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Maritime Logistics  
Innovation Center

# *Maritime Logistics Innovation Center*

*... A View From the Top*



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*Innovating Secure, Efficient Supply Chains*

# Overview

- GA Centers of Innovation Program
- How (and why) the Puzzle Fits Together
- Sample Current Collaborations



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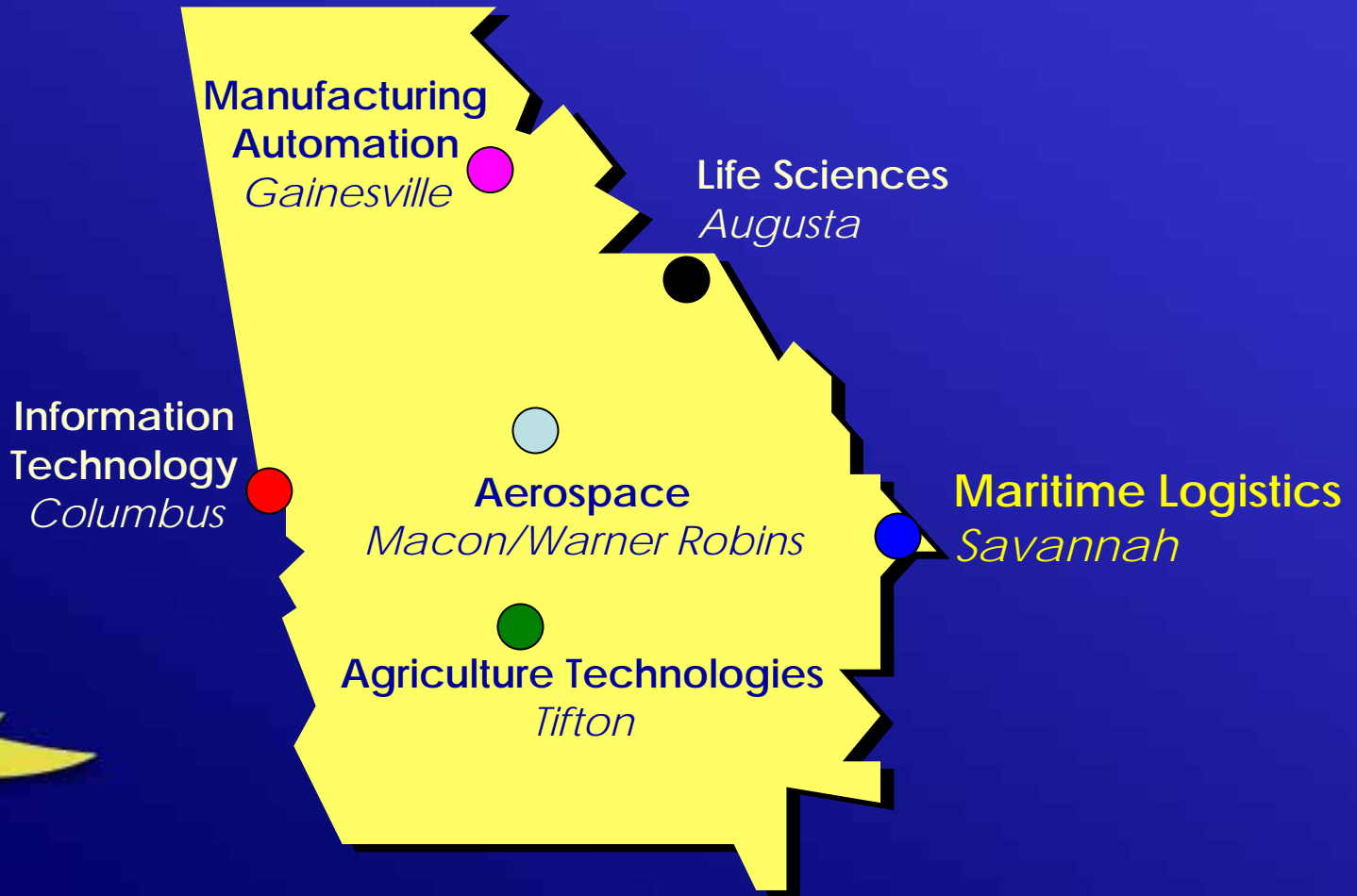


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# Georgia Centers of Innovation



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# HOW *the Puzzle Fits Together*



**Problem Holders & Problem Solvers**

**OR ...**



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# WHY *the Puzzle Fits Together*



*(in logistics)*

**Complexity & Fragmentation**

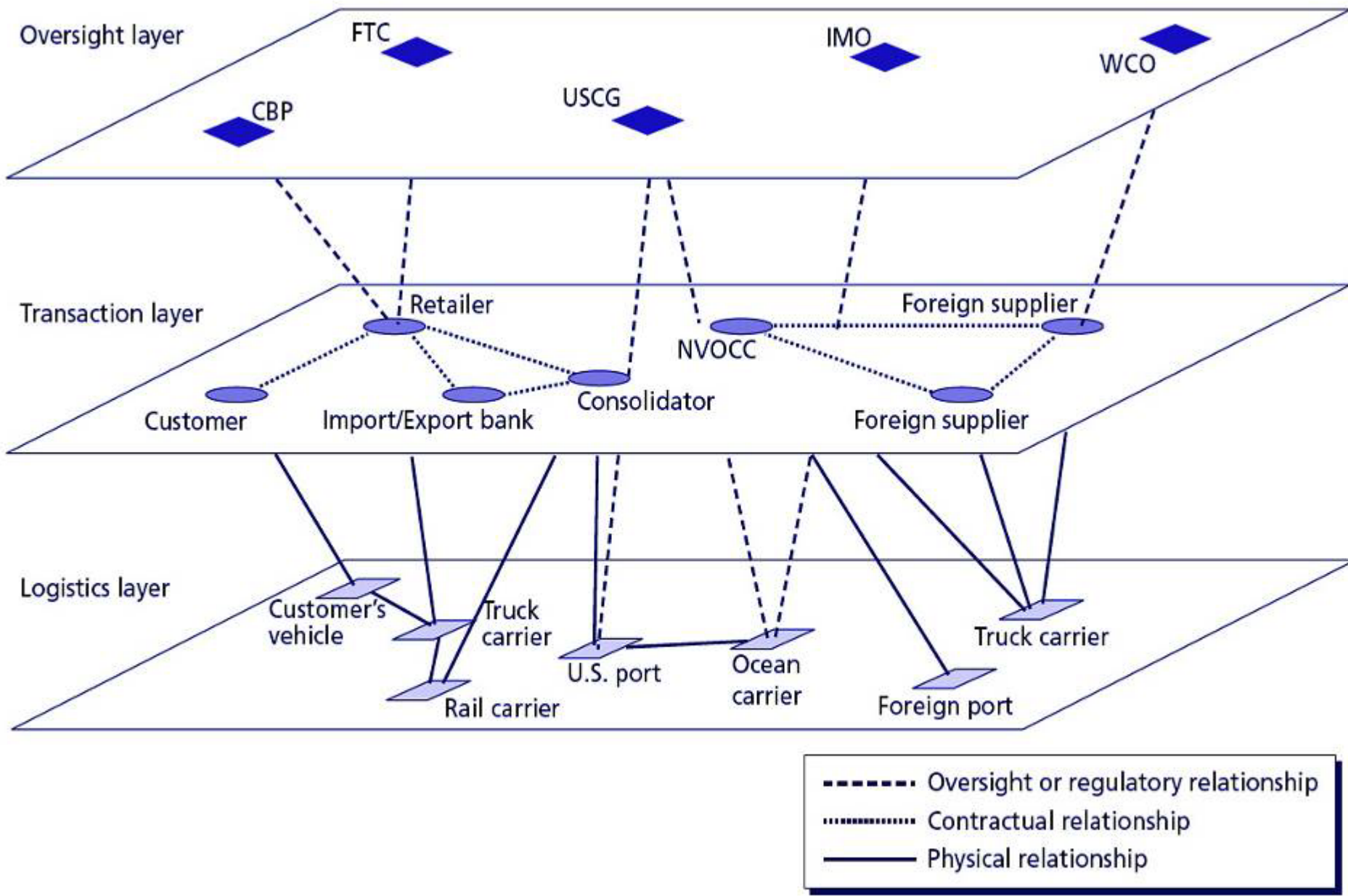
**OR ...**



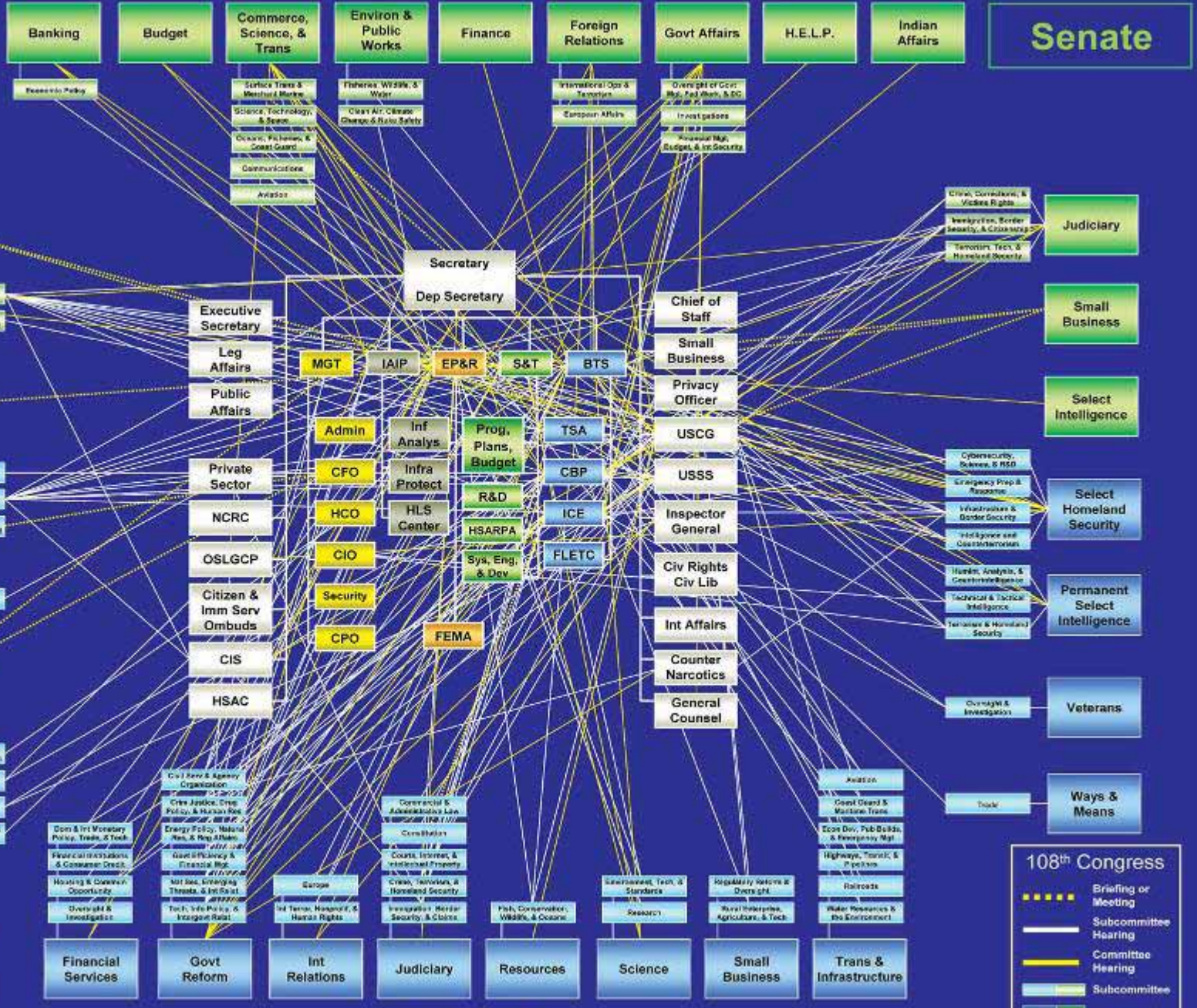
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FTC = Federal Trade Commission; CBP = U.S. Customs and Border Protection; USCG = U.S. Coast Guard; IMO = International Maritime Organization; WCO = World Customs Organization; NVOCC = Non-vessel Operating Common Carrier



# Department of Homeland Security

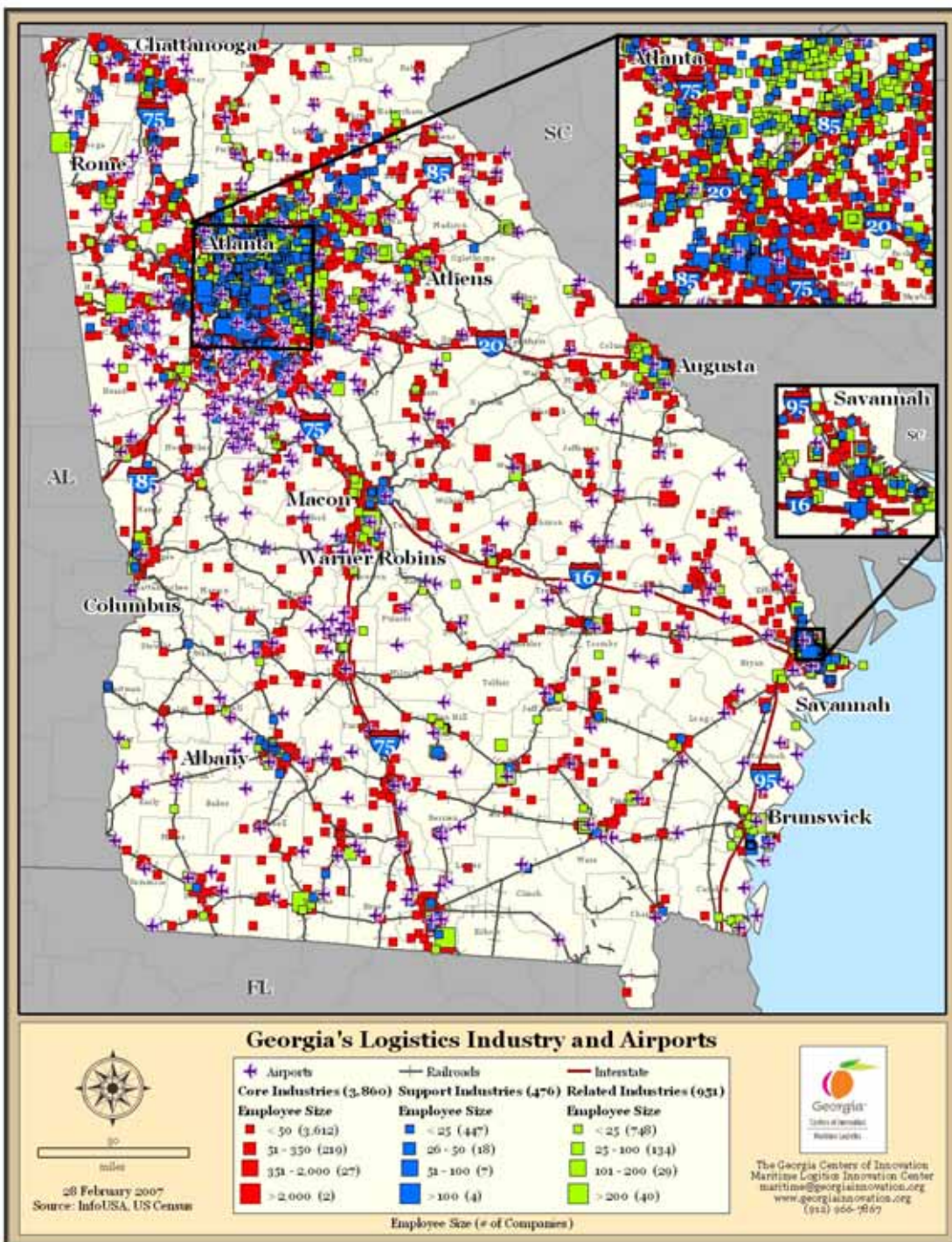
**108th Congress**

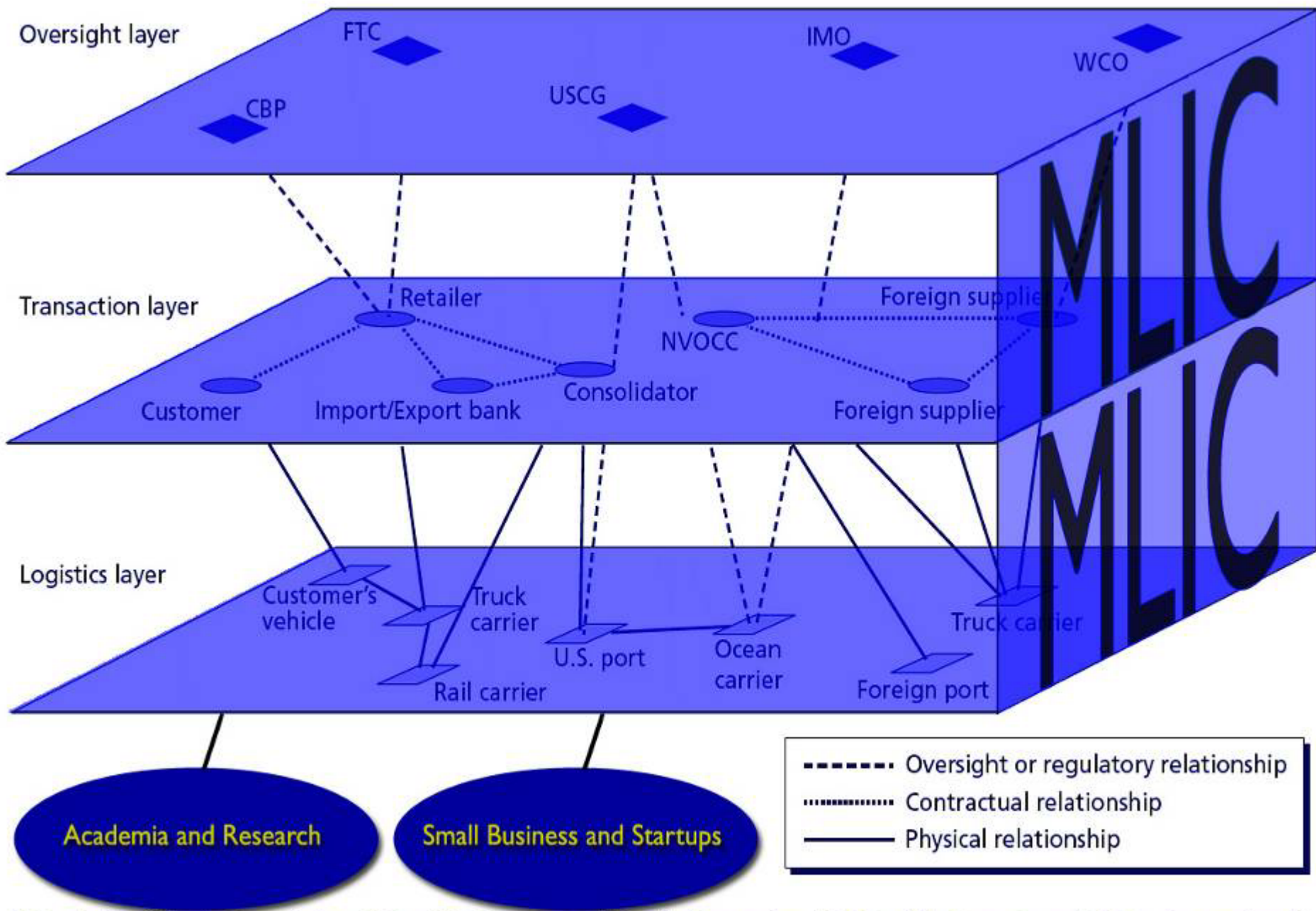
- ..... Briefing or Meeting
- Subcommittee Hearing
- Committee Hearing
- Subcommittee
- Committee

# Georgia's Logistics "Ecosystem"

**Total: 5,287**

(no "users" included)





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# *Current Collaborations and Focus*

**MLIC categorizes the general areas of greatest impact into:**

## **Security Integration**

*Efficient/Enhanced*

## **Information Sharing**

*Consolidation/Integration*

## **Asset Visibility**

*Location/Monitoring*

## **Operational Process Improvement**

*Visualization/Simulation*



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# *Key Drivers*

**1. VOLUME**

**1. VELOCITY**

**1. VISIBILITY**



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# Sample Current Collaborations

- **ATAMS**
  - *(Automated Terminal Asset Management System)*
- **Savannah River Domain Awareness**
  - *(Radar, Vision System, Wide Area Surveillance)*
- **SAVI Networks**
  - *(Container Security / e-Seals)*
- **SRSA**
  - *(Savannah River Security Alliance)*



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*The way it is now... a quick run through*



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*Singapore Does It...*



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# *Sample Current Collaborations*

## *Automated Terminal Asset Management System*

- OCR at truck gates, rail and cranes
- RFID for all OTR vehicles
- WIFI covering entire 1,400 acres
- Position detection system for containers



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# Sample Current Collaborations



**BARCO**  
Home | Traffic Image | Track list | Configure | User configuration | Logout

VistaScape  
Barco VTS-Web

List of ships

	211214550	HELGOLAND	
	304272000	CITY OF STUTTGART	
	247697000	SMERALDO	
	3 JACK		
	304140000	KARIN LEHMANN	
	211235181	SAR ARKONA	
	711767009	JENNY IX	
	273499030	MURMANSK	
	564338000	FIGARO	
	266028000	MT BIT OKTANDA	
	311767000	5VEALAND	
	711767010	JENNY X	
	211233680	IRMGARD	
	212086000	INGENIER LUPICHEV	
	211219500	WALTHER HERWIG III	
	211203330	SEEFALKE	
	235542000	MAKE D	
	711767007	JENNY VII	

Search Track

Searchings:  Search

Views  
(No preconfigured view available.)  
save current view

Barco  
VistaScape  
El Paso Energy  
USCG ...

Overview

Map showing various ships and navigation aids in a harbor area.

Details

MMSI	211235181	Name	SAR ARKONA
IMO number	7744124	Length	200
Beam	26	Draught	0
Latitude	50° 02' 21" N	Longitude	3° 01' 55" E
Heading	1	Speed	3.6 kn
Destination	PORT OF CALL	ETA	
Arrival date		Status	

Hutchinson Island

savannah.GA

Coleman Island

Dough

Fig Island

Barnwell Island Number 2

Elba Island

Hog Island

Radar and Vision System S



Oatland Island

Bird Island

© 2005 Google



Whitemarsh Island

© 2007 Europa Technologies  
Image © 2007 DigitalGlobe

Pointer 32°05'07.99" N 81°00'29.94" W elev 3 ft

Streaming ||||| 100%

Eye alt 18783 ft



# *Current Collaborations and Focus*

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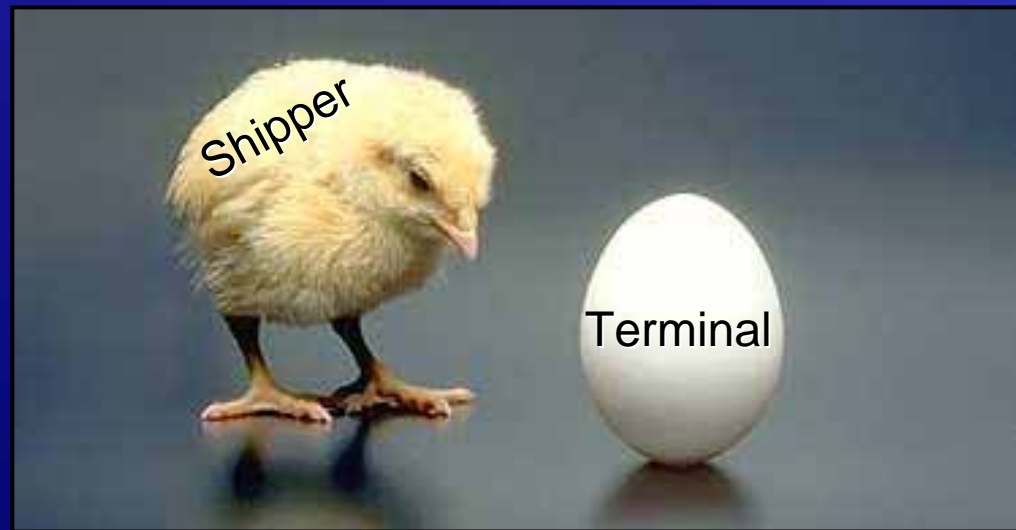


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- HSARPA Grants (two of them...)
- DHS Grants (9 of them...)
- Many companies with MANY ideas



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# *Sample Current Collaborations*



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# Sample Current Collaborations



**26  
Marine  
Terminals and  
Facilities**

\*

**Many  
Advisory  
Members**

\*

**MOU's &  
NDA's**



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## Company Name

Atlantic Wood Industries
Citgo Asphalt Refinery
Colonial Terminals, Inc.
Conoco Phillips
East Coast Terminal
Georgia Pacific Gypsum
Georgia Power Plant Kraft
Georgia Power Plant McIntosh
Georgia Ports Authority
Global Ship Systems, LLC
Imperial Sugar Refinery
National Gypsum
Newport Terminal Georgia
PCS Phosphates
River St. River Boat Company
Savannah Intl. Terminal
Savannah Steel (GA Recyclers)
Southern LNG
Southern States Phosphates
Valero-Savh Refined Products Terminal
Vopak

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# Sample Current Collaborations



- Voice Interoperability
- Information Sharing & Data Collaboration
- Savannah River Intrusion Network



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*Questions?*

**Thank you!**

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