Governance of Informal Public Transport in Turkey

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Headings

Part 1
► Definition of Informal Transport
► Types of Informal Transport in Turkey
► Effects and Role of Informal Transport

Part 2
► What has changed after pandemic?
► Roadmap for Recovery and Reorganization
### Definition of Informal Transport

#### Part 1

<table>
<thead>
<tr>
<th></th>
<th>Municipal Bus</th>
<th>Rail</th>
<th>Ferry</th>
<th>IOP Bus*</th>
<th>Minibus</th>
<th>Employee Bus</th>
<th>Taxi</th>
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</thead>
<tbody>
<tr>
<td><strong>Fixed Route</strong></td>
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<td><strong>Fixed Fare</strong></td>
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<td><strong>Fixed Schedule</strong></td>
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<td><strong>Open to Public</strong></td>
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* Individually Operated Public Bus

**Mass Production**
- Institution / Corporation
- Size of operation

**Integration**
- Ticketing technology
- Pricing system, transfer fares
- Schedules
- Spatial design
- Complementing routes

**Standards**
- Social services
- Vehicle standards
- Adherence to schedules
- Comfort / Occupancy
- Passenger insurance
- Social security
50s: Rapid urbanization, immigration
Need to reach employment
Need for mass transport
Limited public funds for (public) transport

Individuals started as single operators
Created own rules, lines and market
Need for regulation and
Limitation for market entry
Current Forms of Informal Public Transport

- Municipal Bus
- Individually Operated Public Bus
- Minibus (Dolmus)
- Taxi Dolmus
- Service Bus
- Taxi
Effects and Role of Informal Transport

Deterioration of network

- Ideal Route
- Route adjusted to street pattern
- Route adjusted to demand
- Route adjusted for passenger collection
Effects and Role of Informal Transport

- Deterioration of network
- Concentration of lines in the center
Effects and Role of Informal Transport

- Safety and comfort standards
- Driving behavior
- No operation and ownership data
- No (or very limited) integration
- Social service considerations
- Low or no tax revenue

**Market value of license**
- Ever increasing with capacity limitations
- Root of problems and deformations
Effects and Role of Informal Transport

Population distribution

- 16 M Istanbul
- 6 M Ankara
- 5 M İzmir

85 millions
### Effects and Role of Informal Transport

#### Part 1

<table>
<thead>
<tr>
<th>Vehicle Type</th>
<th>Operational</th>
<th>Regulatory</th>
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<tbody>
<tr>
<td></td>
<td>Fixed Fare</td>
<td>Fixed Schedule</td>
</tr>
<tr>
<td>Minibus Dolmus</td>
<td>Green</td>
<td>Red</td>
</tr>
<tr>
<td>IOP Bus</td>
<td>Green</td>
<td>White</td>
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</tbody>
</table>
Size of operations:

**Istanbul (14.1 m)**
- Municipal: 2613
- Minibus: 6933
- IOPBus: 2347
- Employee bus: 30159
- Total: 42052

**Ankara (5.4 m)**
- Municipal: 1973
- Minibus: 2231
- IOPBus: 690
- Employee bus: 6283
- Total: 11177

**Izmir (4.6 m)**
- Municipal: 1828
- Minibus: 1117
- IOPBus: 1614
- Employee bus: 5245
- Total: 9804

Now 60,000

Effects and Role of Informal Transport

Part 1
Effects of Covid-19

Part 2

Individual Operator

Cooperative
Association / Chambers
Company

Institutional Operator
What pandemic has changed?

Shift to other modes
- Car
- Bike
- Walk

Reduction in trip production rates
- E-commerce, e-learning, e-banking, etc.
- Stopping unnecessary trips
- Limiting social activities
- Relocation of home/work locations
- Closure of education

Reduced demand

Capacity restrictions
- Tight control of occupancy
- Disinfection requirements

Reduced revenues

Additional costs

Financial crisis
Objectives and strategy for Recovery + Restructuring

- Redefine network and services
- Restructure tendering and contracts
- Restructure client organizations
- Separate operators from
  - corridors (geography)
  - cash
  - vehicles
  - staff
  - rights
Strategy 1: Pooling (with operator initiatives)
Effects and Role of Informal Transport

Part 2

Individual Operator
- Cooperative
- Association
- Company

Institutional Operator
- Line Pool
- Revenue Pool
- Cost Pool
- Staff Pool
- Rights Pool
Strategy 2: Unbundling  (with municipality initiative)
Restructure management and redefine rules
Restructure management and redefine rules
Increase capacity with new players for requirements of Covid-19
Focus on new players and rules
Allow new conditions to lead current players
Use new conditions to define a better future
Focus on roots of the problem not to symptoms
Thank you...