

# THE LOW CARBON COOL CHAIN

*Brought to You by Chamber of Eco Commerce*



## **Background and Overview**

The Low Carbon Cool Chain (LCCC) Initiative 2012-16 grew out of a highly collaborative partnership between the Chamber of Eco Commerce, and a group of committed companies, and specialized organizations dealing with the challenges of cool chain. Launched at the founders summit in Atlanta in May 2009, it is designed as a private-public initiative with a focus on developing low carbon cool chain shipping and transportation solutions, practices, and strategies, to contribute positively to the emerging cool chain challenge. The LCCC will seek to engage a critical mass of companies from around the world, willing to undertake efforts, in partnership with other stakeholders, to address cool chain challenge. Whenever possible, this initiative will coordinate efforts and partner projects and work with existing programs – both local and global – in order to maximize impact.

## **How to Join**

The LCCC seeks to build an international movement of committed companies, both leaders and learners. The initiative is open to qualified companies and requires the endorsement of a company's Chief Executive Officer, or equivalent. Companies that join the LCCC commit to pursuing the implementation of the framework's core elements for Low Carbon Cool Chain management, and report progress annually. A company wishing to join the LCCC **Founders Meeting in Atlanta, May 10, 2012**, should indicate their interest by submitting a request to CEC Administrator: [Minna.LeVine@ChamberofEcoCommerce.com](mailto:Minna.LeVine@ChamberofEcoCommerce.com)

## **About the Low Carbon Cool Chain (LCCC)**

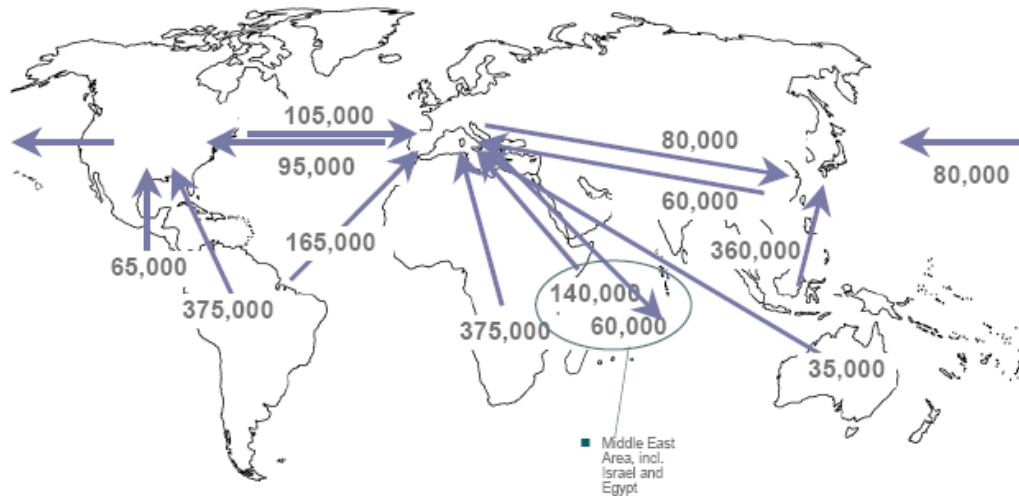
This a call to companies to voluntarily align their operations and strategies to take actions in support of LCCC goals. Endorsed by chief executives, the LCCC is a leadership platform for the development, implementation, and disclosure of responsible corporate practices and policies. Launched in 2012, LCCC is first initiative in the world with key focus on Low Carbon Cool Chain: [www.chamberofecocommerce.com/partnerprojects/lowcarbontransport.html](http://www.chamberofecocommerce.com/partnerprojects/lowcarbontransport.html)

## **Markets**

Food and Beverage; Pharmaceutical; Clinical Trials & Diagnostics; Biotechnology Research; Environmental samples; Semi conductors; Petroleum products; Bioterrorism defense; Surface coatings; Nuclear and radioactive materials; Aerospace; Military materials; Super conductive materials.

## **Low Carbon Shipping and Transport**

<http://www.chamberofecocommerce.com/partnerprojects/lowcarbontransport.html>



Source: Boeing, YDL, ITC Stats, FAO, USDA, Airports Data, Customs, Kaiser Associates, Lufthansa Consulting

### Estimate of worldwide perishable flows 2005 in tonnes

Today, up to 40% of perishable products are wasted/spoiled between production and reaching the consumer. Perishables transportation market is estimated to grow despite the economical slowdown. Many countries would like to become more engaged in the production of perishable products for export but for now lack adequate transportation solution. Cool Chain market is growing fast - at 19% in U.S. and EU, 50% in Asia, and 33% in the rest of the world.

### Cool Chain Challenges Are Ranked Very High Within Many Verticals

Food and Beverage; Pharmaceutical; Airlines; Logistics; Transportation; Health; Organ Transport; Restaurants; Kitchens; Grocery stores; Defense; First Response.

### Key Challenges

True pressure to reduce energy consumption; Risk; Changes in legislation; Higher quality standard demands particularly in the food and health industry.

### Partner Projects

- [www.LowCarbonCoolChain.com](http://www.LowCarbonCoolChain.com)
- [www.LowCarbonColdChain.com](http://www.LowCarbonColdChain.com)
- [www.CoolChainIntelligence.com](http://www.CoolChainIntelligence.com)
- [www.ColdCargoSystems.com](http://www.ColdCargoSystems.com)
- [www.CoolChainAlert.com](http://www.CoolChainAlert.com)
- [www.ColdCargoIntelligence.com](http://www.ColdCargoIntelligence.com)
- [www.NationalFoodHub.com](http://www.NationalFoodHub.com)

### Links

- [http://www.chamberofecocommerce.com/images/Temperature\\_Controlled\\_Cold\\_Chain\\_Jan\\_2012.pdf](http://www.chamberofecocommerce.com/images/Temperature_Controlled_Cold_Chain_Jan_2012.pdf)
- [http://www.chamberofecocommerce.com/images/Cold\\_Chain\\_Challenges\\_in\\_Emerging\\_Markets\\_Jan\\_2012.pdf](http://www.chamberofecocommerce.com/images/Cold_Chain_Challenges_in_Emerging_Markets_Jan_2012.pdf)
- <http://www.chamberofecocommerce.com/partnerprojects/inlandwaterways.html>