

CCC - TECHNOLOGIES FOR THE ATTRACTIVE CITY

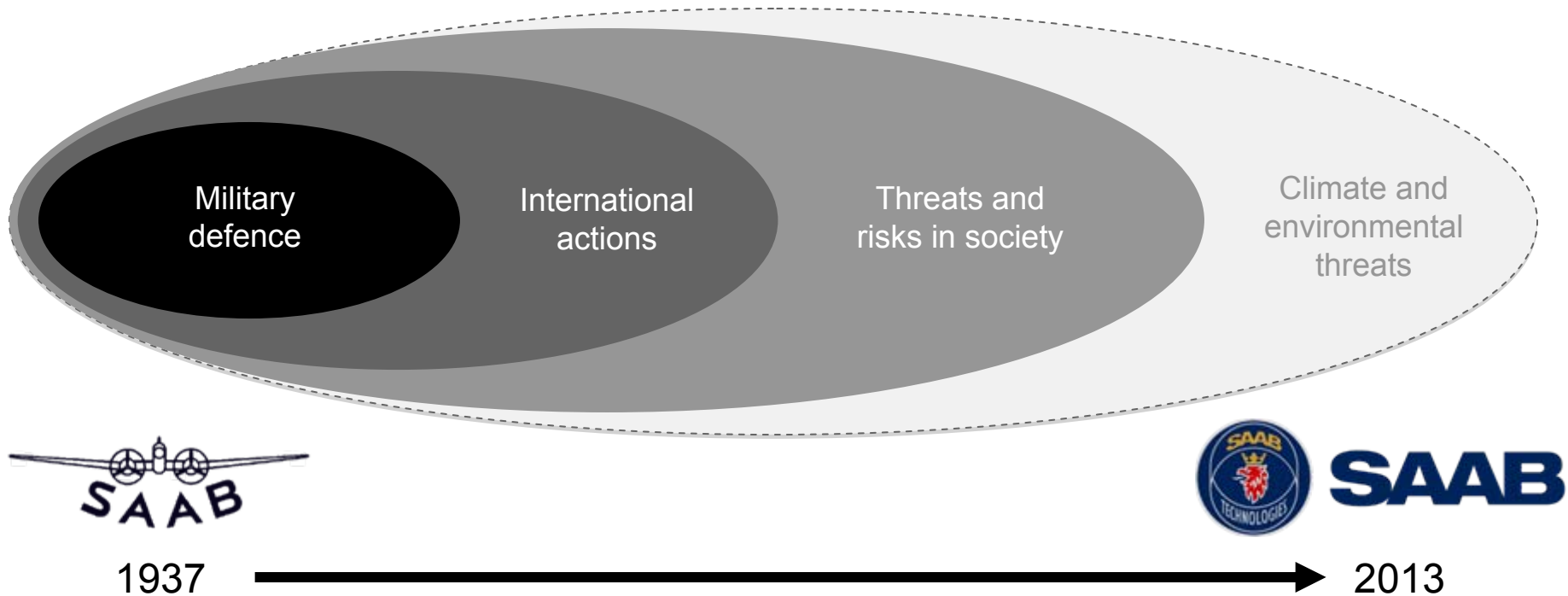
SCOP, Background, Methodology and Implementation



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BUSINESS CONCEPT



Saab constantly develops, adopts and improves new technology to meet changing customer needs. Saab serves the global market of governments, authorities and corporations with products, services and solutions ranging from military defence to civil security.

BACKGROUND – Attractive Cities

CCC → SCOP Project → Measuring the City
→ Communication
→ Cooperation

How can a city coordinate and manage sustainable growth?

How can a city become more inclusive and transparent?

BACKGROUND – Attractive Cities

CCC →

Service



Integrate



City Data



SAAB CITY COOPERATION CENTER PROJECT, SCOP

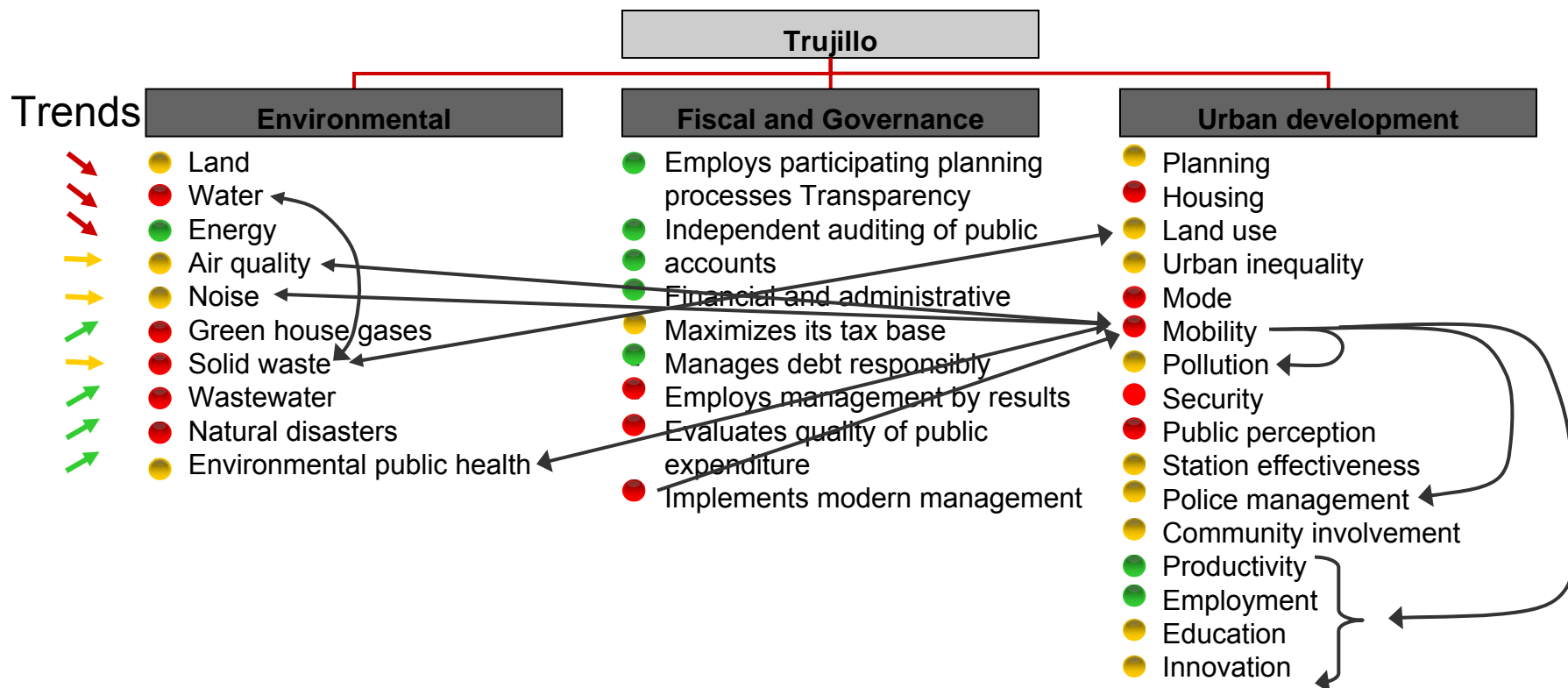


- ▶ Inter-American Development Bank, Swedish Energy Agency, Saab AB
- ▶ Linköping (SE) 2013, Joa Pessoa (BR) 2014
- ▶ Mobility, Security, Energy and Environment
- ▶ How to implement?

CCC Methodology

We want to know where we are...

....To measure the city!



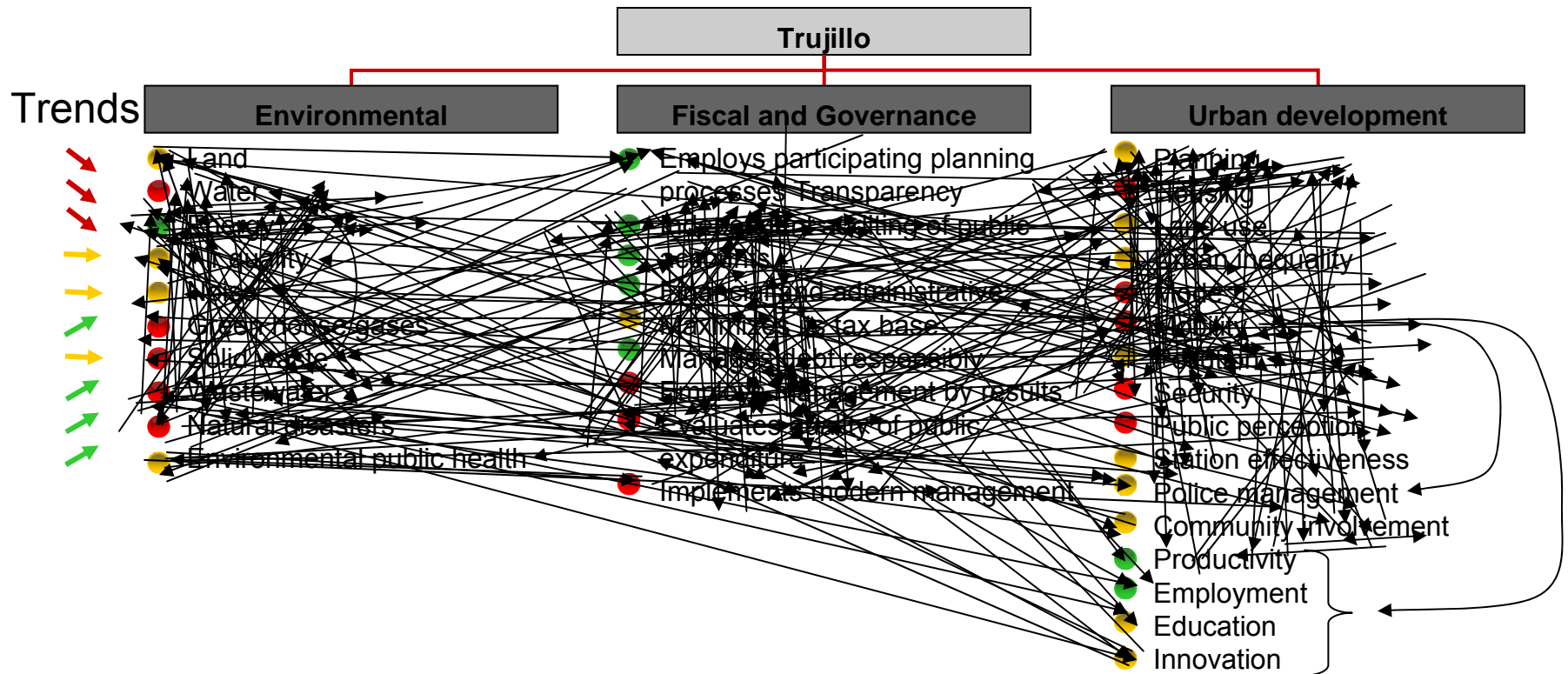
Main opportunities per pillar based on objective diagnostic

- No landfill (waste disposal)
- Low quality for water supply
- Low treatment of waste waters
- Outdated plans for natural disasters risk prevention

- Low tax base producing limited resources for investment
- Low transparency in fiscal management

- Informal/inadequate housing
- Suboptimal public transportation
- Security concerns (homicides)

Dashboard



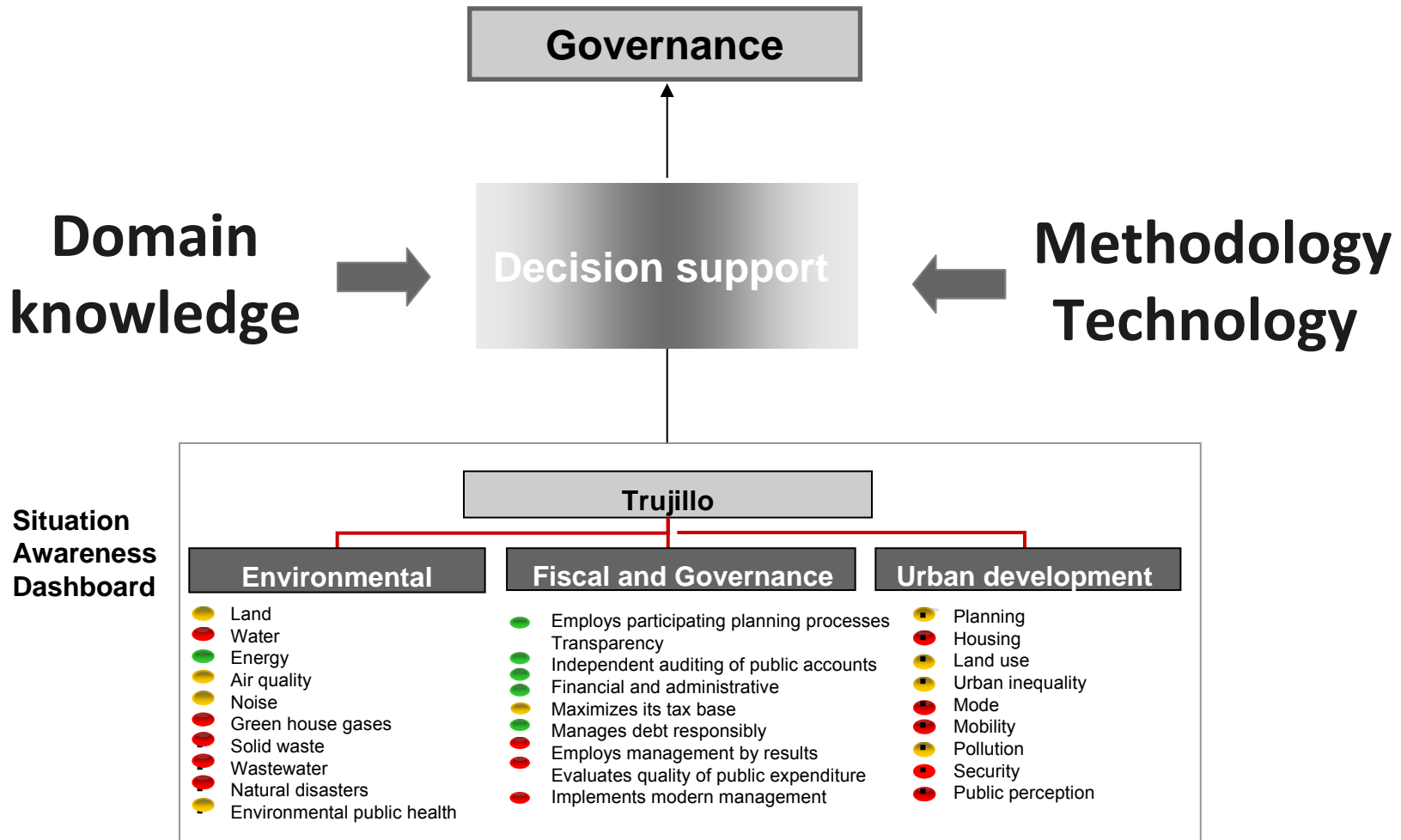
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Decision Gap



CCC Methodology

**City structures and Decision
Processes ...**

... To understand the City!

DECISION PROCESSES

*The need for cooperation, coordination and collaboration are the same in each complex enterprise, from a larger project to full-scale activities in a region ...or a city. Can we control **Change***





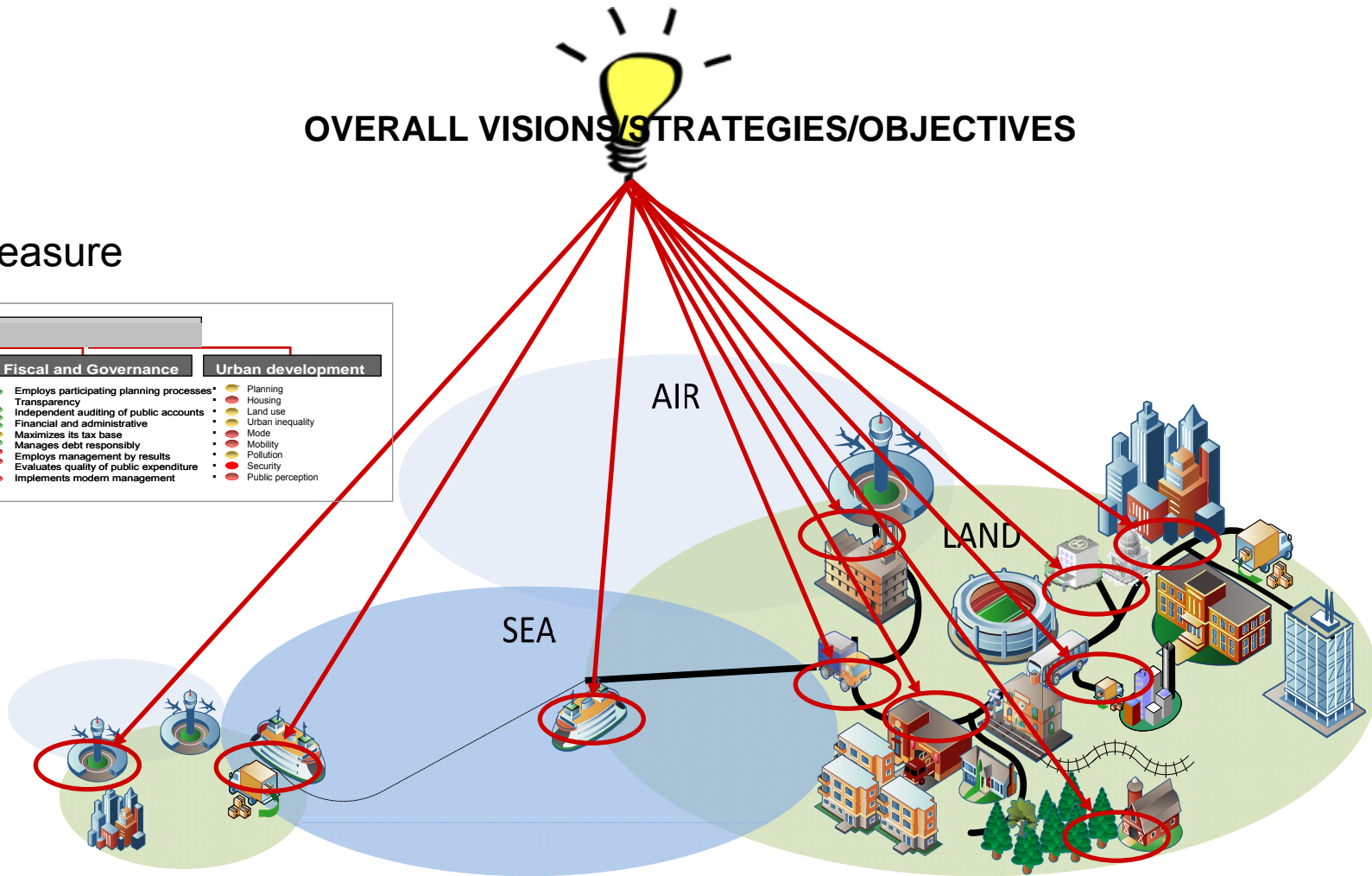
DECISION PROCESSES - Structured Strategies

OVERALL VISIONS/STRATEGIES/OBJECTIVES

... and measure

Environmental	Fiscal and Governance	Urban development
<ul style="list-style-type: none">LandWaterEnergyAir qualityNoiseGreen house gasesSolid wasteWastewaterNatural disastersEnvironmental public health	<ul style="list-style-type: none">Employs participating planning processes*TransparencyIndependent auditing of public accountsFinancial and administrativeMaximizes its tax baseManages debt responsiblyEmploys management by resultsEvaluates quality of public expenditureImplements modern management	<ul style="list-style-type: none">PlanningHousingLand useUrban inequalityModeMobilityPollutionSecurityPublic perception

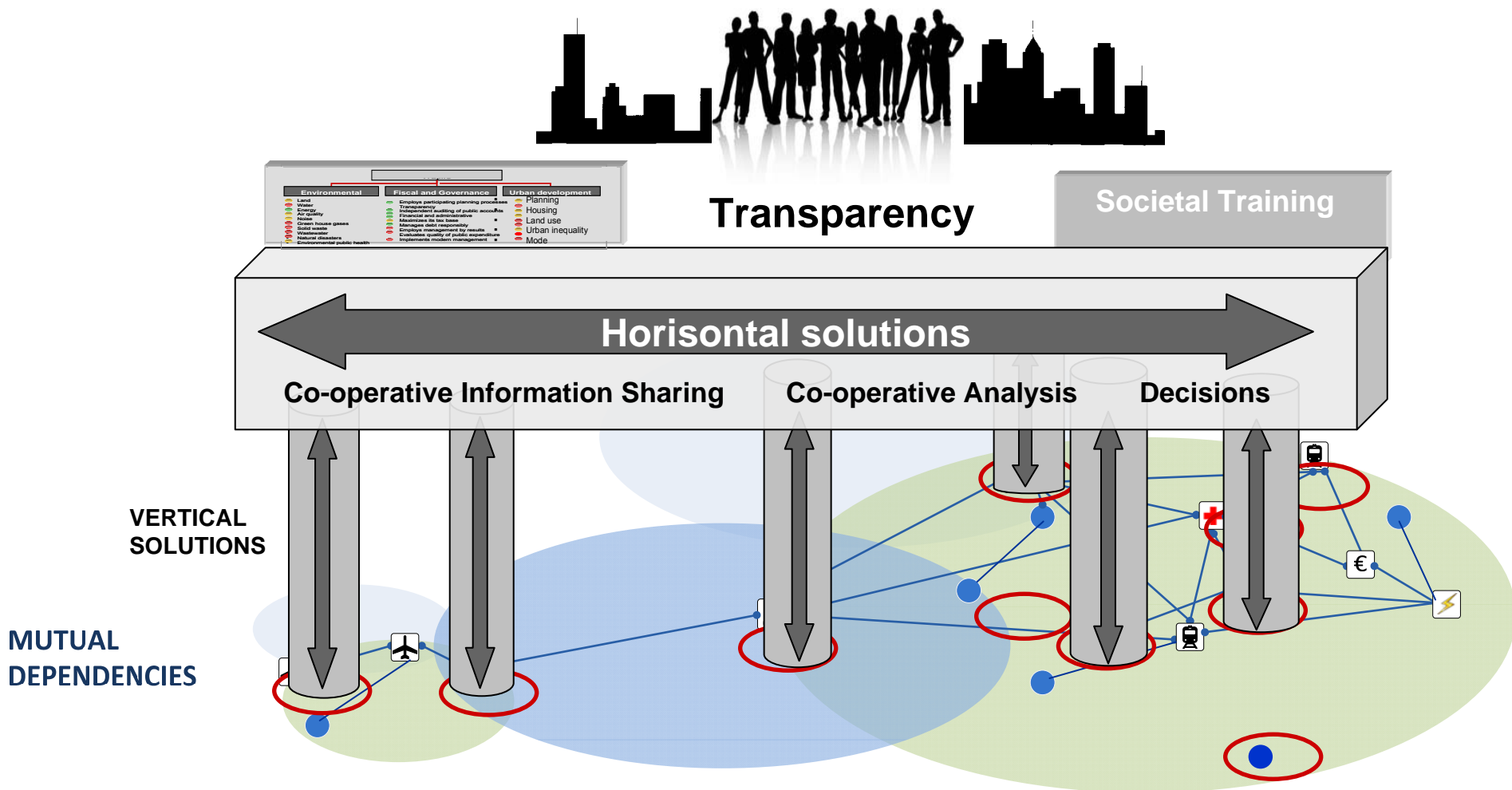
THE CITY
INFRASTRUCTURE



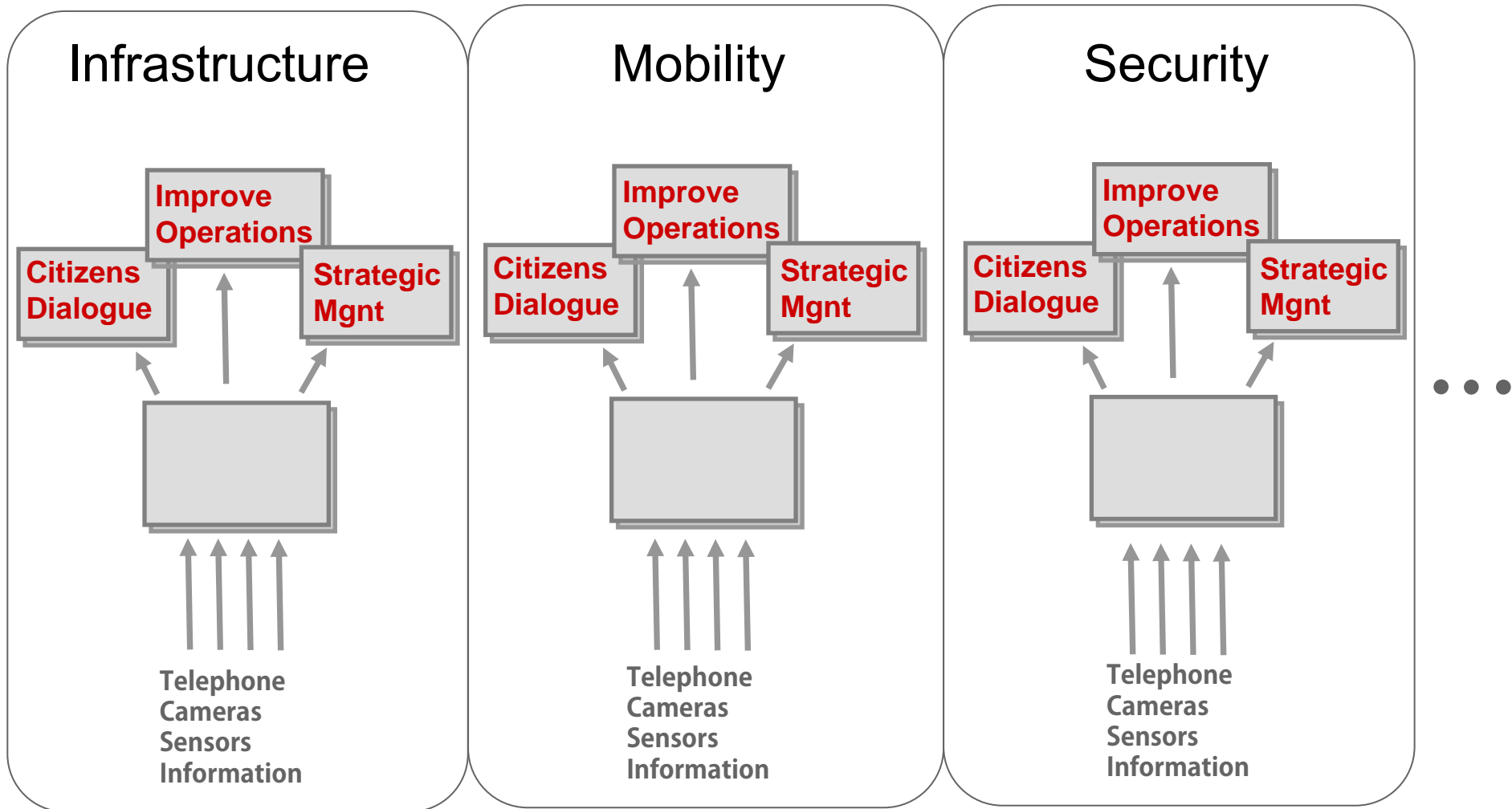


CCC - CITY INFORMATION MODEL

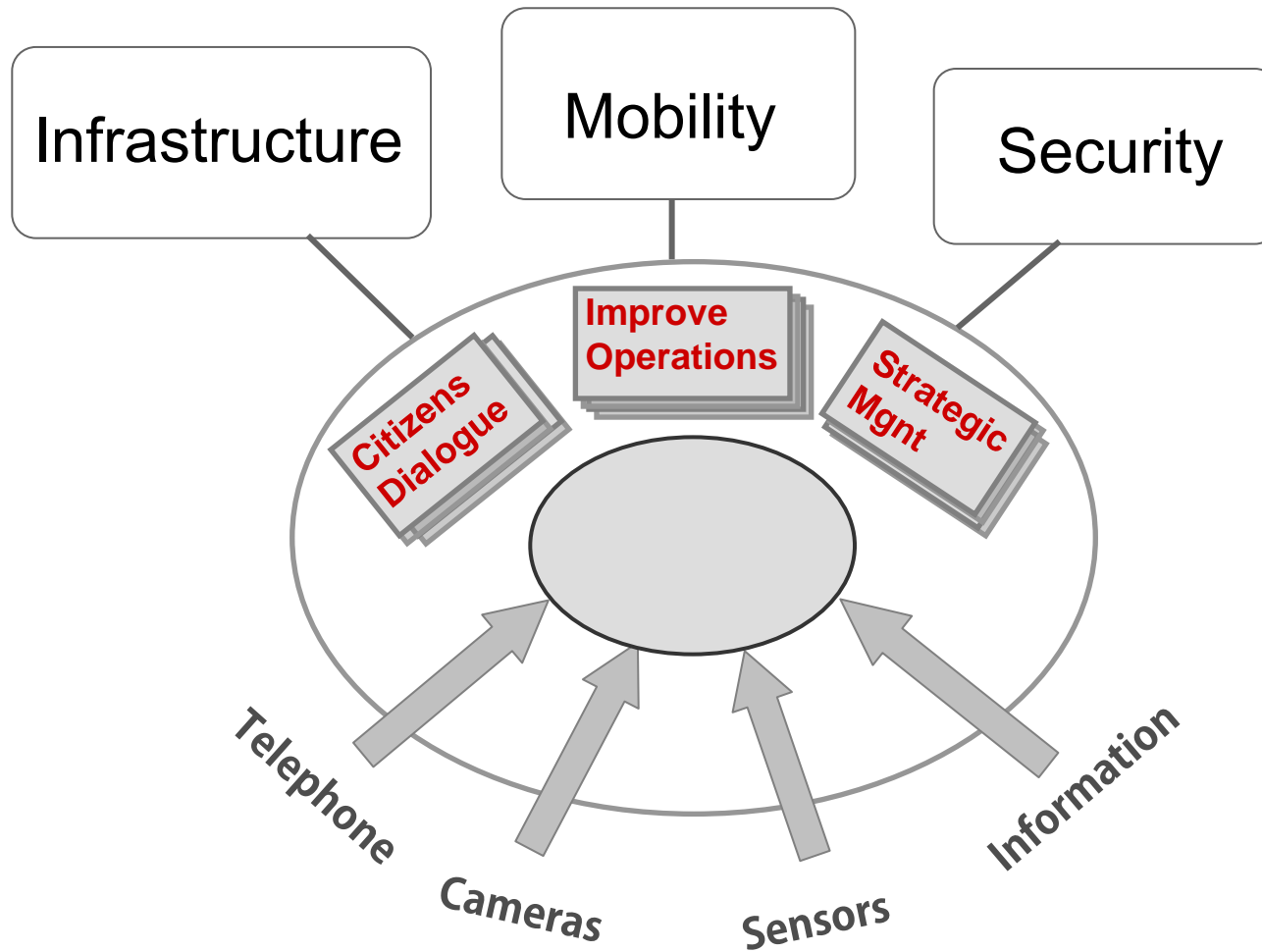
Include Vertical and Horizontal Dimensions - Co-operate and Act



Cities Struggle



Cities Solution



Saab Horizontal Solutions - CCC

Rapid 3D Mapping – Virtual City



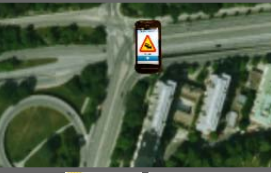
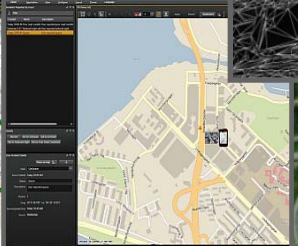
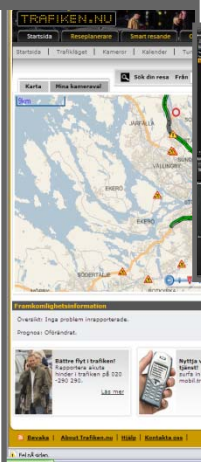
Volunteer s



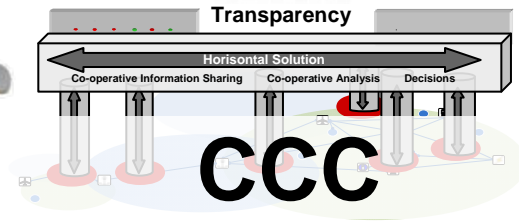
Command & Control Resource Management



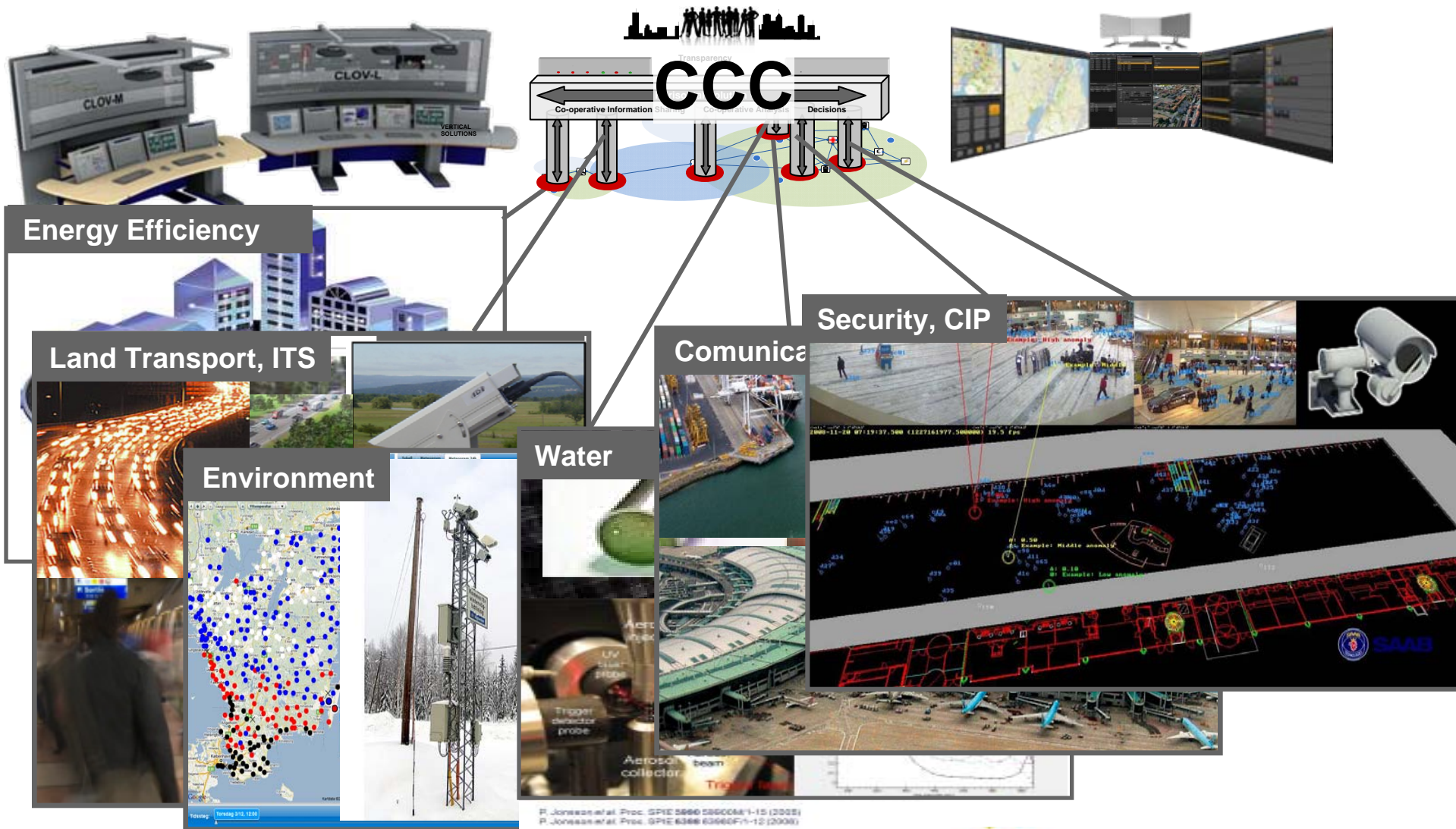
Information



Transparency



Saab Verticals Solutions



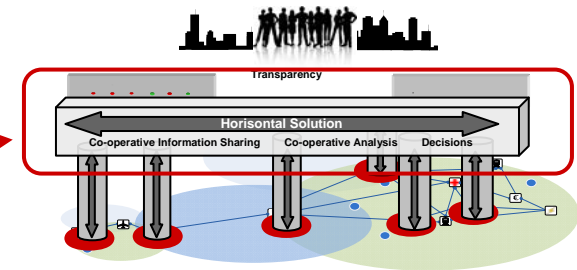


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CCC Motivation

Wy act cross sectorial ?



➤ Strategic

- Problem: Reactive urban planning builds up societal strain
- Solution: Involve cross sectorial know how and City values guidance
- Effect: Promotes long term city growth and branding

➤ Operational

- Problem: Concessions, outsourcing and fragmented objectives
- Solution: Involve actors horizontally
- Effect: Efficiency - save money

➤ Crisis Management

- Problem: Lack of coordination, resource management and forecasting
- Solution: Crisis management from a 24/7 perspective
- Effect: Better cooperation in operations AND Crisis management