



# FREIGHT -- AND YOU

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California Department of  
Transportation



# MODES OF FREIGHT

HIGHWAYS + RAILROADS

OCEAN CARRIERS + CARGO PLANES

CARGO BIKES + DRONES

INTERMODAL FACILITIES

PORTS OF ENTRY

# CALIFORNIA

**EIGHTH LARGEST ECONOMY  
NATION'S LARGEST GATEWAY**

**ONE-THIRD OF ECONOMY  
ONE-THIRD OF JOBS**

**CALIFORNIA FEEDS AMERICA**



# TRENDS

CONSUMER DEMAND  
AGING INFRASTRUCTURE  
COMPETITION  
FUNDING  
REGULATIONS  
DATA + ANALYTICS

# FREIGHT PROJECT

AN IMPROVEMENT THAT SIGNIFICANTLY CONTRIBUTES TO THE FREIGHT SYSTEM'S **ECONOMIC ACTIVITY** OR VITALITY;  
RELIEVES **CONGESTION** ON THE FREIGHT SYSTEM;  
IMPROVES THE **SAFETY, SECURITY, OR RESILIENCE** OF THE FREIGHT SYSTEM;  
**IMPROVES OR PRESERVES** THE FREIGHT SYSTEM INFRASTRUCTURE;  
IMPLEMENTS **TECHNOLOGY OR INNOVATION** TO IMPROVE THE FREIGHT SYSTEM OR REDUCE OR AVOID ITS **NEGATIVE IMPACTS**; OR  
REDUCES OR AVOIDS ADVERSE **COMMUNITY AND/OR ENVIRONMENTAL IMPACTS** OF THE FREIGHT SYSTEM.

CFMP 2014

# CALIFORNIA SUSTAINABLE FREIGHT ACTION PLAN



**2050 FREIGHT SYSTEM VISION  
GUIDING PRINCIPLES**

**2030 STATEWIDE TARGETS**

- EFFICIENCY
- ZERO EMISSION
- COMPETITIVENESS

**9 STATE AGENCY ACTIONS**

**3 PILOT PROJECTS**

**72 IMPLEMENTATION STEPS**



# IMPACTS

**ENVIRONMENTAL JUSTICE**  
**NOISE + VIBRATION + LIGHTING**  
**AIR POLLUTION + HEALTH**  
**CONGESTION**  
**QUALITY OF LIFE**  
**+ MORE ...**



# CALTRANS

CAL-VIUS  
WEIGH-IN-MOTION  
MOBILITY PERFORMANCE REPORTING  
PEMS + HPMS  
FAF + NPMRDS  
AND MORE ...





# DATA USES

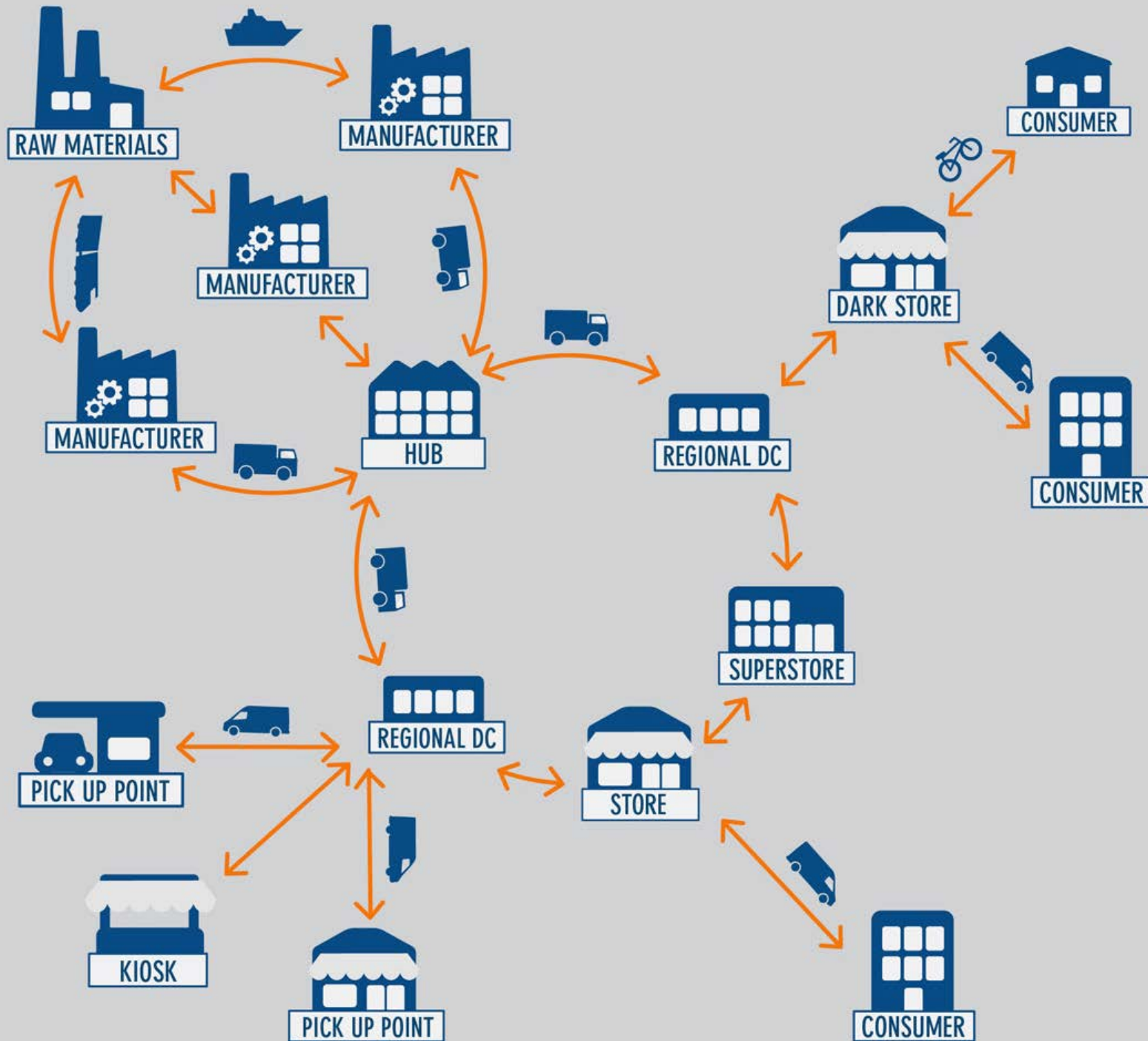
PROJECT IDENTIFICATION

PROJECT DEVELOPMENT

COMPLIANCE

# DATA CHALLENGE

COMPLEXITY OF SYSTEM OF SYSTEMS  
INTEGRATION OF DATA SETS  
SUPPORT DECISION MAKING



# SYSTEM OF SYSTEMS

**THANK YOU!**