

# The FUTURE....

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Day 24  
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## The Future of the City....

=  $f$  (demand for density)?

- Will we embark on an evolutionary or revolutionary path?
- What role of ICTs on
  - Transportationand
  - Inter-Metropolitan and Intra-Metropolitan Spatial economies?

## The Future: What do we know?

- Increasing incomes...likely
  - Demand for luxury goods, space
  - high value of time
- Technological advances...likely
  - Physical movement: Speed, comfort & productivity
  - Virtual movement...

## Demand for Cities

Urban Rent Premium =  
Productivity Premium + Amenity Premium

- Productivity comes from...
  - Lower transport costs, labor pool efficiencies, informational “spillovers,” something “in the air”
- Amenities come from “consumption” of...
  - Social contacts
  - Non-tradeable goods
  - Scale economies in entertainment
  - Aesthetics..
- The future depends on....

## Evidence?

- Some apparent support for demand for urban amenity
  - Positive correlation b/w “amenity” (1980) and population growth (1980-90)
- Demand for urban amenity apparently rising
  - Housing price elasticities > wage elasticities
- Some apparent evidence of income “returning” to the CBD

## City “Typologies”?

1. “Resurgent” dense cities
  - High human, architectural and consumption capital
2. Old, “left behind” dense cities
  - Lower human capital, etc.
3. “Edge” Cities
  - Private transport dependent
  - Will they proliferate outside the US?

## Will cities survive? (what is a city?)

- Cities will survive based on their ability to provide amenity
  - Local (difficult to trade) goods and services
  - Aesthetics
  - Public Services (Tiebout...)
  - Speed (TRANSPORT)

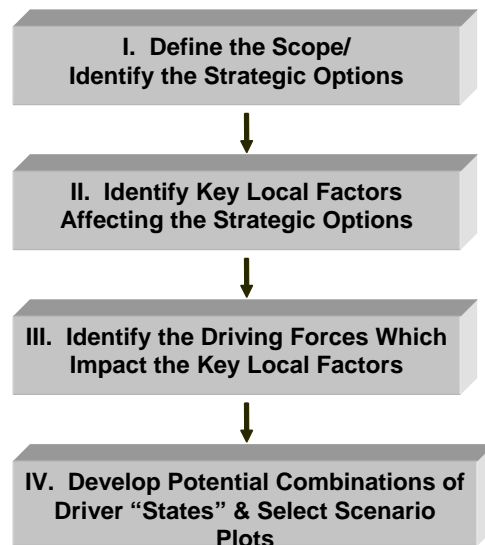
## What can planners and policy-makers do?

- Amenity (consumption)
- Attract human capital...
- Price transportation appropriately...

## Scenario Planning – A Primer

- What?
  - **Scenarios – “An imagined sequence of future events”**
- Why?
  - **To prepare us for uncertain futures, examining multiple sequences/stories because...**
- How?
  - **Develop structured, in-depth stories of plausible futures**

## The “Houston Platform” (Steps 1-4)



## The “Houston Platform”: Step II: Key Local Factors

- Both important to the decision to be made *and* uncertain
- In Houston case:
  - Health of the local economy
  - Shifts in environmental attitudes/policies
  - Demographics
  - Federal/state investments/control
  - Local politics

## The “Houston Platform”: Step III: Driving Forces

- Impact the Key Local Factors
  - *macro*-issues, which are most likely external to the area being considered.
  - Again, should be both *uncertain & important* to decision
- In Houston case
  - State of the economy - global and regional economic integration, trade, capital flows, competition, wages;
  - Finance - availability of infrastructure funding, user fees and charging mechanisms, private sector participation;
  - Future Technology - ITS, telecoms, vehicle technologies, fuel supply technologies, advances in other modes (rail, shipping);
  - Environment - local air pollutants, climate change, endangered species, water pollution, “sprawl”

## The “Houston Platform” Step IV: Potential Combinations of Driver “States”

- Matrix of the “states” (i.e., good/bad) provides potential driver combinations

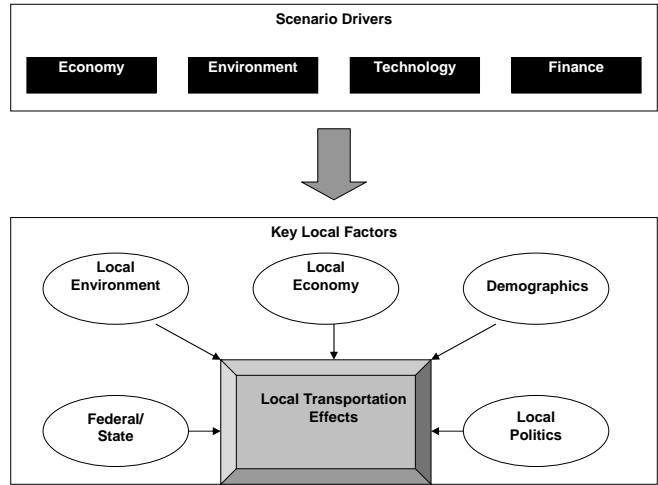
Scenario	Drivers			
	<i>Economy</i>	<i>Finance</i>	<i>Environment</i>	<i>Technology</i>
<i>United States of N. America</i>	Rapid Growth	Ease of Finance	Environmental Indifference	Little Innovation
<i>Balkanization</i>	Stagnant	Lack of Finance	Environmental Indifference	Little Innovation
<i>Earth Day 2020</i>	Rapid Growth	Lack of Finance	Environmental Concern	Innovation

## The Houston Platform – Step V

- Flesh Out the Scenario Stories
  - Give “full reality” to the scenarios, to leave a clear impression
  - Remain faithful to the scenario logic
  - Build plausible cause-effect relationships
    - Key to internal consistency and organizational learning
  - Estimate the driver effects (macro story lines) on the key local decision factors

# The Houston Platform:

Drivers Key → Local Factors → Transport Effects



## What About Bai Ma?

