

FIGHT FOR SAFETY: CHALLENGES AND OPPORTUNITIES OF HANOI VIETNAM

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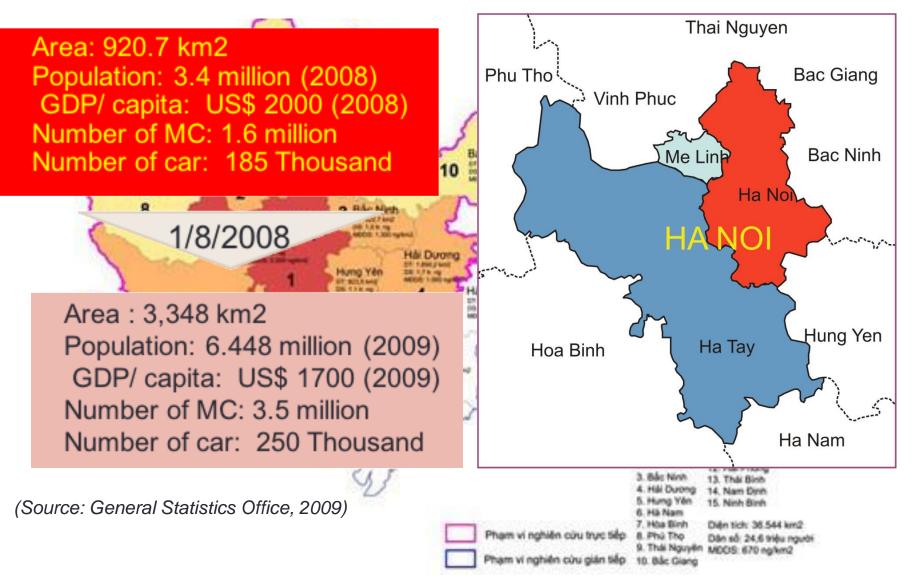
2 October 2017

Contents

- Hanoi: An introduction
- Fighting for Safety
- Challenges& Opportunities
- Q&A

Slide 3

Hanoi: From a City to a Metropolitan Region



Hanoi before 1986: Non-motorized traffic





Thang - Nguyan Nuan - Aral

Paneran





Hanoi 1990s: MNT + Bus and Motorcycle





Nguồn: http://reds.vn/index.php/khoanh-khac-lich-su/402-ha-noi-1990/





Hanoi today: Motorcycle Cependent city

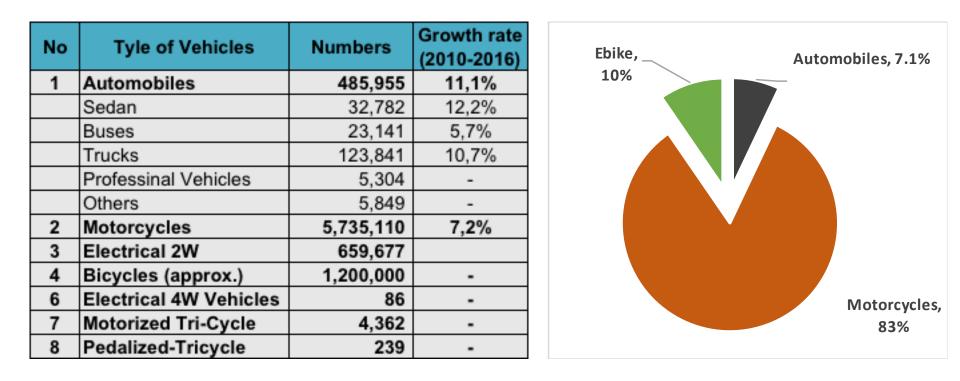








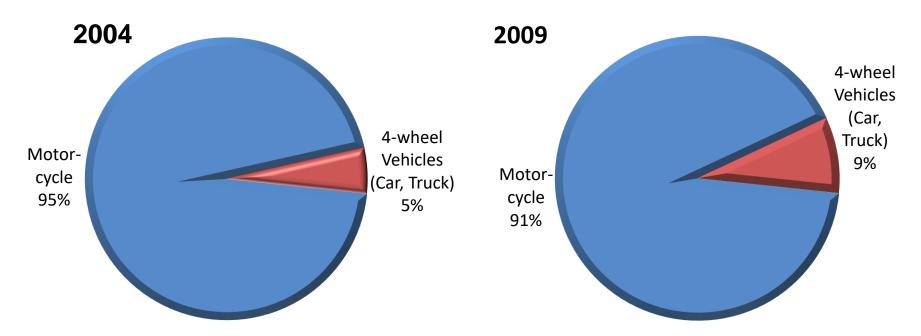
Hanoi: a typical Motorcycle Dependent City



- > Motorcycles are dominant among the vehicle fleet of Hanoi
- Cars are small in number but growing faster and eating most of road and parking space

Hanoi: a typical Motorcycle Dependent City

Vehicle usage



Traffic composition on Hanoi urban arterial (Cau Giay – Kim Ma, 7:00 am to 8:00 am)

Source: TRANCONCEN/ITPM (2010)

Hanoi: a typical Motorcycle Dependent City

Two-wheeler dependent's block



Formulated in 1990s

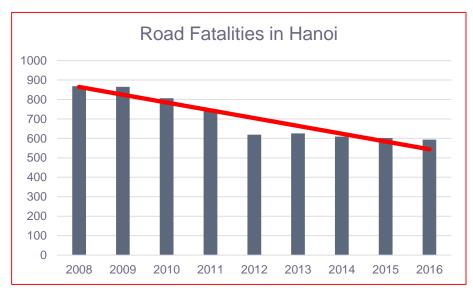
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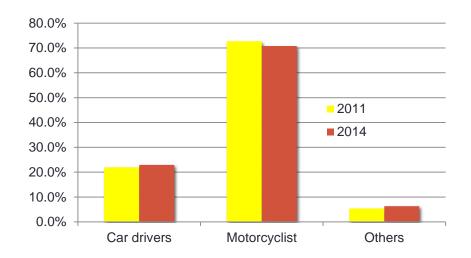
Source: TRANCONCEN/ITPM (2010)

Problems

Accidents

- High rate of fatalities
- 70% of accidents caused by Motorcyclists
- 85% fatal victimes are motorcyclits
- Congestion
 - Extremely high volume
 - 60% travel time is delay
- Pollutions
 - Noise
 - Air pollution





Hanoi is Fighting for Safer mobility

- Safer Infastructure
 - Dedicated lane for motorcycles
 - Intersection movement chanelization
 - Side walks and Safe School Zone
 - Vehicle Free Zone
- Safer Vehicle
 - Motorcycle inspection
 - Vehicle (motorycle) visibility inmprovement (Eg: Daytime Running Light)
 - ABS requirements for motorcylce and cars
- Strengthen Enforcement
 - Drink-Driving Control;
 - Maintain and improve the wearing helmet;
 - Enforce the teenagers in motorcycle driving;
 - Commercial vehicle control
- Traffic Education
 - · Educate traffic safety in the schools;
 - Improve the traffic safety culture propaganda;
 - Improve driver training and test
- Post-crash services
 - Ambulance service
 - Pre-hostpital rescue capacity building

Good Practice: Vehicle Free Street - Hoan Kiem Lake!







Good Practice: Compulsory Helmet Regulation.







90% adults and 60-65% children are wearing helmets on traveling by motorcycle

Good Practice: GPS Monitoring System for Commercial Vehicles

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Good Practice: Overloaded Trucking Control









Challenges: Road Users

- Driving awareness
 - Road law is still unofficial in the education program in schools;
 - Unaware on the traffic law, especially road law;
 - Naturally make violations: Signal violation; Lane violation; …
- Custom
 - One of the top countries in the world consume alcohol (wine and beer);
 - Popular drinking driving;
 - Driving due to natural habit, not based on the regulation (over speeding in low traffic road, willing to make violation if do not see the traffic police,...);
- Driving behavior
 - Uncooperative or selfish driving;
 - "Young phenomenon" in driving behavior;
 - Road users make violation because of the others make violation;





Challenges: Others

- Motorization (Motorcycle and Car)
- Law enforcement capacity
- Traffic Safety Education and Propaganda
- Infrastructure capacity and safety
- Technologies (Database & Coordination)
- Resources (Financial and Human)





Opportunities: PUSH & PULL : HANOI 2030 VERSION

Improvement of Walking Environment & Vehicle Free zone

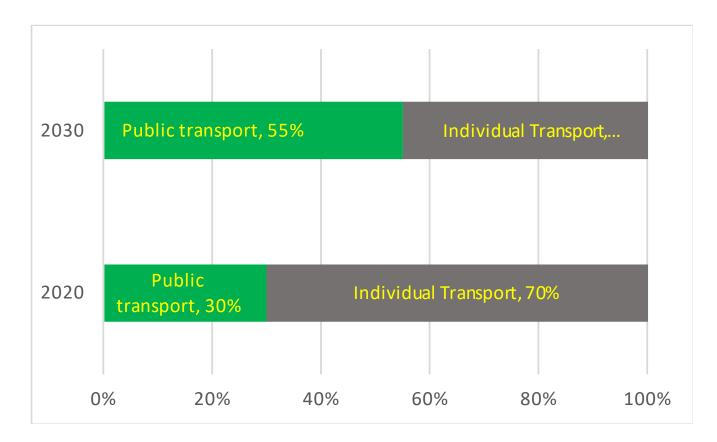






Opportunities: PUSH & PULL : HANOI VERSION

Strengthening Public Transpor Services



Opportunities: PUSH & PULL : HANOI VERSION

- Motorcycle Usage Control
 - Emission Test for Motorcycle (2018)
 - Motorcycle Inspection (2020)
 - Designed Motorcycle Restrictded Zone (2030)
- Car Usage Control
 - Parking Control (Odd-Even Plate Number, I-Parking 2017)
 - Parking Pricing(2018)
 - Congestion Charging (2020)
 - Designed Car Restrictded Zone (2030)
- Modernized Traffic Monitoring & Enforcement
 - Real-time traffic control centre (2020)
 - Enforcement Camera (2017)

