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## ICT in Supply Chains

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# ICT in Supply Chains

Edward Sweeney



Supply Chain Management  
Centre of Excellence



Waveform/CILT “Smart Work in the Warehouse” Seminar

# Agenda

1. **NITL**
2. **SCM and its Role in Cost Optimisation**
3. **The Role of Technology**
4. **Some Concluding Remarks**

# Agenda

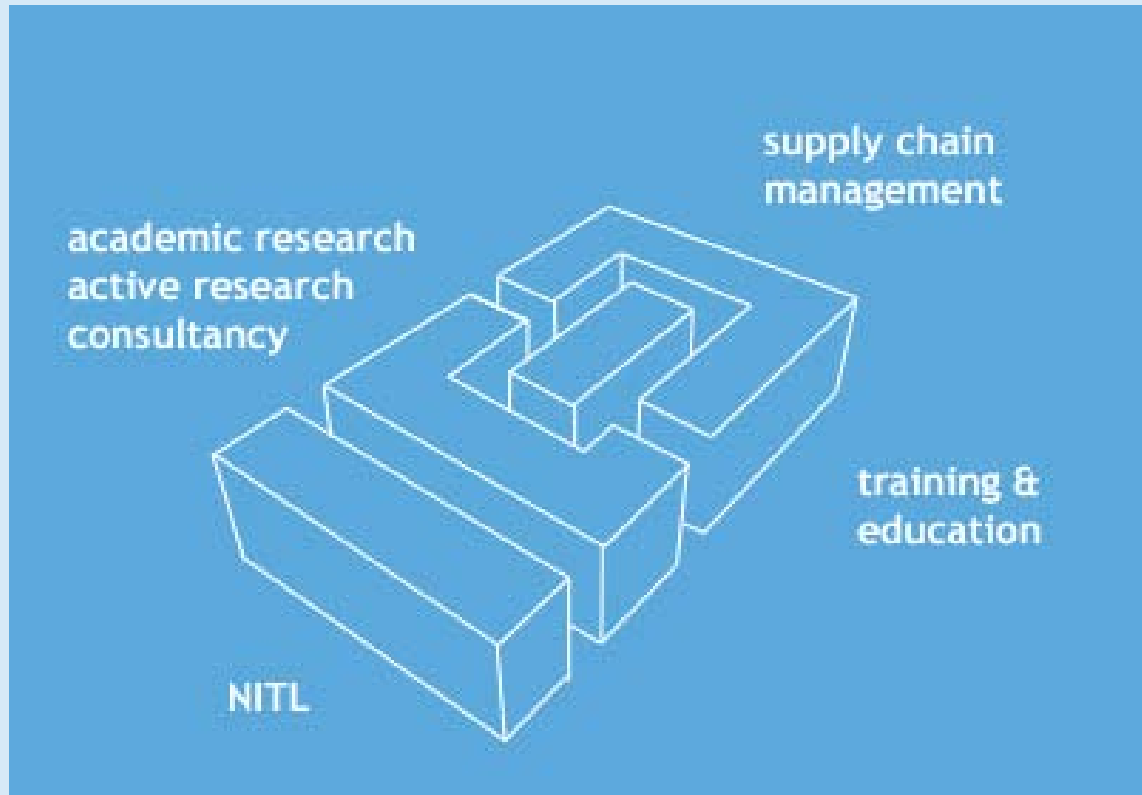
- 1. *NITL***
- 2. SCM and its Role in Cost Optimisation**
- 3. The Role of Technology**
- 4. Some Concluding Remarks**

# National Institute for Transport and Logistics

- Report “World Class to Serve the World”
- April 1998
- National Centre for Supply Chain Excellence
- Based in the College of Engineering and Built Environment at the DIT



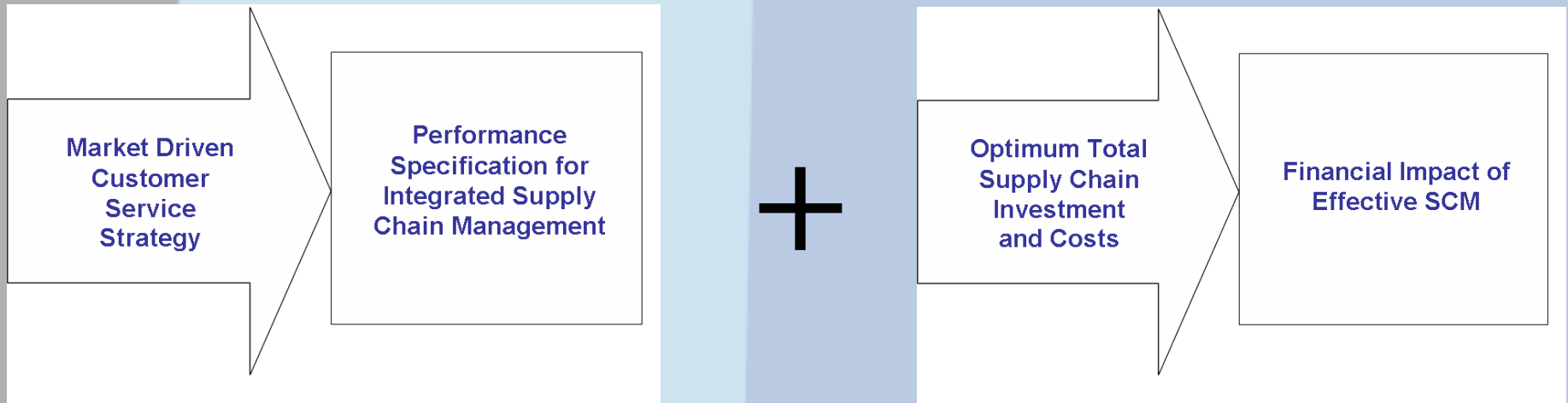
# NITL Structure and Activities



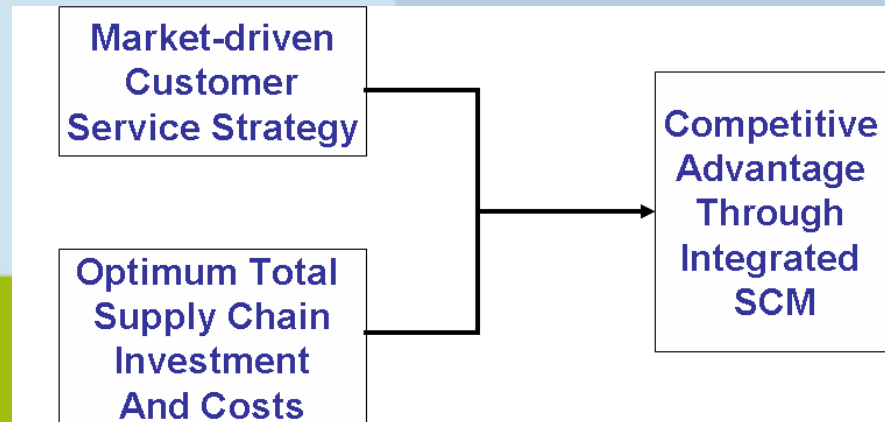
# Agenda

1. NITL
2. *SCM and its Role in Cost Optimisation*
3. The Role of Technology
4. Some Concluding Remarks

# World Class Supply Chain Management



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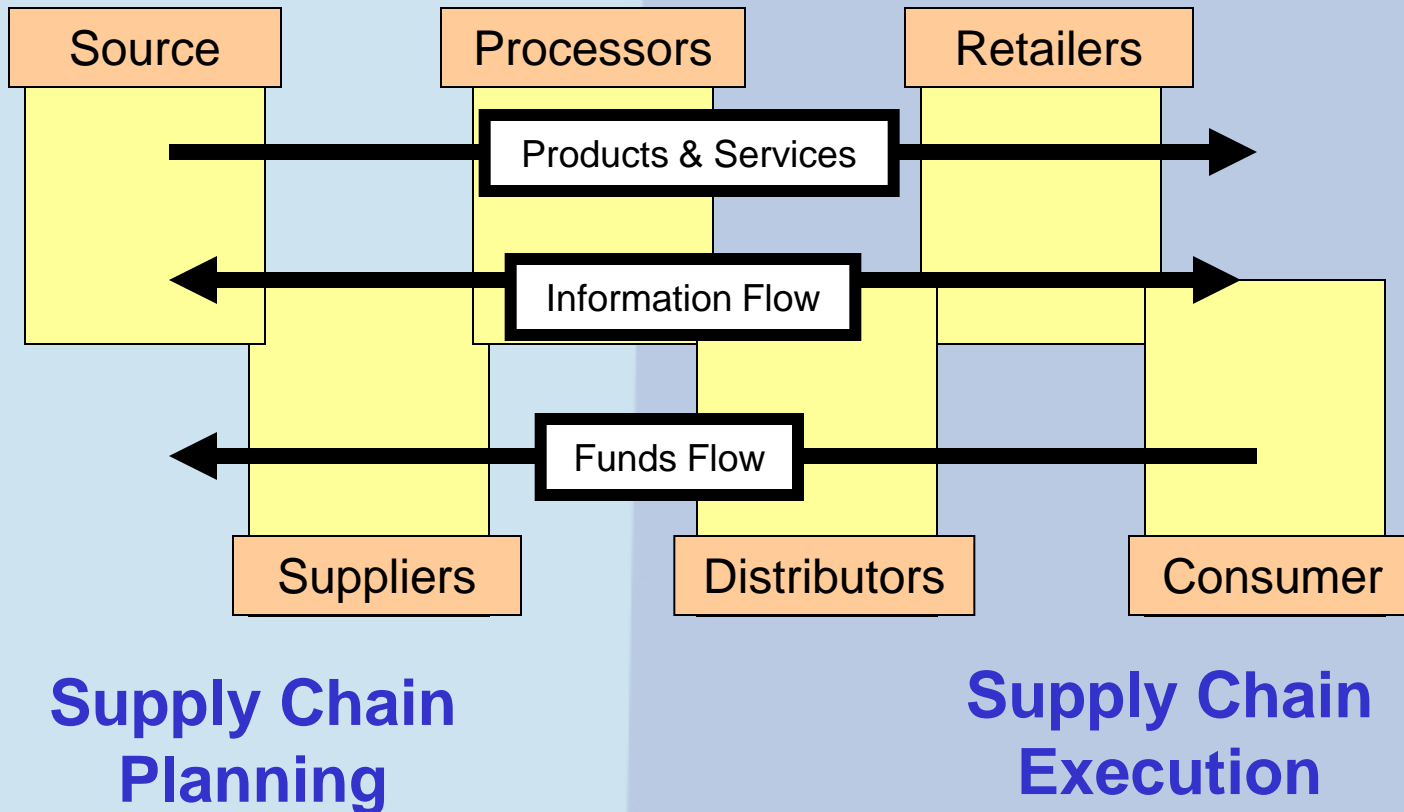
# Characteristics of SCM Excellence

- Identification and measurement of customer service because *customer service 'sets the spec' for SC design*
- SCM a senior management function because *SCM is a strategic activity*
- Establishment and measurement of supply chain KPI's because *what gets measured gets done!*
- Integration of supply chain activities and information because *many supply chain NVAs are caused by fragmented supply chain configurations*

# Agenda

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# Information Management in the SC



# Managing Information Flows

## ***EFFECTIVE ICT IS A KEY SUCCESS FACTOR***

- Information as the basis of supply chain control
- The role of ICT in supply chain integration
- Inventory visibility
- Track and trace
- eBusiness

# Agenda

1. **NITL**
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# Concluding Remarks

- Rapid developments in technology are now occurring
- The correct implementation of this technology has the potential to enhance competitiveness
- To realise the maximum benefits from technology it should not be implemented in isolation, but rather as part of integrated approach to total supply chain design and management
- People and training are essential to success
- Innovative approaches to ICT deployment in transport and logistics companies
- Competitive advantage will originate from developing creative information technology strategies and implementing them superbly



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