

Improving Public Health

Disaster Response

...Can be a Disaster within a Disaster

Georgia Tech
March 4-5, 2010

Nick Pacitti

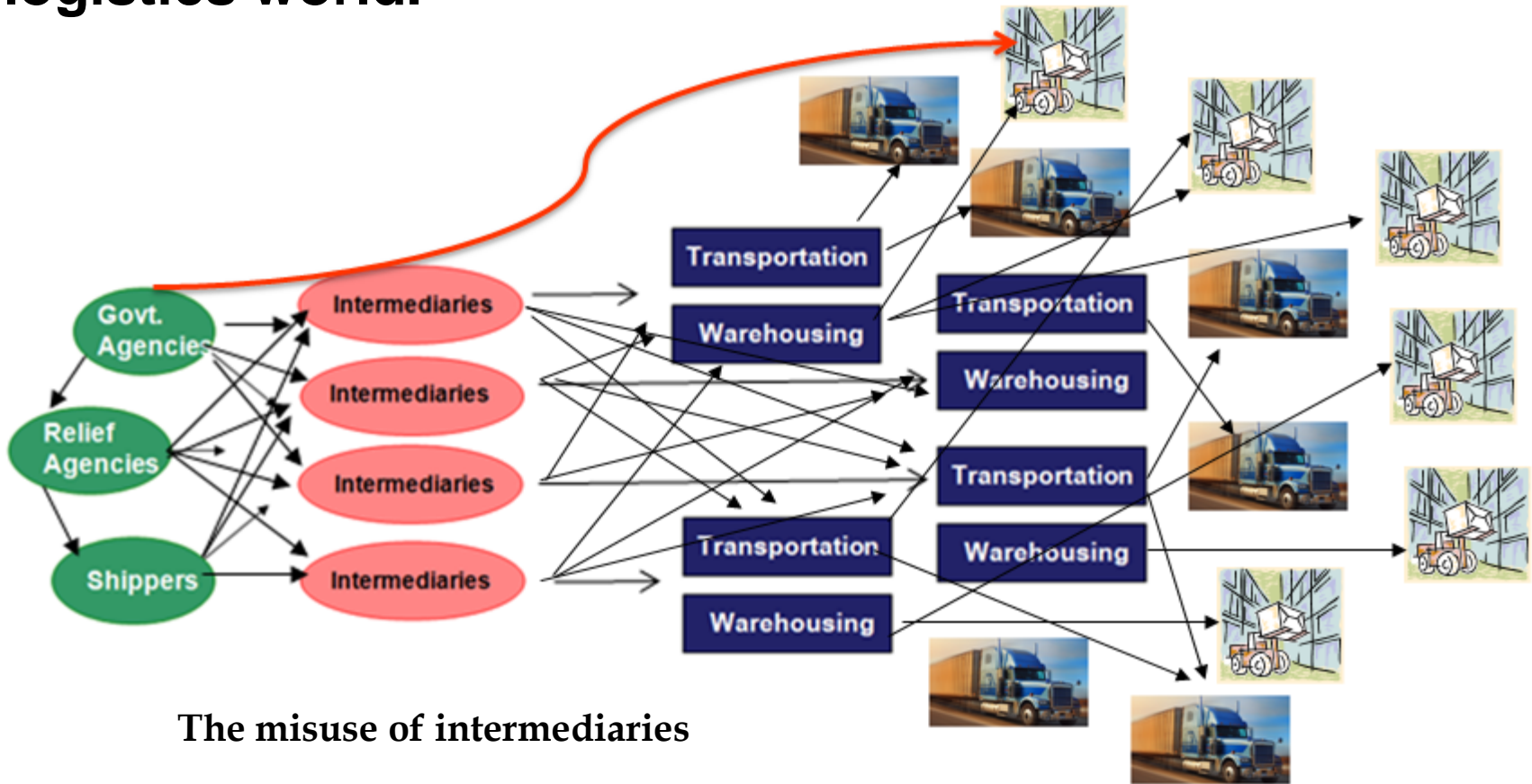
Discussion Points

- **Provide high level insights on logistical challenges in disaster response**
- **Focus on supply chain intermediaries**
- **Areas for further study and research**

There is a need for further research in analyzing and improving logistics systems under extreme conditions

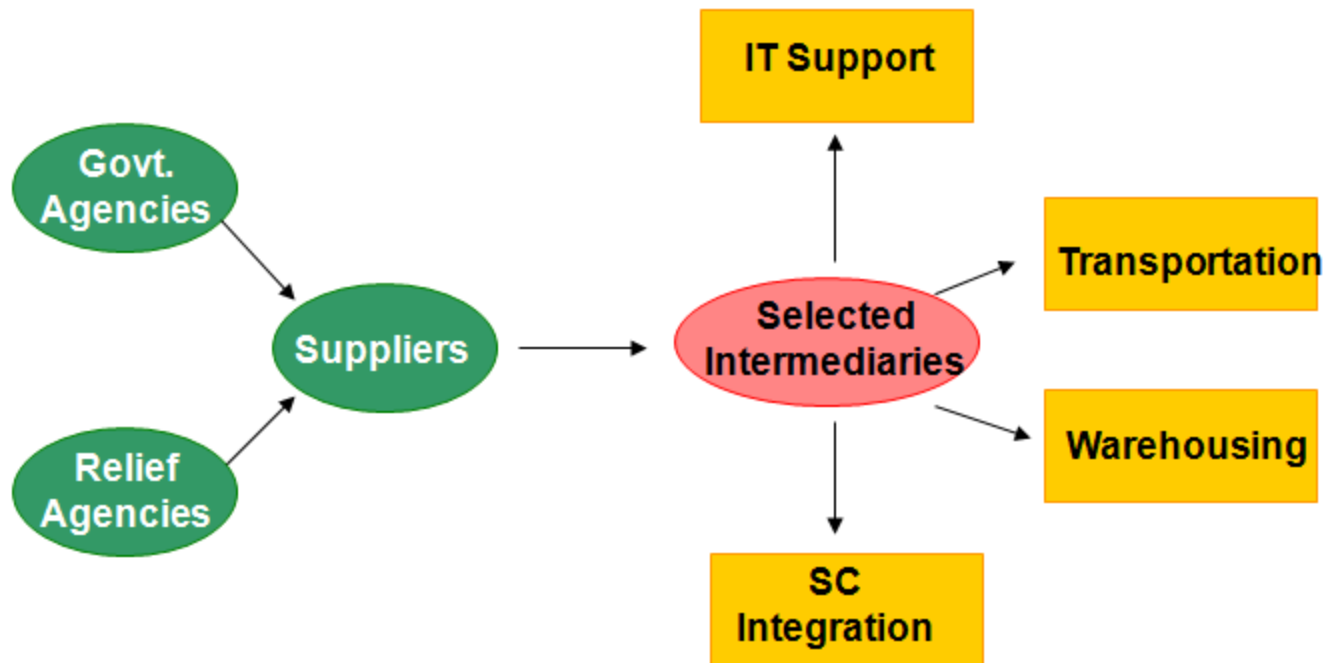
- **Extreme events pose serious logistical challenges to emergency and aid organizations - the disturbances they produce turn normal conditions into chaos**
- **The design of reliable emergency and support logistics systems is hampered by lack of knowledge about how supply chain members operate and interact**
- **Coordination of priority and non-priority goods continues to be a challenge**

The role of supply chain intermediaries is a focal point in improving responsiveness and efficiencies. If used properly, Intermediaries provide a window to the logistics world.



The misuse of intermediaries

With the sophistication of supply chain intermediaries information and product flows can be streamlined



We have more tools and quicker access to supply chain intermediaries for improved and more efficient response

Third Generation (2000 and beyond)

- Online marketplaces
- Web-based 3PLs
- Increasing supply chain integration

Second Generation (1980s - 1990s)

- Non asset-based companies
- Asset-based companies increased service offerings

First Generation (70s -80s)

- Transportation / warehousing
- Freight forwarders / brokers
- Shipper's agents

ALAN is a significant improvement in coordinating and responding to disasters – formed after the Katrina disaster

- **ALAN serves as a clearinghouse for supply chain expertise, products, equipment, and services**
- **ALAN uses advanced technology platforms in facilitating donations and logistics support for relief agencies**
- **ALAN creates an efficient process for providing the right goods and services in the right quantity, at the right location, at the right time**

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Third Generation Intermediaries

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NTE
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COMPANY SOLUTIONS EXCHANGE INFO EVENTS LOGIN TAKE A TOUR

poweringlogistics SM

Since 1995, NTE has been improving how companies buy, sell and manage transportation services. NTE's real-time procurement services and information management tools provide indispensable supply chain value and control for shippers and carriers.

FEATURES

- FreightMatrix, an i2 Subsidiary, Selects NTE for Exchange Services
- NTE Customer Profile: Toshiba International
- NTE Broadens Business Model; Unveils New Capabilities, Identity
- NTE Introduces Online Membership Process

TRIAL MEMBERSHIP
 Online Enrollment
 Sign Up

CURRENT NTE MEMBERS
 Login to Exchange

GoCargo.com ABOUT GoCargo

About GoCargo Member Services Industry News Service Provider Shipper

DEMO 1 2 3 4 5 6

WHAT IS GoCargo?
 Why Register?
 How it works

VALUES TESTIMONIALS IN THE NEWS JOBS ALLIANCES OUR INVESTORS MANAGEMENT

REGISTER NOW ENTER

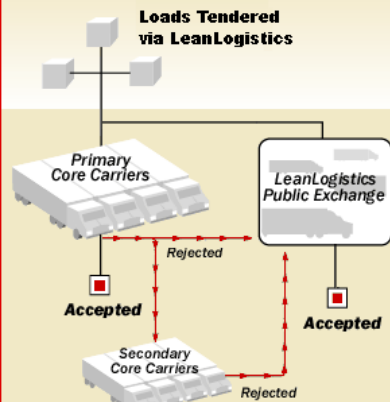
SERVICE PROVIDER
 Members can enter their personalized area of the Online Shipping Exchange through secure login, FREE, anytime at their convenience.

SHIPPER
 Members will immediately see all their activity in progress. They can also view their past activity.

Third Generation Intermediaries

Tendering Loads the Lean Way

LeanLogistics™ offers shippers and carriers end-to-end visibility, automation and accountability. What's more, these benefits are available immediately, without investment in new systems or software. Just follow the Life of a Lean Load and you'll quickly see this real time, web-based communications tool creates value every step of the way.



With different loads moving at different times to different places, communication between shippers and carriers can be a challenge with even the best relationship. Voice mail, mixed faxes and call backs make load tendering time consuming and inefficient. LeanLogistics™, however, creates a seamless communication process with common reference for all real time load information.

The shipper determines who has access to the load information, so they can tender directly to a private carrier or to the open exchange.



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TEST DRIVE >>>

NEXT STEPS > 3PLs

NEXT STEPS > Carriers



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Procurement
Carrier Member Login
Supplier Login

Shippers

- Service Packages
- Systems Technology
- Value
- Dense Network Efficiency™ System
- On-line Applications

Carriers

- On-line Carrier Suite
- Freight Network
- Carrier Profiles
- Procurement Application

Procurement Membership

- Procurement Program
- Procurement Membership Application
- Procurement Survey

Suppliers

- On-line Supplier Suite
- Supplier Application

Company News

Join over 219,146 trucks that have already applied for procurement privileges!!

ReTrans Precision Logistics

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Across the country.

From one load to one solution for every load, one company delivers complete transportation and logistics management.

Precisely the right carriers. Since ReTrans doesn't own any of the carriers we use, they don't own us. Only the truck lines that work the best for you, roll. Only the intermodal solutions that fit your needs, connect. Only the international capability you require, floats or flies. While our carrier network is vast and our scope global, our non-asset based approach allows us to focus on precisely one thing.



As we do in the food segment we have to continue to play out a host of scenarios in terms of probability and severity of occurrence

			Probability				
			Certain	Likely	Possible	Unlikely	Unknown
			A	B	C	D	E
Severity	Catastrophic Out of business	I	1	2	6	8	12
	Critical Severe Disruptions	II	3	4	7	11	15
	Moderate Sporadic Disruptions	III	5	9	10	14	16
	Negligible To be expected	IV	13	17	18	19	20
			Risk Levels				