A THREE-WAY CONNECTION

The Arctic Express and Its Feedbacks to Global Environmental Change

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A THREE-WAY CONNECTION

Climate Change

Hydrocarbons

Transportation
CLIMATE CHANGE

- Feedbacks
- Tipping points
HYDROCARBON EXTRACTION

- Arctic reservoir
- Distribution
TRANSPORTATION

The Northern Sea Route
DISCOURSES

- Shared meaning
- Political power
THE EARTH SYSTEM DISCOURSE

- Biophysical processes
- Carbon capture and storage
- Global co-ordinated consensus
THE ECONOMIC OPPORTUNITY DISCOURSE

- Environmental and economic values
- Technology
- Trade
THE SOCIAL JUSTICE DISCOURSE

- Underlying structures
- Socioeconomic and political aspects
- Different experiences
ARE THE DISCOURSES CONNECTING?

- Partially portrayed
- Limited perspectives
Overview of Processes of Change

- Feedbacks
- Responses and new outcomes
- Differential exposure
Redefining perspectives
Identify linkages and feedbacks
Integral approach