

Road Transport in Lebanon: Challenges of obtaining accurate and relevant data

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Road transport in Lebanon: existing conditions

No operating rail services



Public transport (lack of data):

- < 30% market share in Greater Beirut (no accurate stats)
- Informal private operator services
 - Low occupancy (11-15 per van, old 2008 stats)
 - Unsafe (high accident risks: conflicting stats)
 - Uncomfortable (no stations, old buses: no data)
 - Unreliable (no routes or schedules: basic maps)

No public bus system



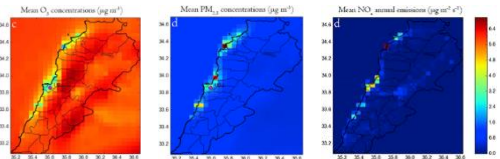
Off-peak traffic in 2000



Car transport (data not always accurate):

- > 1.75 million passenger cars in 2017 for 6 million people
- > 5 million daily passenger trips in GBA in 2015 (forecast)
- > 400,000 passenger cars entering GBA daily
- Occupancy rate of 1.2 pass/veh. (25% < world average)
- Old vehicle fleet (71% older than 10 years, 1940-2013)
- Gasoline is the dominant fuel (83.5% of total)

Off-peak traffic in 2015



Sector (limited sources of data):

- 2nd biggest emitter of GHG (25% of total GHG's in 2015)

Transport studies need numerous types of data

Vehicles and Fuels

- Vehicle categories (by engine size, class, age...)
- Traffic data (by volume, time, region...)
- Fuel consumption (gasoline, diesel, electric...)

Infrastructure

- Refueling networks (by fuel type)
- Roadway networks (capacity, condition...)
- Terminals (capacity, activity rates, modes...)

Environment

- Demographics (by region, access to networks...)
- Air quality (by pollutant type, source, region...)
- Sustainability and related indicators

Costs

- Vehicle (purchase, maintenance, insurance...)
- Infrastructure (roads, fuels, mass transit...)
- Financial indicators (GDP, CPI...)

Local sources of data

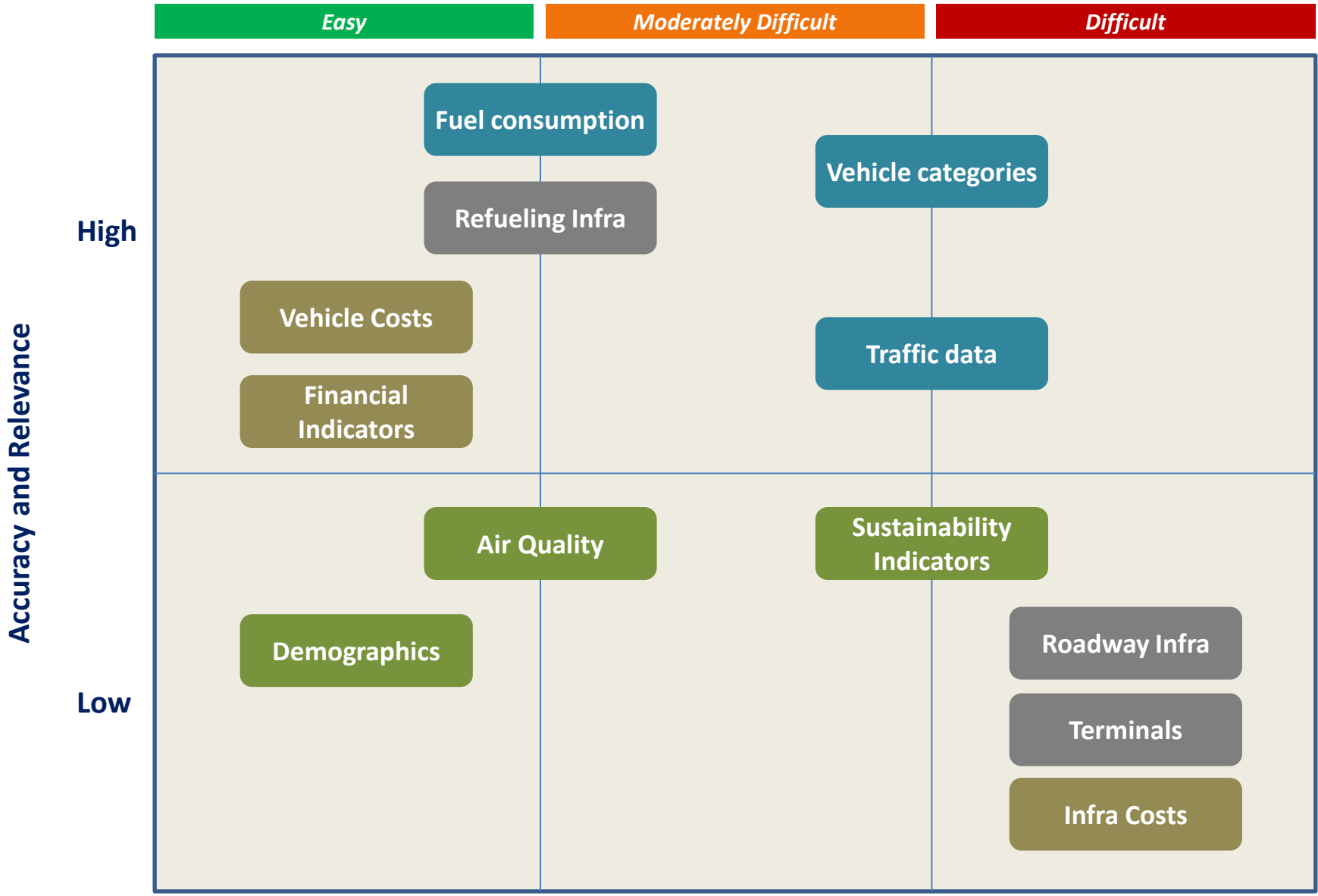
- **Government agencies**

- Prime Ministry's Central Administration of Statistics (*demographic data, economic data, environmental statistics*)
- Ministry of Interior (*accident statistics, vehicle registration data*)
- Traffic Management Organization (*traffic data*)
- Ministry of Public Works and Transport (*public transport data, transport infrastructure data*)
- Council for Development and Reconstruction (*traffic data, transport infrastructure data*)
- Ministry of Energy and Water (*fuel consumption data, energy cost data, energy infrastructure data*)
- Ministry of Finance (*vehicle and road usage fees data, vehicle import data*)
- Ministry of Environment (*emission data*)
- Parliament Committee for Public Works, Transport, Energy and Water (*public transport data, emission data*)

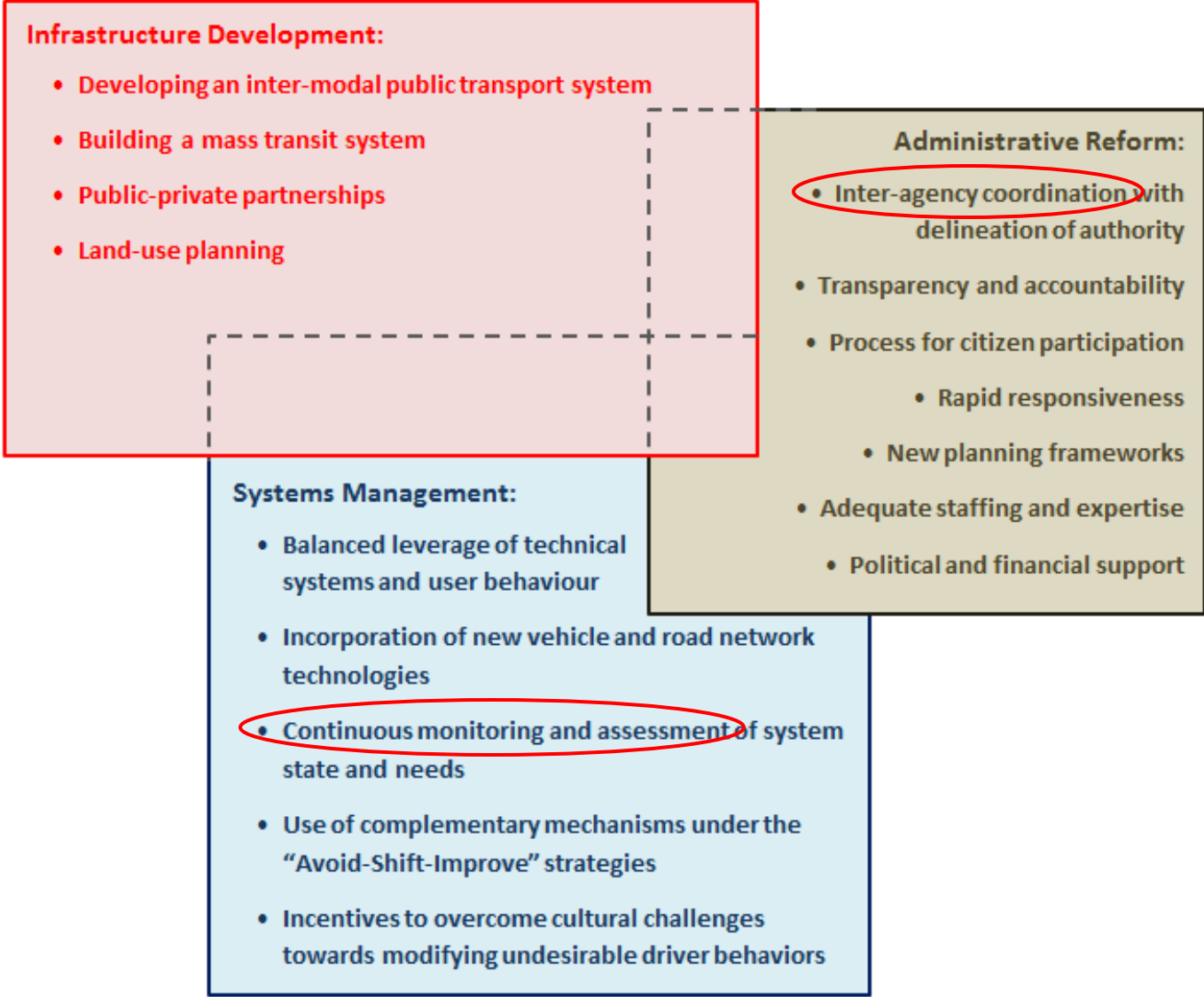
- **Other agencies**

- Red Cross Lebanon (*accident statistics*)
- ESCWA Lebanon (*demographic data*)
- UNDP Lebanon (*energy data, environmental data, cost data*)
- Private sector: bank research units, engineering & contracting firms, NGO's... (*various local data*)
- International sources: World Bank, IBRD, EBRD, IEA, WEC, UNEP... (*various global, regional and local data*)

Access to good transport data (based on experience from conducted studies)



Lobbying for an integrated national strategy for sustainable transportation in Lebanon



Questions:

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