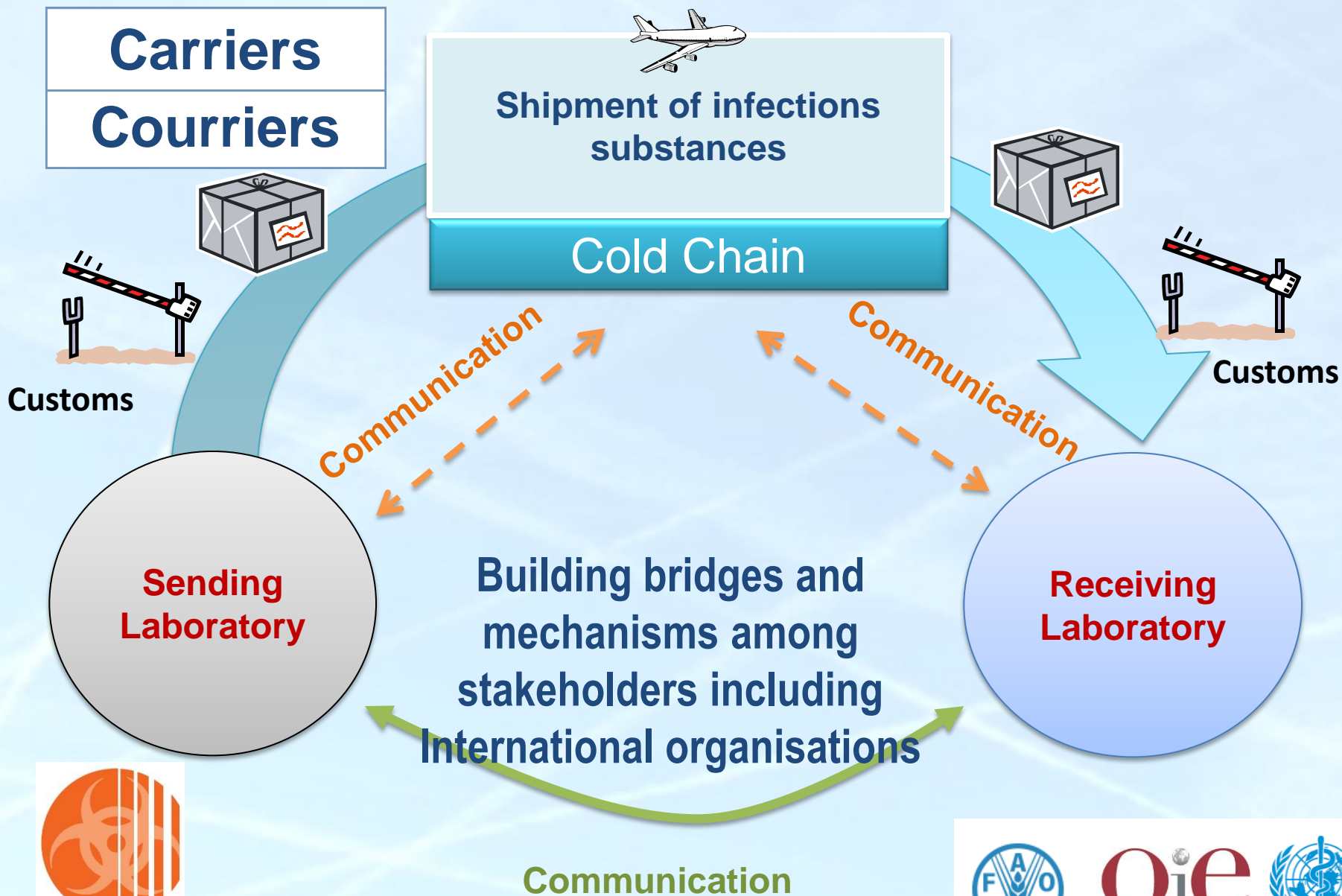
CHALLENGES OF THE PROCESS

- lack of awareness of the regulations
- lack of package suppliers
- lack of training opportunities (or too expensive)
- shipments too expensive
- shipment delayed with samples that have lost their viability
- box refused by the courier with no other alternative or by the pilot
- package destroyed by customs or border agencies



Raising awareness

Uniform training programme



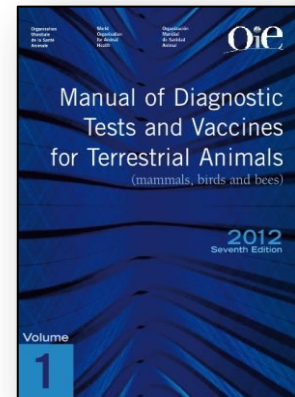
CURRENT INITIATIVES AT THE INT. LEVEL



WHO Guidance on regulations for the Transport of Infectious Substances



Chapter 1.1.2. of the OIE *Manual of Diagnostic tests and Vaccines for Terrestrial Animals*:
« Transport of specimens of animal origin »



CURRENT INITIATIVES AT THE INT. LEVEL

Recommended checklist for monitoring progress of IHR core capacity

8.4.8. Are there international air courier services (e.g. FedEx, DHL, Chronopost, etc.)?
 Yes No

Country level indicator	Development of IHR core capacities by capability level			
	<1 Foundational	1 Inputs and processes	2 Outputs and outcomes	3 Additional achievements
		Staff at national or relevant level trained for the safe shipment of infectious substances according to international standards (ICAO/IATA ⁸)	reference laboratory within the appropriate time-frame of collection Functional ⁹ system for collection, packaging and	investigation or exercise

8.4.8.1. If yes, are there agreements or memoranda of understanding with courier services for the safe shipment of hazardous samples (including biological substances)?
 No

Provide a list of courier services used:

Are you confident that your country is capable of handling transport media and triple packages for category A and B substances (including biological material) can be shipped internationally under the appropriate conditions?
 No Unknown Not applicable

Are you confident that your country is capable of handling transport media and triple packages for category A and B substances (including biological material) can be shipped internationally under the appropriate conditions?
 No Unknown Not applicable

8.4.10.1. If yes, how many staff have ICAO/IATA certificates⁴⁴ that are valid (expires 2 years after delivery or renewal): _____



CURRENT INITIATIVES AT THE INT. LEVEL



- WHO's training workshop on transport of Infectious Substances since 2008 for laboratory staff



- Electronic Refresher Training on the transport of Infectious Substances (eISST)



- **FAO/OIE/WHO Tripartite Alliance, since 2010:**
 - One of the areas of work is the transport of Infectious Substances
 - **Aim**: identification of the stakeholders / of the gaps and needs in the global transport system / engagement of all in improving the system
 - **Done or ongoing**: Training of trainers for FAO/OIE/WHO Staff in collaboration with IATA (April 2015) / communication with all the stakeholders is ongoing (Customs, carriers, relevant international organisations, etc.)



Coordination of efforts continues



Customs

Laboratories



IOs

NGOs

Carriers

Courriers

Thank you for your attention!



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