

Goudappel

**MOBILITY MOVES US**

# What is a connected network plan?

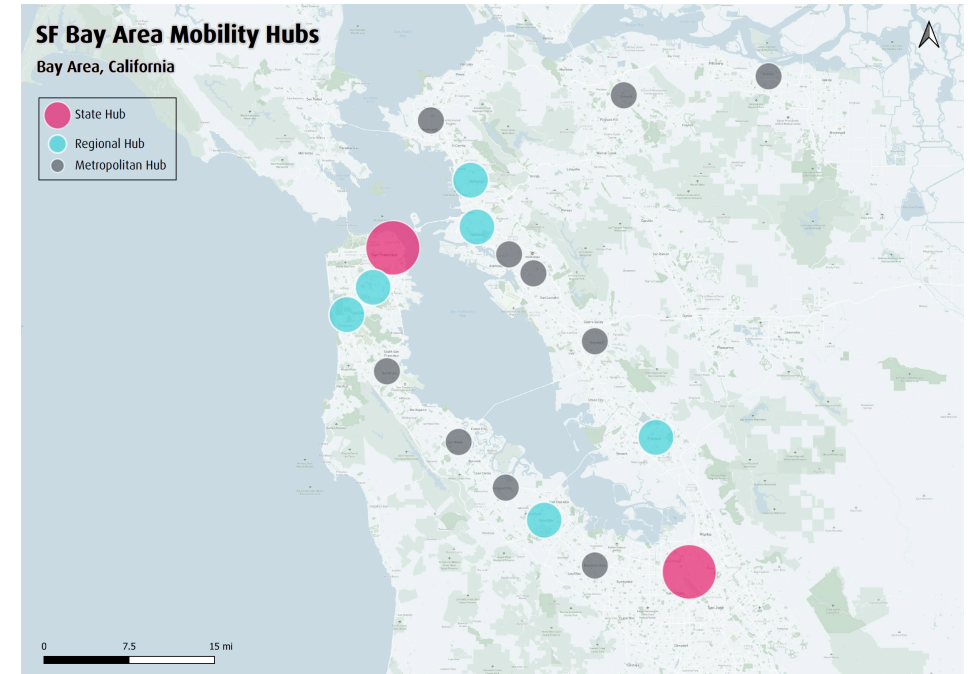
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1. **Goals and objectives:** What is the purpose of the connected network plan?, what are the **indicators of success** (reducing emissions, improving transport equity, etc..)?
2. **4-layers of success for a connected network:**
  - Clear **hierarchy** of (growth)centers, nodes and connections
  - **Quality** of the nodes (transfer quality and placemaking)
  - **Local connections** to and from the nodes (first and last mile & integration into the community)
  - A **seamless network** for the traveler (fare integration, wayfinding and marketing)
3. **Implementation strategy:** **Big moves** and **small steps**. Shared responsibility, but with clear roles and action holders.

# Example:

## Hierarchy of centers, nodes and connections

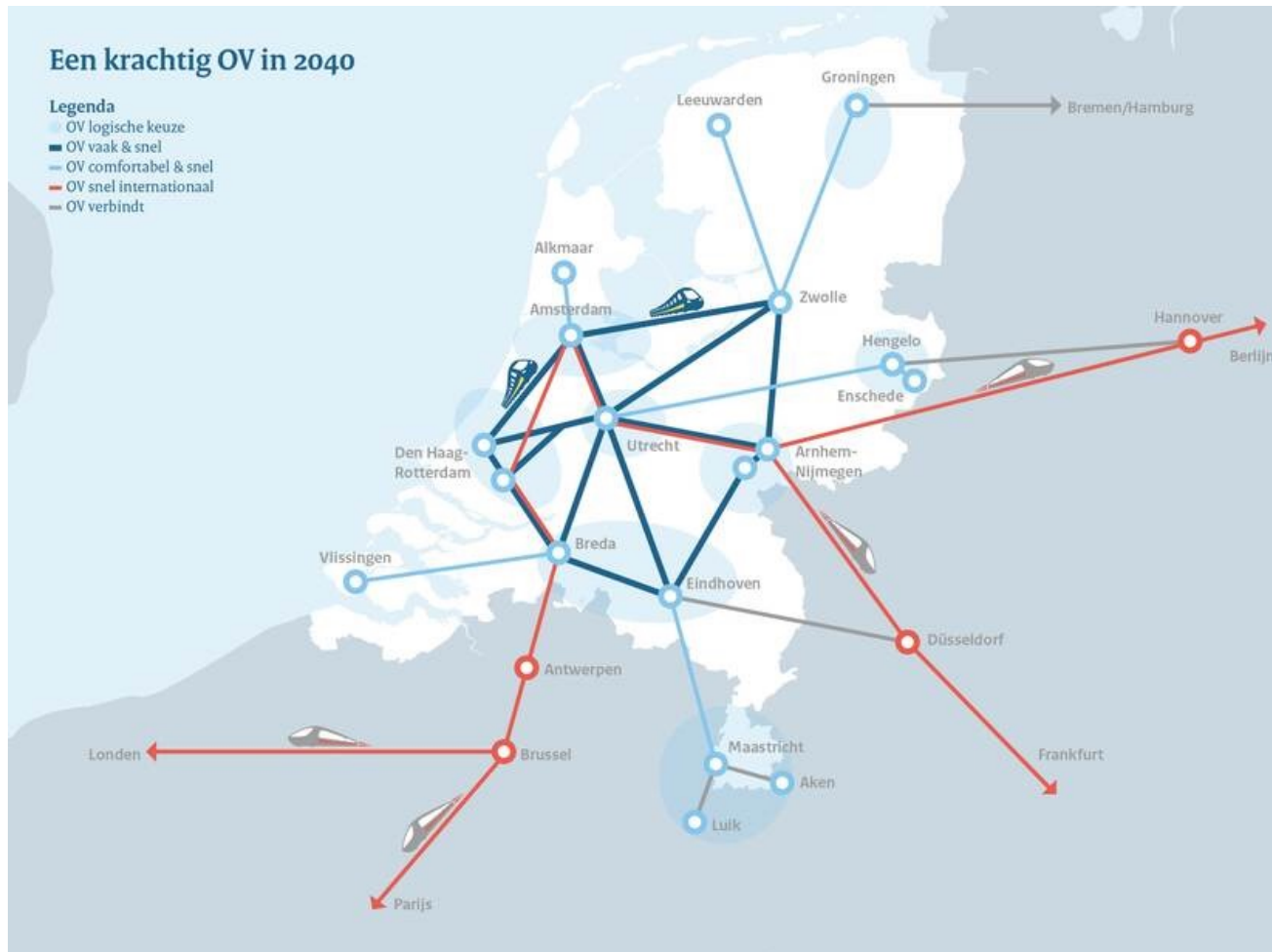
- **Focus:** 50 to 60% of Jobs are concentrated in 15-20 centers
- **Service standards:** desired connectivity between, to and from these (speeds, frequencies, comfort etc..)
- **Benefits:** Could lead to a regional mode shift of 10-20% towards walking, cycling and transit, 225.000 Metric Tons of CO2 saved



Scale	Mode	Travel distance	Operational speed	Frequency	Comfort	Local Catchment
State	High Speed Train	50-100 miles	60-90 mph	1-2x / hr	No standing User satisfaction score > 8 out of 10	3 miles
Bay Area	Express / Intercity Train	20-50 miles	50 mph	2-4x / hr	Few people standing User satisfaction score > 8 out of 10	2 miles
Regional	BART / BRT / Caltrain	2-20 miles	15-25 mph	4-8x / hr	Max 2 pers / 10 sq.foot User satisfaction score > 8 out of 10	1 mile
Local	Bus, Streetcar, paratransit	0-2 mile	10-15 mph	On demand 1-4x / hr	Max 2 pers / 10 sq.foot User satisfaction score > 7,5 out of 10	<1 mile

# Example:

## National Transit Development Strategy



- **Cooperation** between National & Regional governments (transit authorities) and transit operators
- **Shared vision** for the whole transit network in 2040
- **Three pillars**
  - Improve the core network
  - Seamless door-to-door travel
  - Safe, sustainable and efficient

# Lessons:

## National Transit Development Strategy

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- Start with **building trust** & define **shared values**
  - Independent process facilitator
  - Collectively define measure for success
- A **thorough collective analysis** of current and future travel patterns & travelers needs
  - Define gaps and opportunities in access and quality
  - Input for developing the connected network plan
  - Develop shared conceptual language
- **First a vision** than governance
  - Many stakeholders is not a problem lack of cooperation is
  - A shared vision will also spur needed change in governance

# Lessons - 2:

## National Transit Development Strategy

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- Connect **local** and **regional** interests and resources
  - Identify local improvements that serve the community and strengthen the connected network
  - Local projects get extra regional funding if they improve the network as a whole
- Define **key projects** that serve many purposes at once
  - Invest in 20 main transit nodes serves majority of trips
  - Capital projects that serve connections on many different levels
- Find **new resources** to invest in transit
  - Traditional funding sources not enough -> value capturing / road pricing
  - Operational costs increase but farebox revenue could increase faster

