

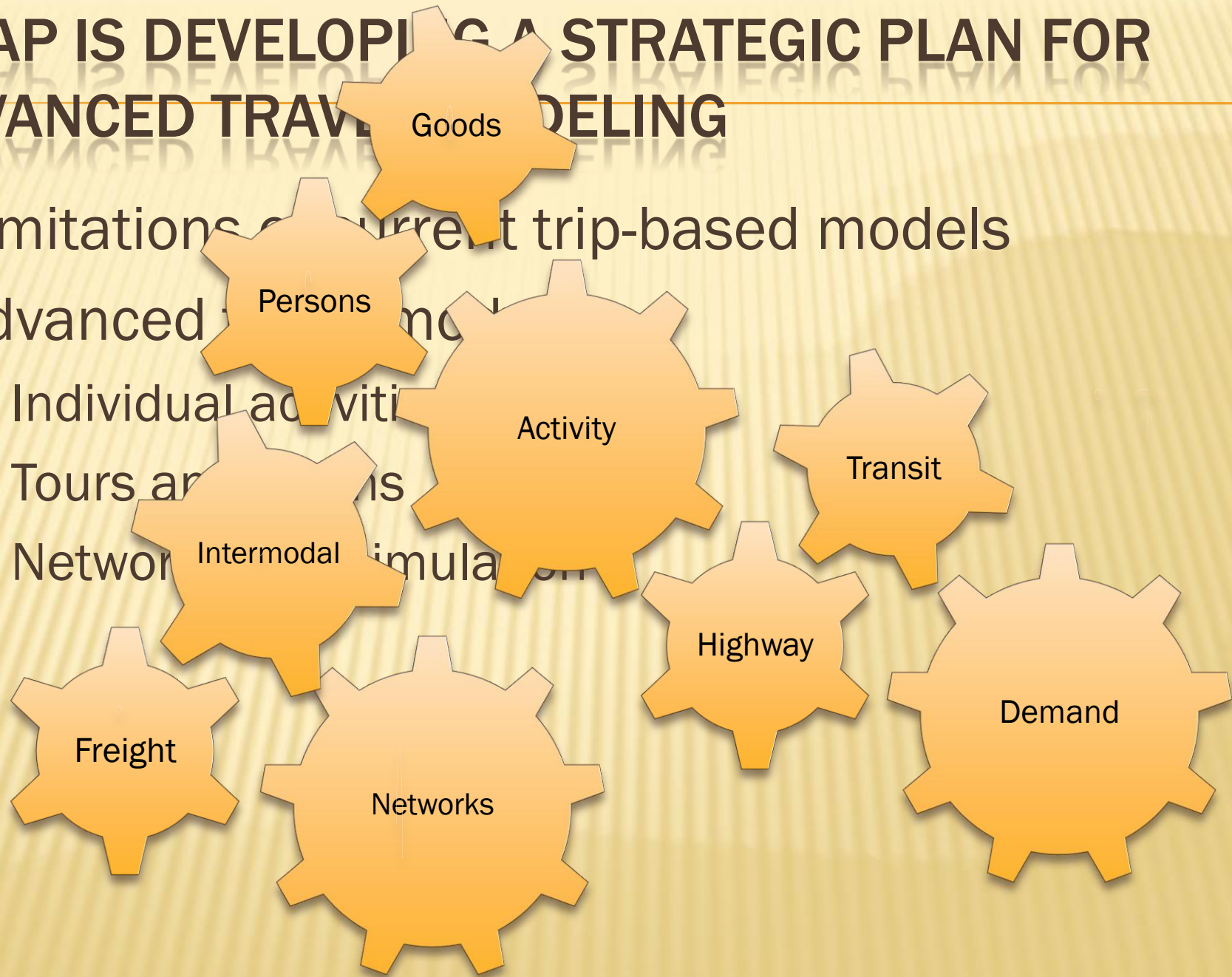
Kermit Wies

April 22, 2010

CMAP ADVANCED FREIGHT MODELING PROJECT

CMAP IS DEVELOPING A STRATEGIC PLAN FOR ADVANCED TRAVEL MODELING

- ✘ Limitations of current trip-based models
- ✘ Advanced modeling
 - + Individual activities
 - + Tours and trips
 - + Network intermodal simulation



FREIGHT IS A MODERN BUSINESS PRIORITY

- ✘ Economic
- ✘ Transportation



Operations

CMAP'S 3-LEVEL FREIGHT CONSTRUCT

- Chicago's position in the national and global economy

✘ Macro-

- Emphasis on goods movement
- Computable General Equilibrium Model
- Regional demand model for goods movement

✘ Meso-

- Regional infrastructure supply
- Logistics and supply-chain modeling
- Network microsimulation

✘ Micro-

- Individual facility operating characteristics
- Tracking commodities and freight stock

REGIONAL FREIGHT SCENARIOS

- ✘ International
- ✘ Global
- ✘ Regional
- ✘ Facility



