

A map of East Asia, including Japan, Korea, and parts of China, is shown in green against a light blue background. A small red dot is located on the main island of Japan, indicating the location of the conference. The title text is overlaid on the map.

In Search of Archetypes of Supply Chain Systems

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A light blue map of East Asia, including the Korean Peninsula, Japan, and the Philippines, is visible in the background. A white rectangular box with a thin black border is positioned in the upper center of the slide.

Problems in Education of SCM & SCS

Too many problems, complex.

They don't look like ours.



Solutions;

Typical Reasons

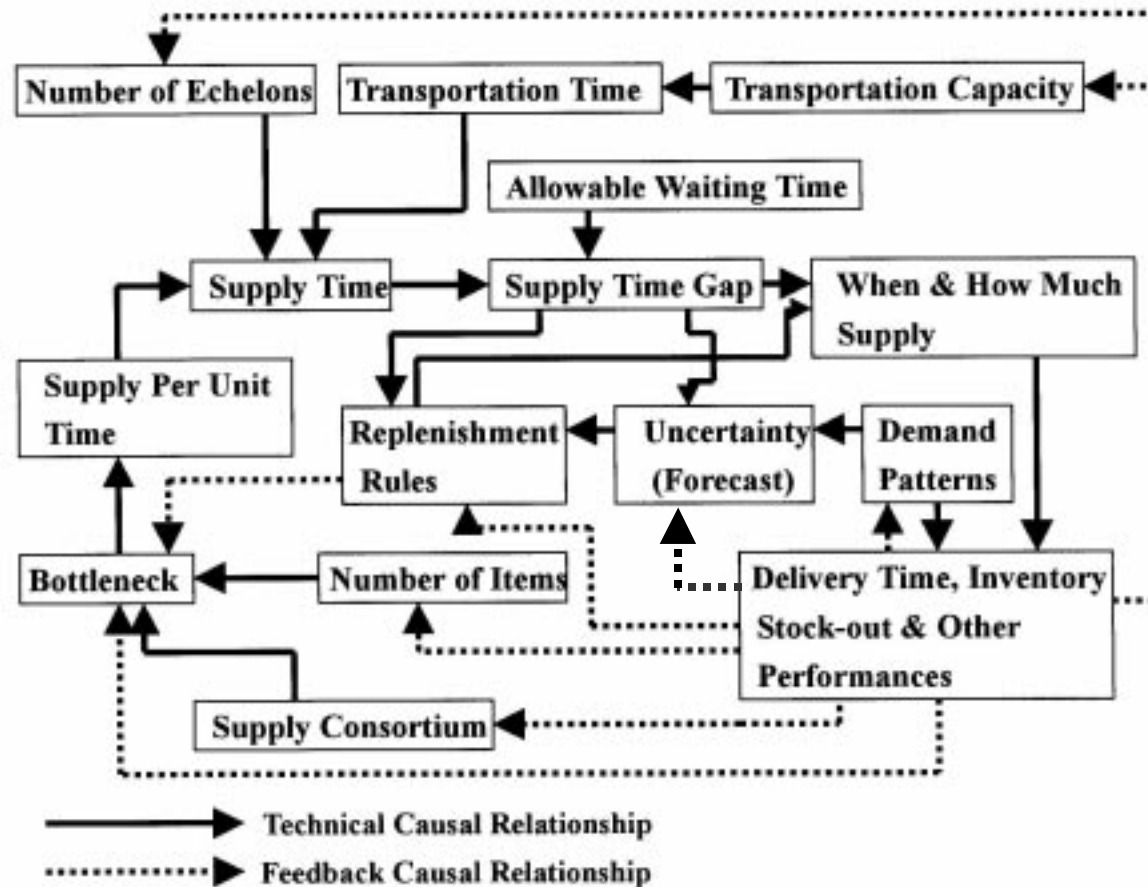
Appropriate Viewpoints



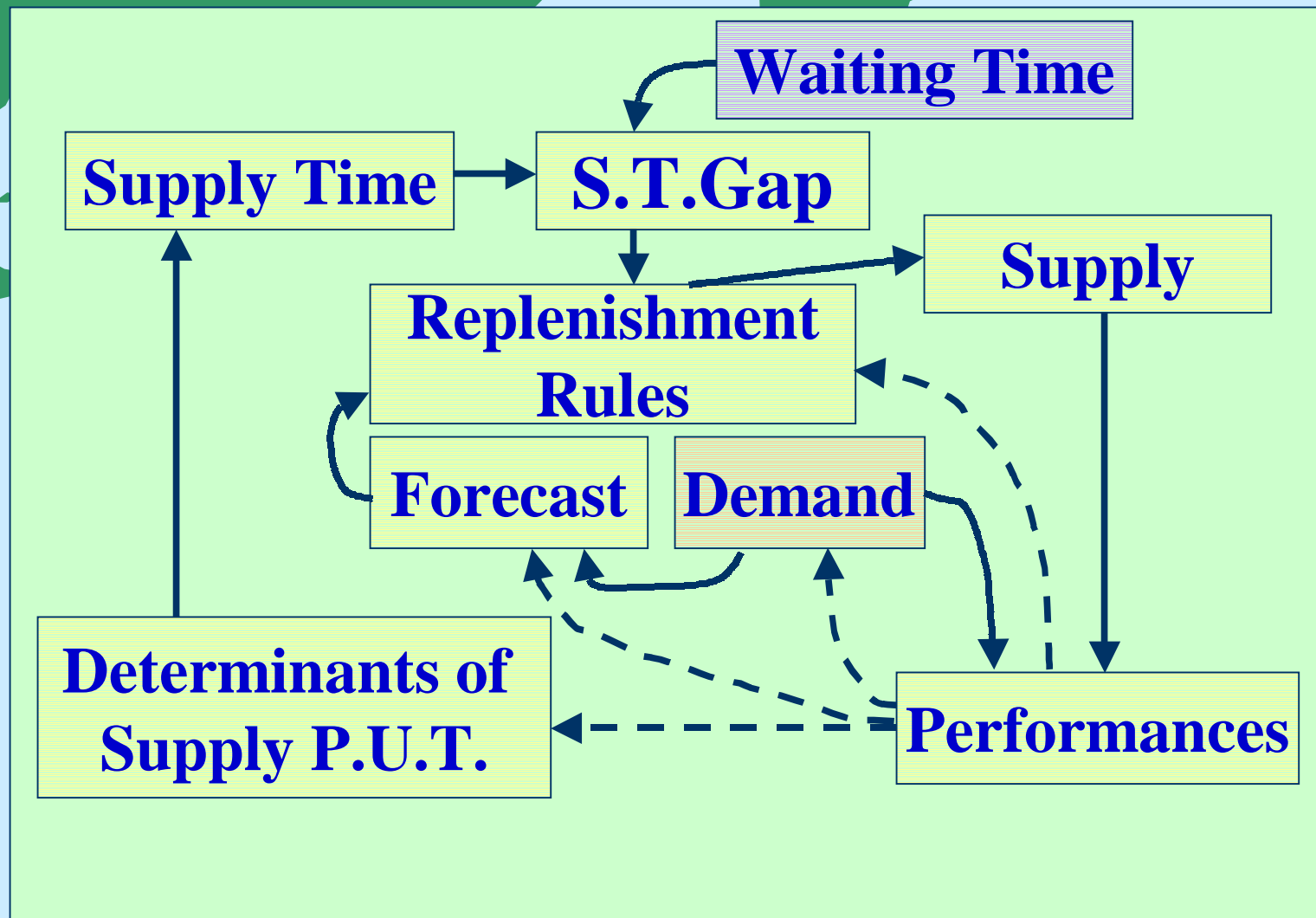
Archetypes

Basic Loops of SCS

Figure 1 Main Causal Loops in Supply Chain Management



Basic Loops of SCS



Archetypes (1)

1. S.T.Gap & Commencement of Supply:

S.T. Gap as a basic source of SCM problems

2. Uncertainty & S.T. Gap:

Uncertainty effects due to S.T. Gap

3. Elapsed Time to Deliver:

Supply P.U.T. & Bottleneck

4. Effects of Replenishment Rules:

Determination of the Rules & their impacts

Archetypes (2)

5. Multi-items:

Diseconomy of multi-items in Supply Chain

6. Flexibility of Supply:

Supply Consortium & Cross-Supply

7. Demand-Supply Interactions:

Long-run supply chain effects



Test of Archetypes

Coverage of Real SCS Problems

Application in Class: Understandable

**Enhancement of Insight into Real
Systems**