



**XXIVth World
Road Congress
Mexico 2011**
Mexico City 2011.

China – Responses to the effects of growth of number of vehicles and recent declines in the number of crashes and fatalities

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Outline



Road safety situation in China



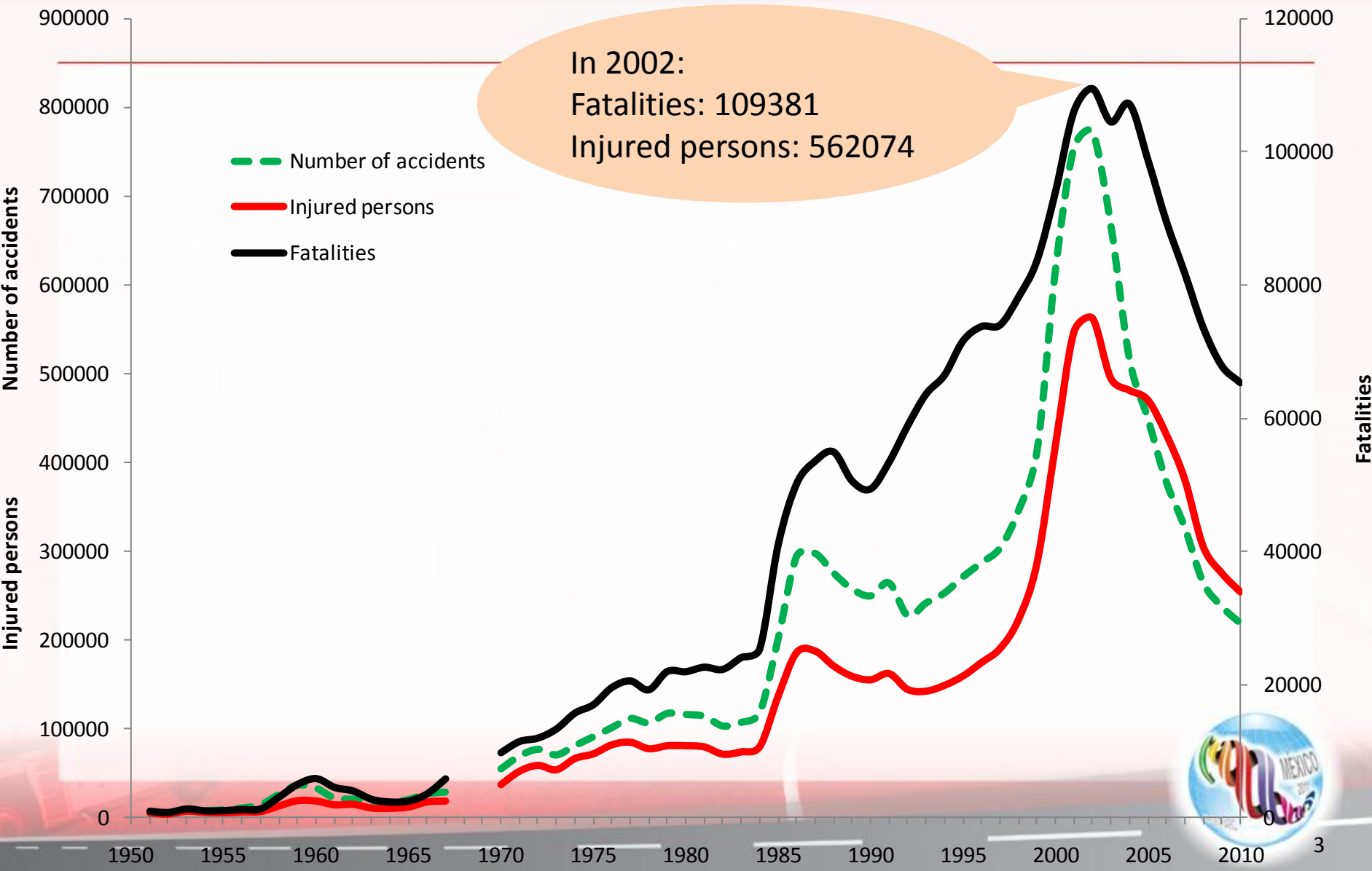
Highway safety in China



Measures to improve highway safety

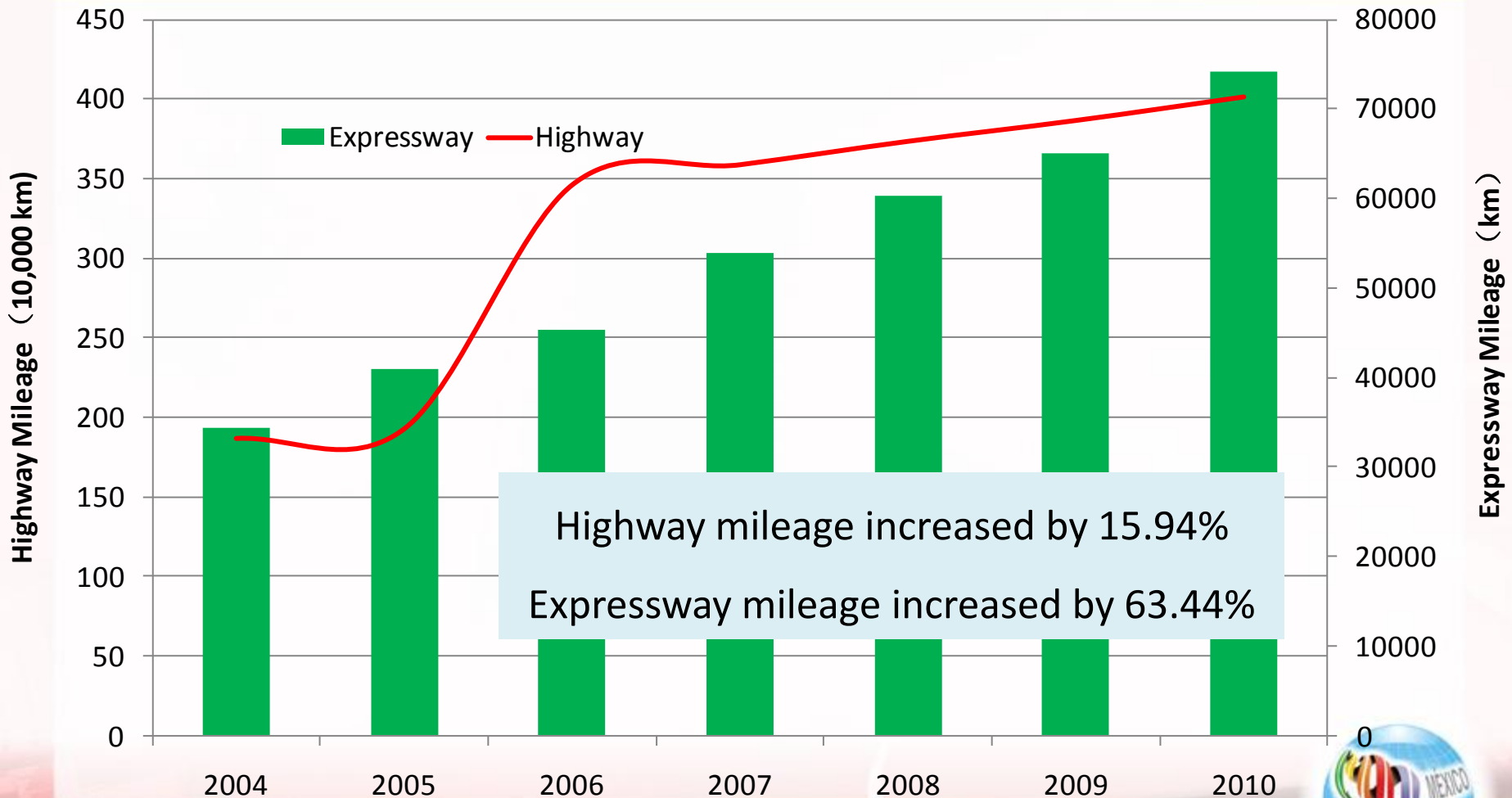


Road safety situation in China



Road safety situation in China

Significant increased highway mileage

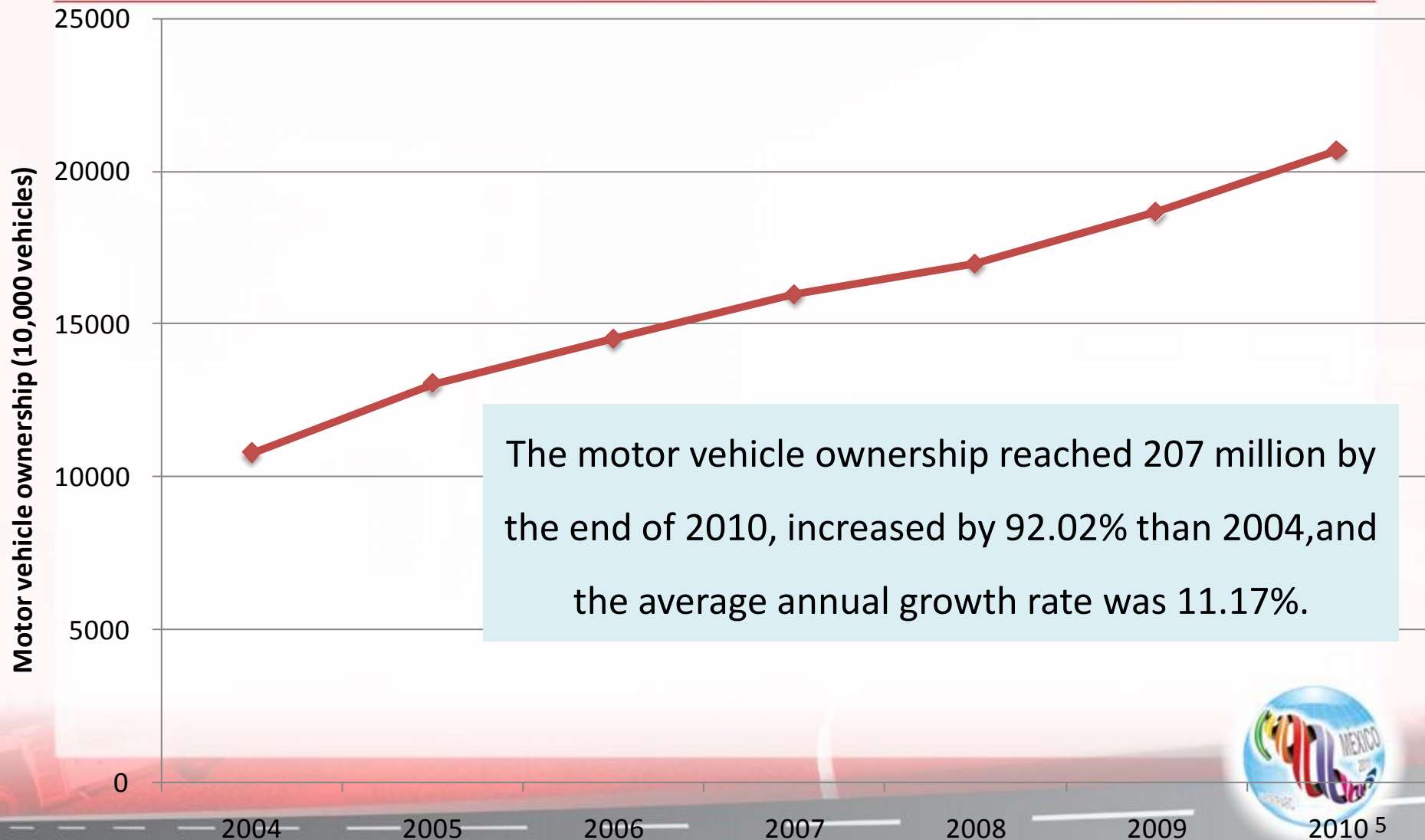


Note: Since 2006, the village highways have been included into highway mileage.



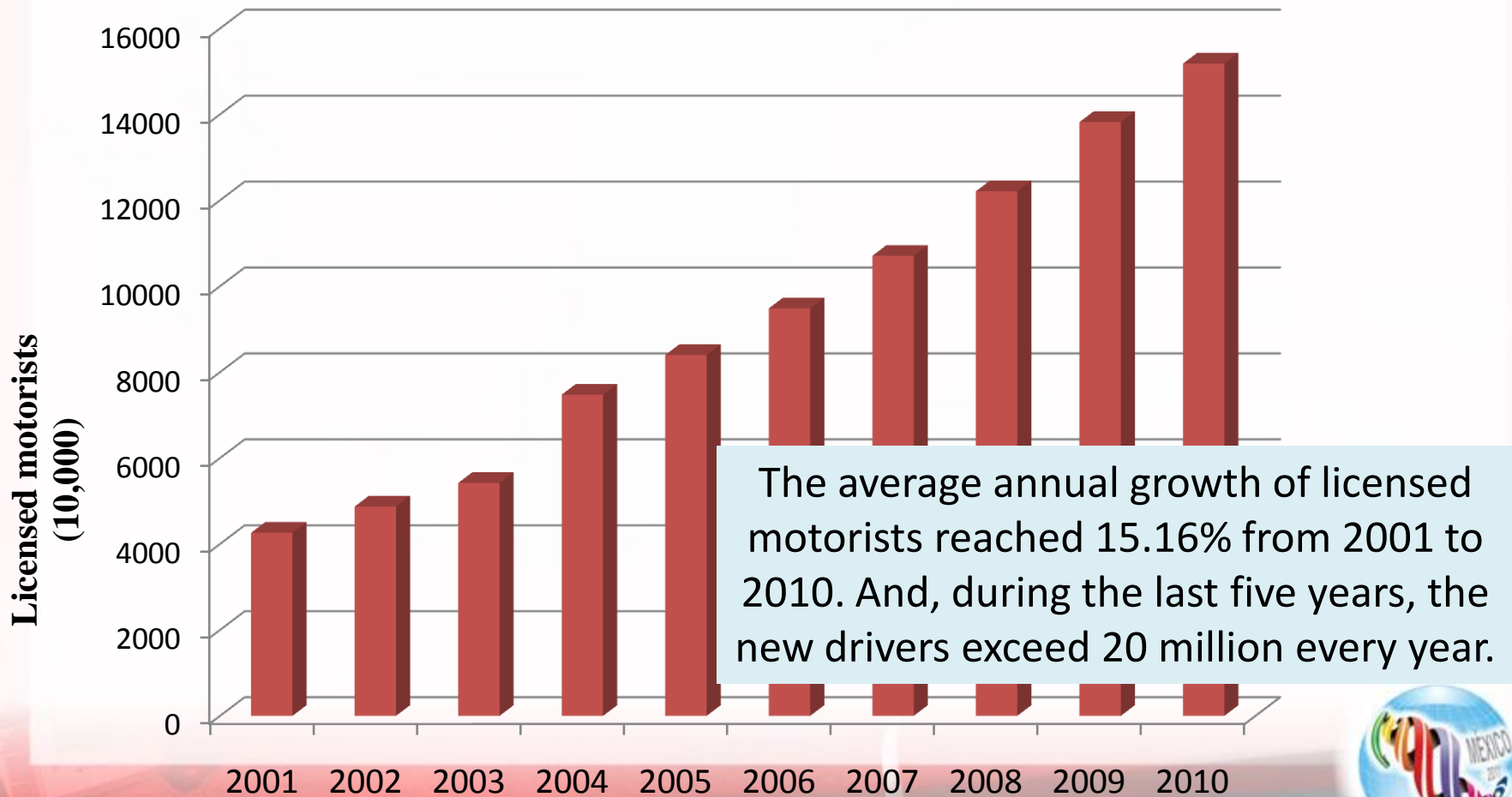
Road safety situation in China

Rapid growth of motor vehicle ownership



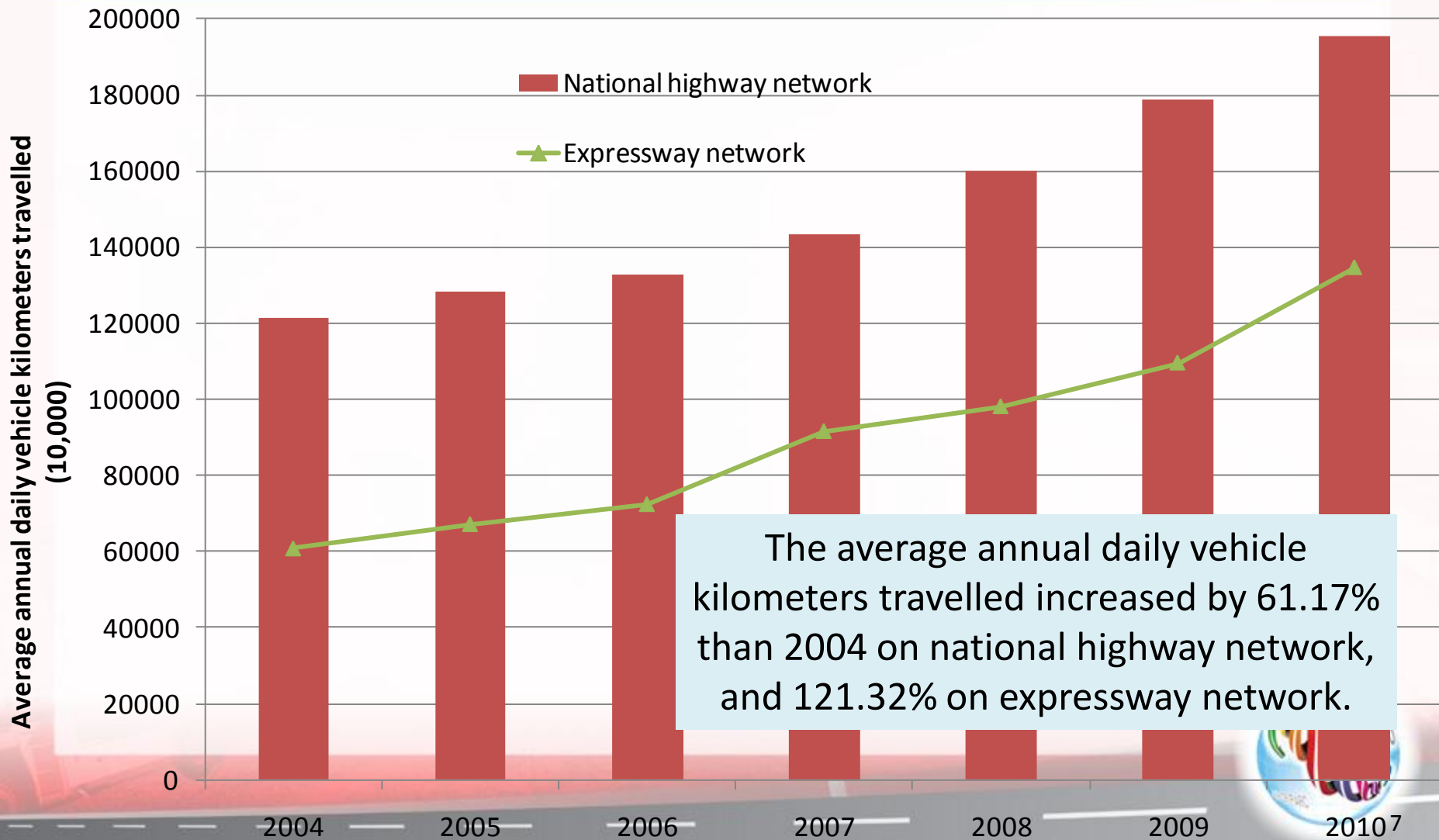
Road safety situation in China

Rapid growth of Licensed motorists

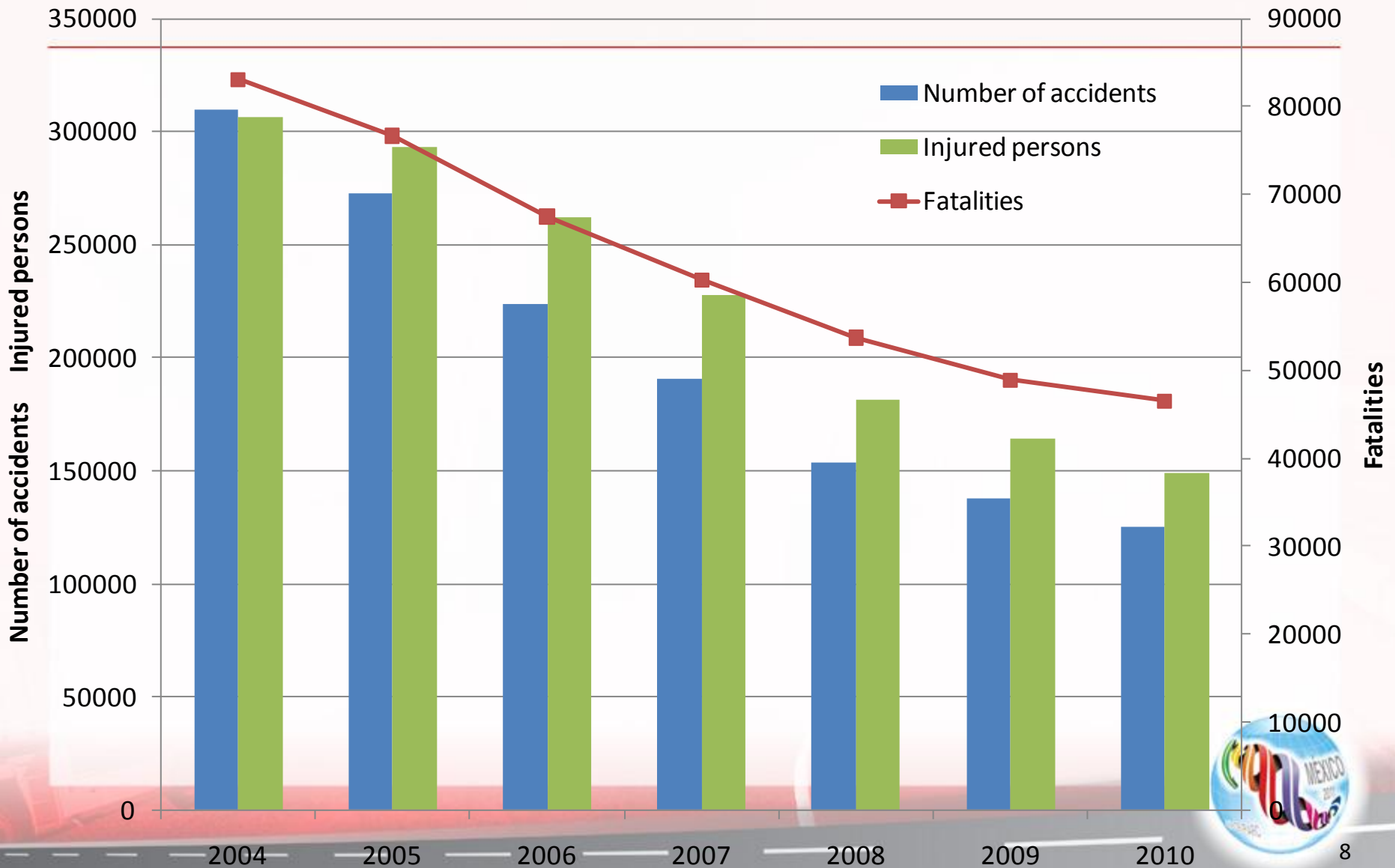


Road safety situation in China

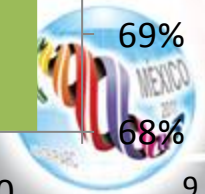
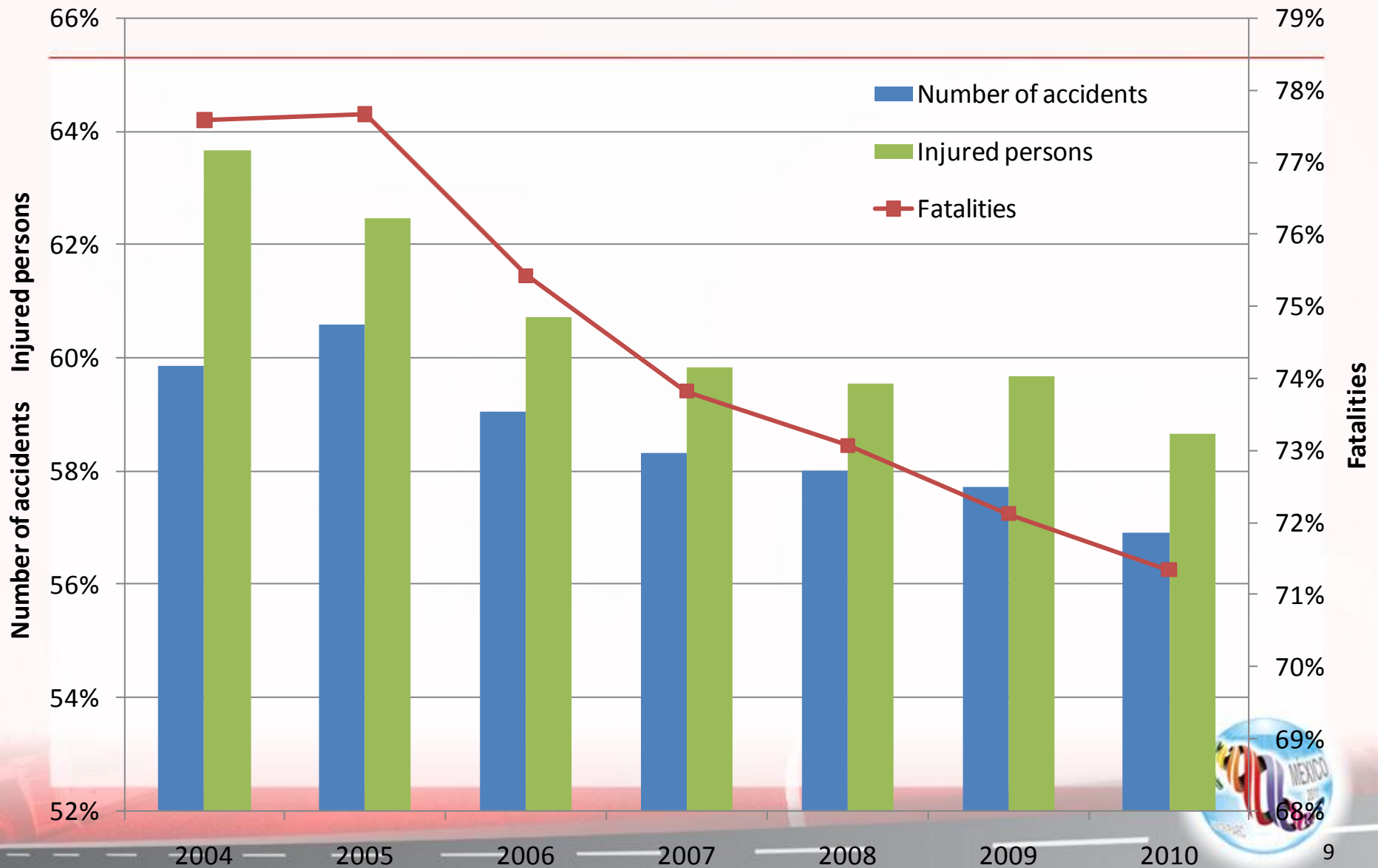
Rapid growth of vehicle kilometers travelled



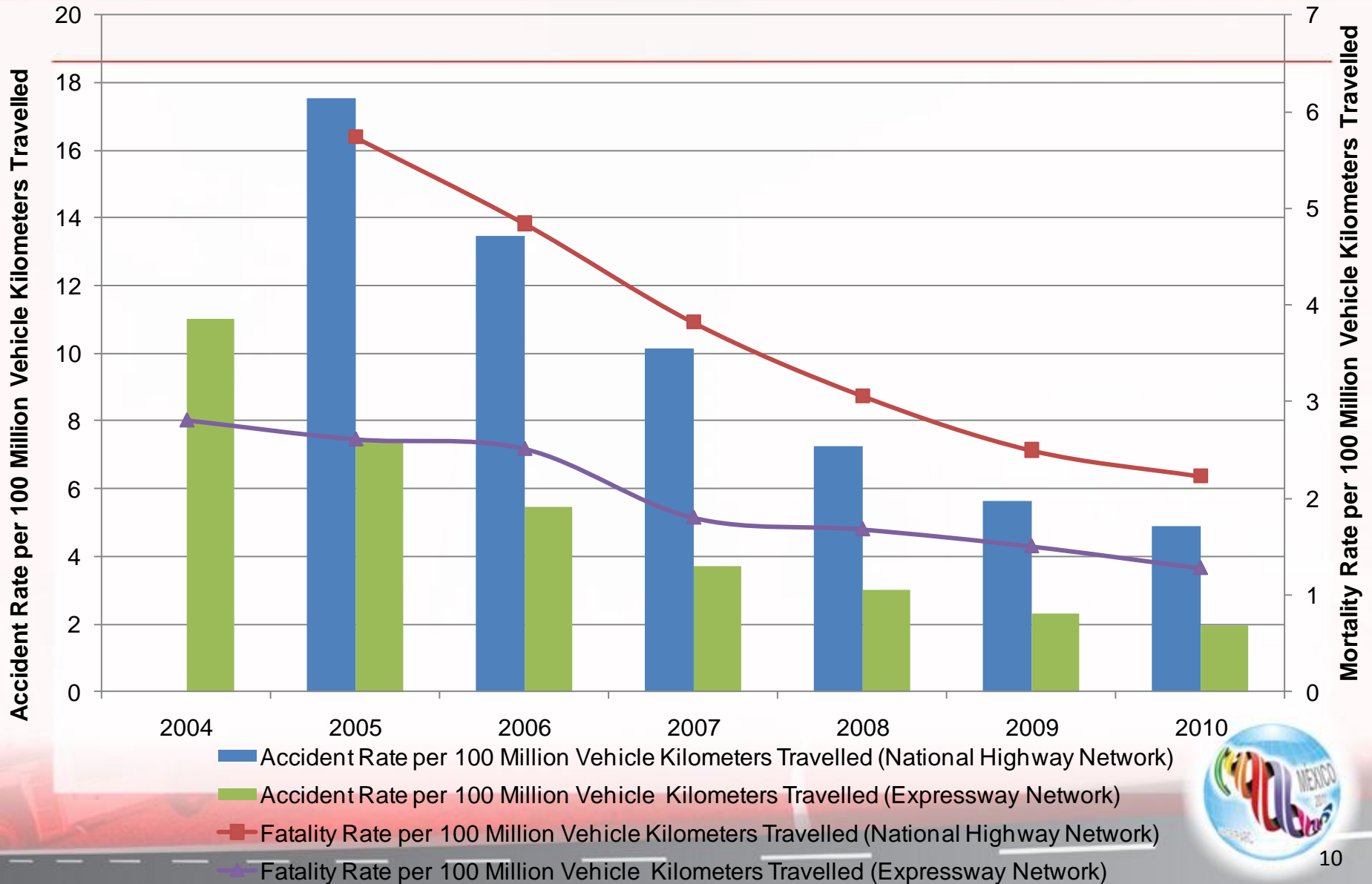
Highway safety in China



Highway safety in China

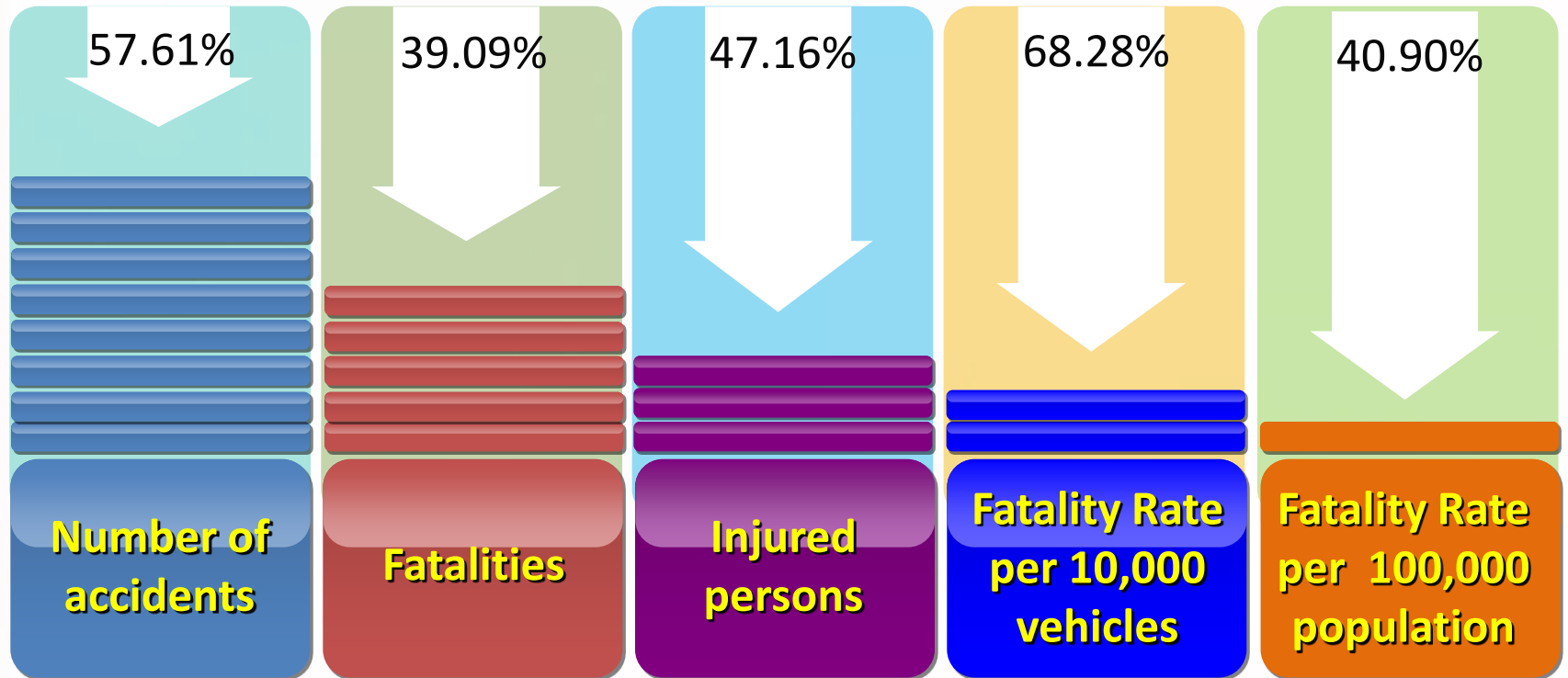


Highway safety in China



Road safety situation in China

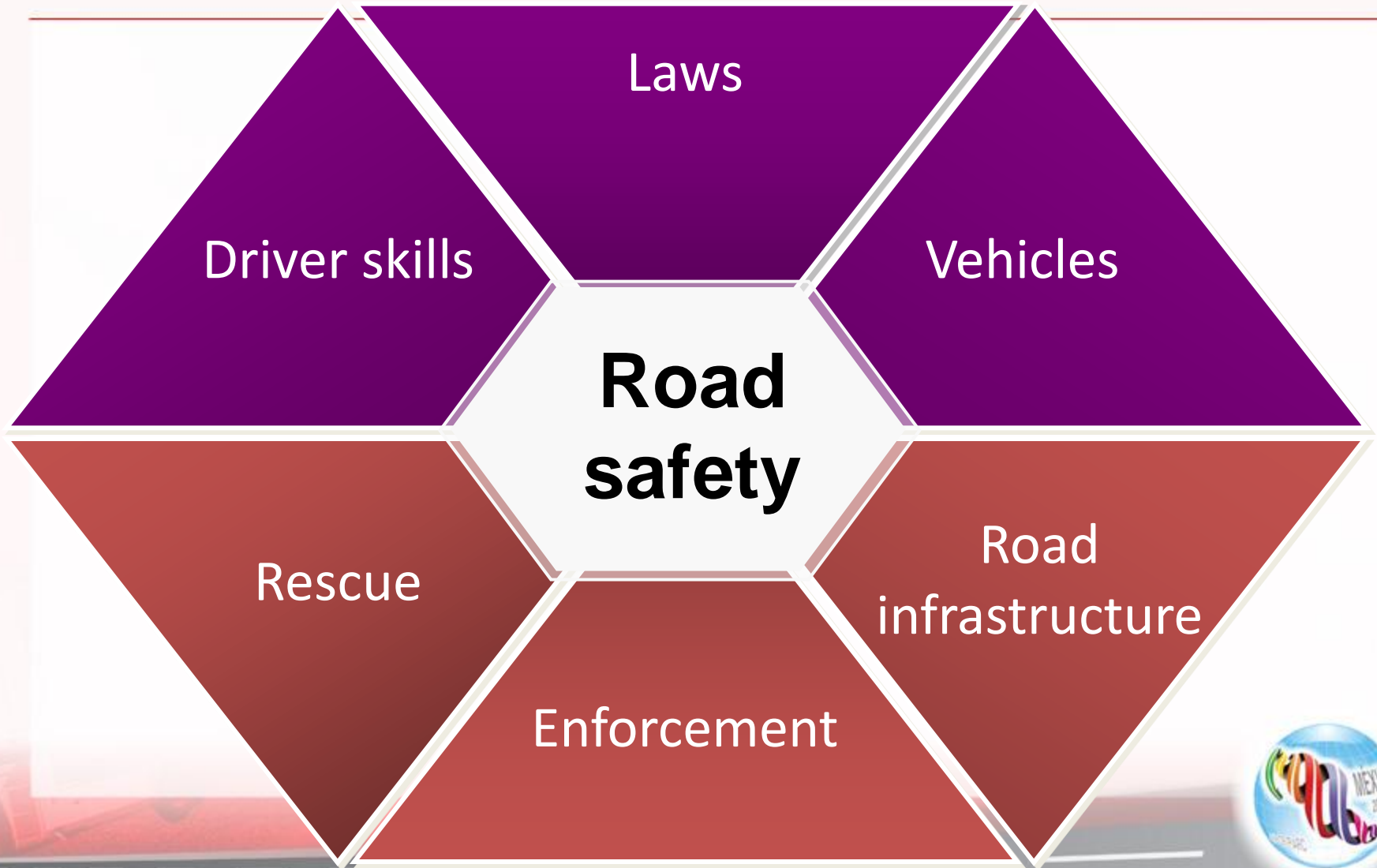
Significant decrease of main indicators



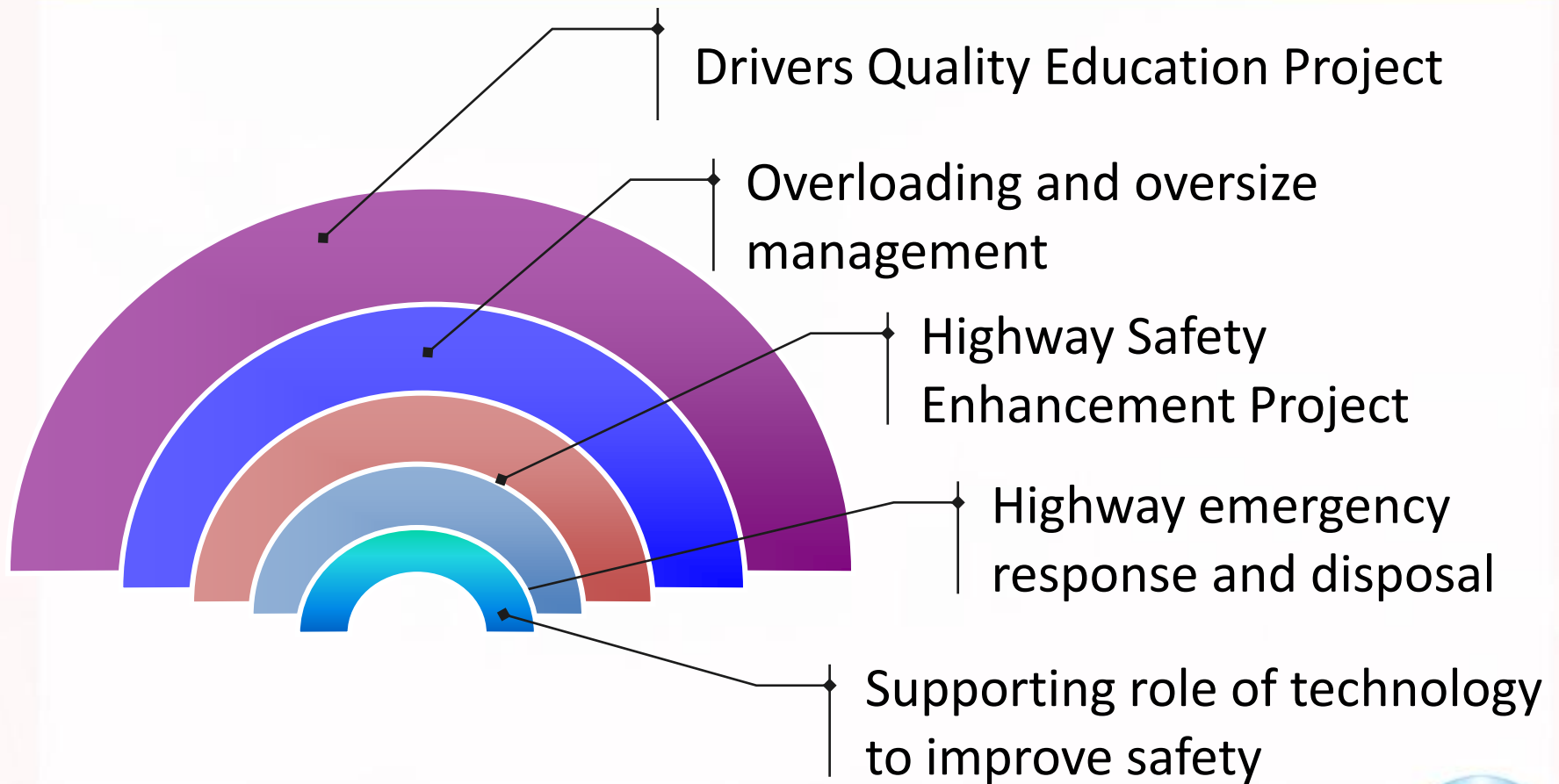
Compared to 2004, in 2010



Measures to improve highway safety



Measures to improve highway safety



Measures to improve highway safety

1. Drivers Quality Education Project

交通部发布驾驶员素质教育大纲3月1日施行

为向社会普及道路交通安全意识, 促进文明行车, 减少交通事故, 交通部2月24日发布了驾驶员素质教育大纲, 将于3月1日施行, 根据大纲编写的驾驶员素质教育教材《安全驾驶从这里开始》一同发行。

2004年

因驾驶员因素导致的交通事故占总数的: 89.8%
造成的死亡人数占总数的: 87.4%
受伤人数占总数的: 90.6%

大纲和教材

总体目标
培养驾驶员“安全第一、珍爱生命”的职业素质

四个新理念

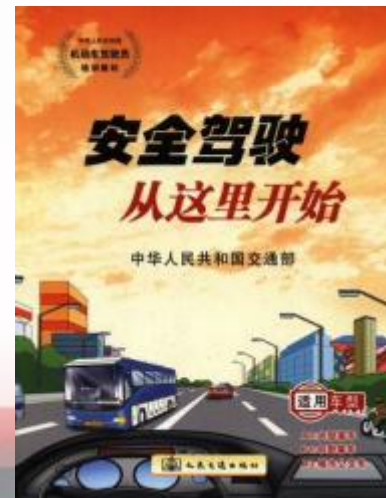
- 一是以“安全第一、珍爱生命”为准则, 注重培养驾驶员安全意识, 规范驾驶和文明行车
- 二是以“普及安全知识, 提高驾驶员素质”为目标, 注重培训内容的实际、实用和实效
- 三是以“科技创新”为动力, 推行“计时制”培训和驾驶模拟教学, 服务学员, 节约资源, 提高效率
- 四是以“案例和情景教学”为手段, 建立印象思维模式, 提高培训效果

大纲的实施将提高驾驶员在关键时刻的应急判断力和独立驾驶能力, 督促驾驶员牢记集中注意力、仔细观察和提前预防的三条通俗驾驶“黄金法则”, 文明驾驶, 平安出行。

来源: 新华网网评2004年3月1日



The accident rate due to the drivers with less than 3 years driving experience decreased by 5.5% annually from 2003 to 2009.



Measures to improve highway safety

2. Overloading and oversize management



- Publicity and education
- Enforcement
- Vehicle production and modification
- Tonnage calibration and licenses issued
- Transport market order reorganization
- Highway charge policy

The proportion of truck overloading on national trunk highways dropped from 80% to 6%.



Measures to improve highway safety

2. Overloading and oversize management

○ Check station



○ Enforcement team

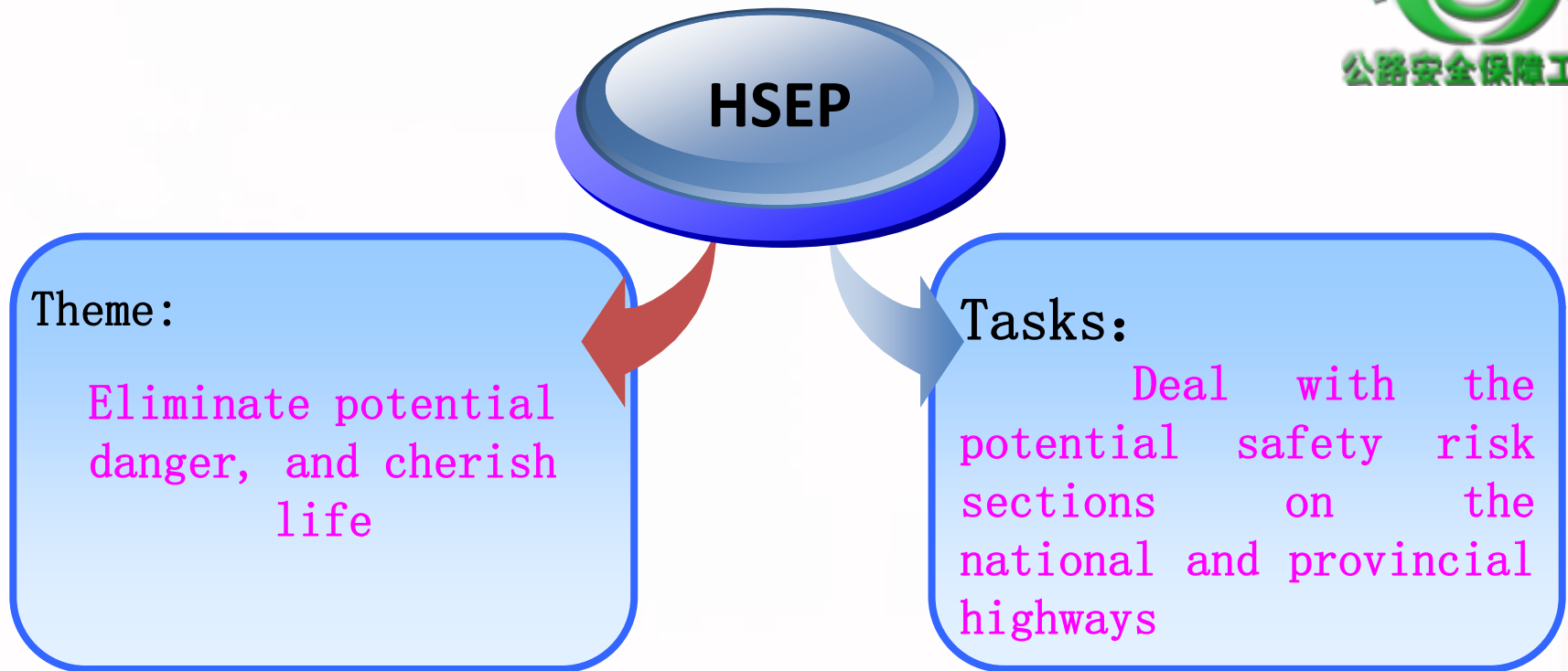


○ Check facility and system



Measures to improve highway safety

3. Highway Safety Enhancement Project



Since 2007, the rural highways have been included in the scope of the HSEP.



Measures to improve highway safety

3. Highway Safety Enhancement Project

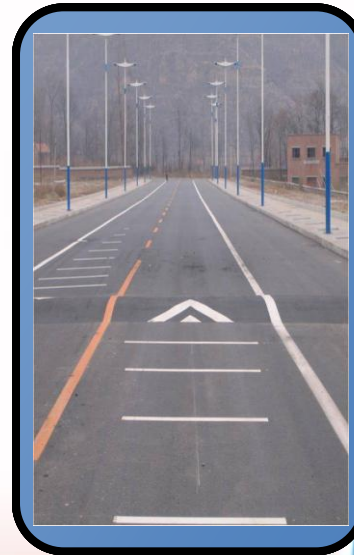


Safe

Tolerant

Flexible

Calming



Measures to improve highway safety

3. Highway Safety Enhancement Project



Measures to improve highway safety

3. Highway Safety Enhancement Project



1	2
3	4



Measures to improve highway safety

4. Highway risk management and emergency response

contingency plan

Support system

Inter-ministry cooperation

MOC issued the “Contingency Plan For Highway Traffic Emergency Incidents” in May 2009

交通运输部文件

交公路发[2009] 226 号

关于印发《公路交通突发事件 应急预案》的通知

各省、自治区、直辖市、新疆生产建设兵团交通运输厅(局、委),天津市市政公路管理局,上海市交通运输和港口管理局,部属各单位,部内各单位:

根据国务院有关要求,部总结 2008 年抗击低温雨雪冰冻灾害和汶川特大地震抗震救灾经验,对《公路交通突发事件应急预案》进行了修订,现予发布。2005 年原交通部发布的《公路交通突发公共事件应急预案》(交公路发[2005]

296 号)同时废止。

本预案是交通运输部应对特别重大公路交通突发事件的规范性文件,同时是全国公路交通突发事件应急预案体系的总纲及总体预案,请你们按照本预案的总体要求,进一步完善本部门相关预案。



Measures to improve highway safety

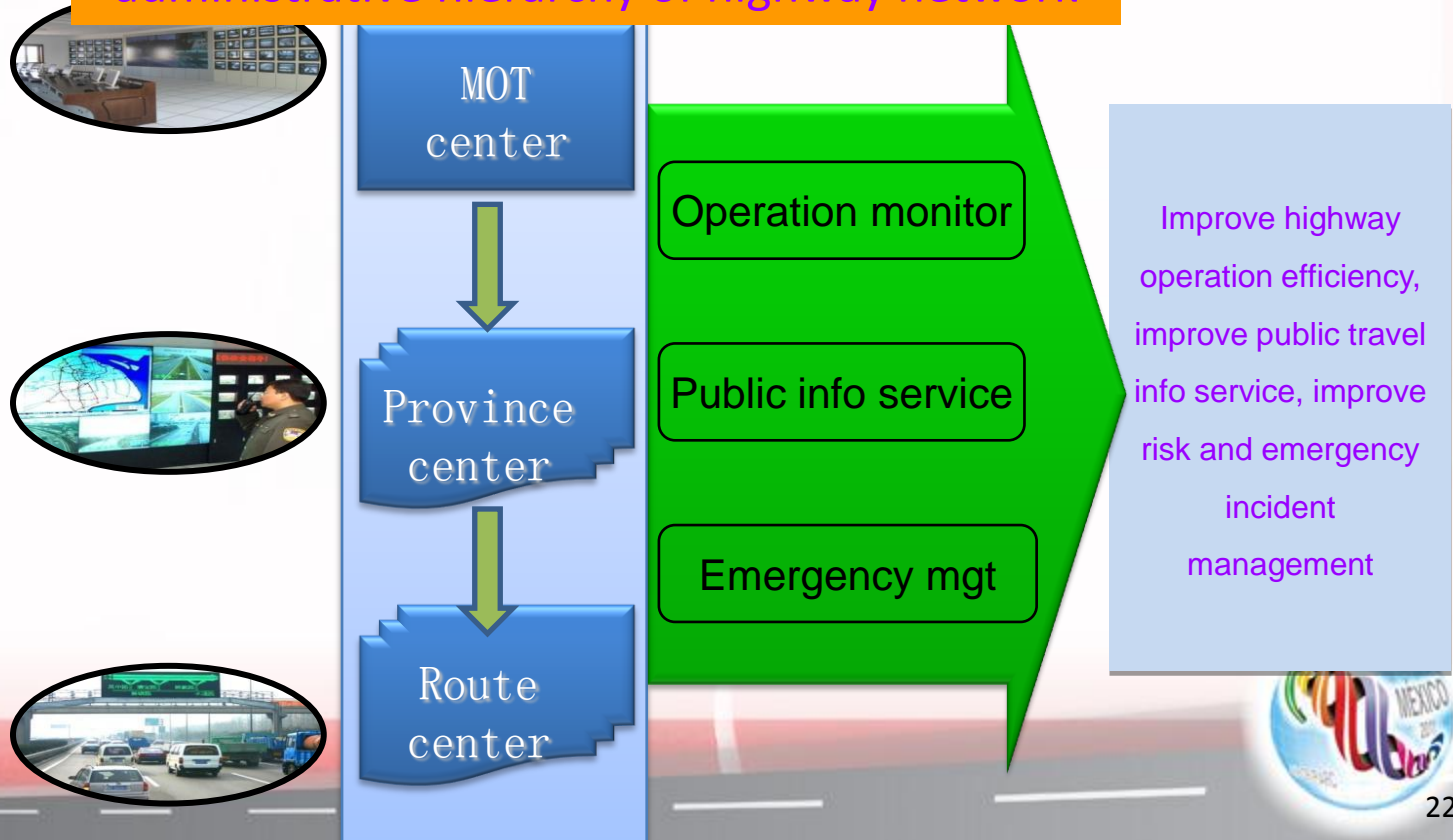
4. Highway risk management and emergency response

- contingency plan

- Support system

- Inter-ministry cooperation

administrative hierarchy of highway network



Measures to improve highway safety

4. Highway risk management and emergency response

- contingency plan

- Support system

- Inter-ministry cooperation

Highway monitoring & management office



Measures to improve highway safety

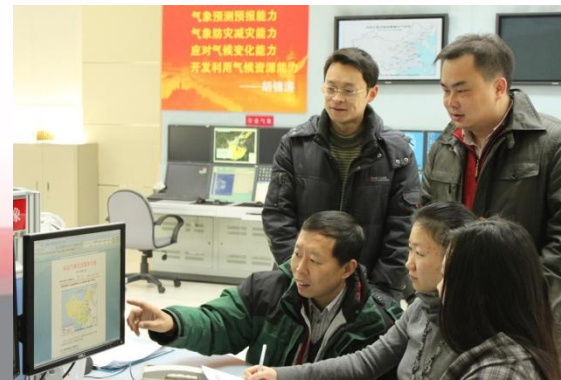
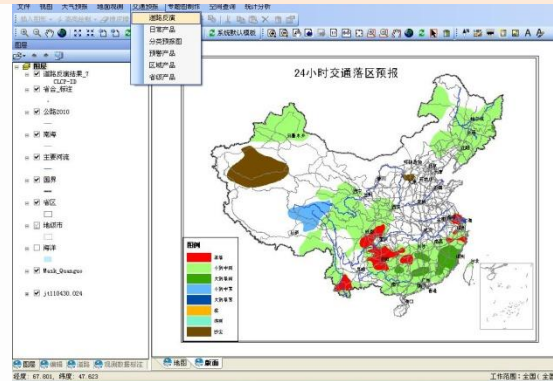
4. Highway risk management and emergency response

- contingency plan
- Support system
- Inter-ministry cooperation

Promote RWIS with CMA

Capacity Building: RWIS/team/related mechanism

MOT and CMA signed memorandum



Road weather info issue



Measures to improve highway safety

5. Supporting role of technology to improve safety

(1) MOT safety program: Technology and Application Study on Highway Safety

main subjects:

- **Fundamental theory and methods of road safety system**

Crash prediction, road safety manual, crash simulation, human factors

- **common and critical problems research in road safety**

Traffic signs settings, roadside safety technology, safety prevention facilities

- **application technology and countermeasures of typical road safety issues**

Fog section, long-steep slope, intersections, tunnel approach and exit, tourism road safety

- **Safety related data collection and application**
- **Develop and modification of Key road safety related manual or specifications**

Measures to improve highway safety

5. Supporting role of technology to improve safety

(1) MOT safety program: Technology and Application Study on Highway Safety



Measures to improve highway safety

5. Supporting role of technology to improve safety

(2) National Action Plan for Road Safety

Initiative of the Action Plan



Feb.18, 2008, Ministry of Science and Technology, Ministry of Transport and Ministry of Public Security jointly signed a cooperation agreement of “National Road Safety Science and Technology Action Plan” in the Great Hall of People.



Measures to improve highway safety

5. Supporting role of technology to improve safety

(2) National Action Plan for Road Safety

Phase of the Action Plan



5. Supporting role of technology to improve safety

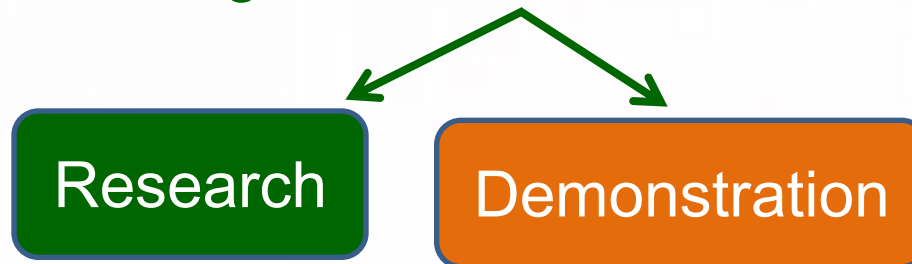
(2) National Action Plan for Road Safety

Funding in Phase I (2009~2011)

Total funding 129.2million US \$

Including

Central government funding 44.2 million US \$



Local government funding 85 million US \$



Theme of Phase I: Comprehensive prevention and control technology of fatal and serious injured accidents and demonstration

Projects in Phase I (2009~2011)

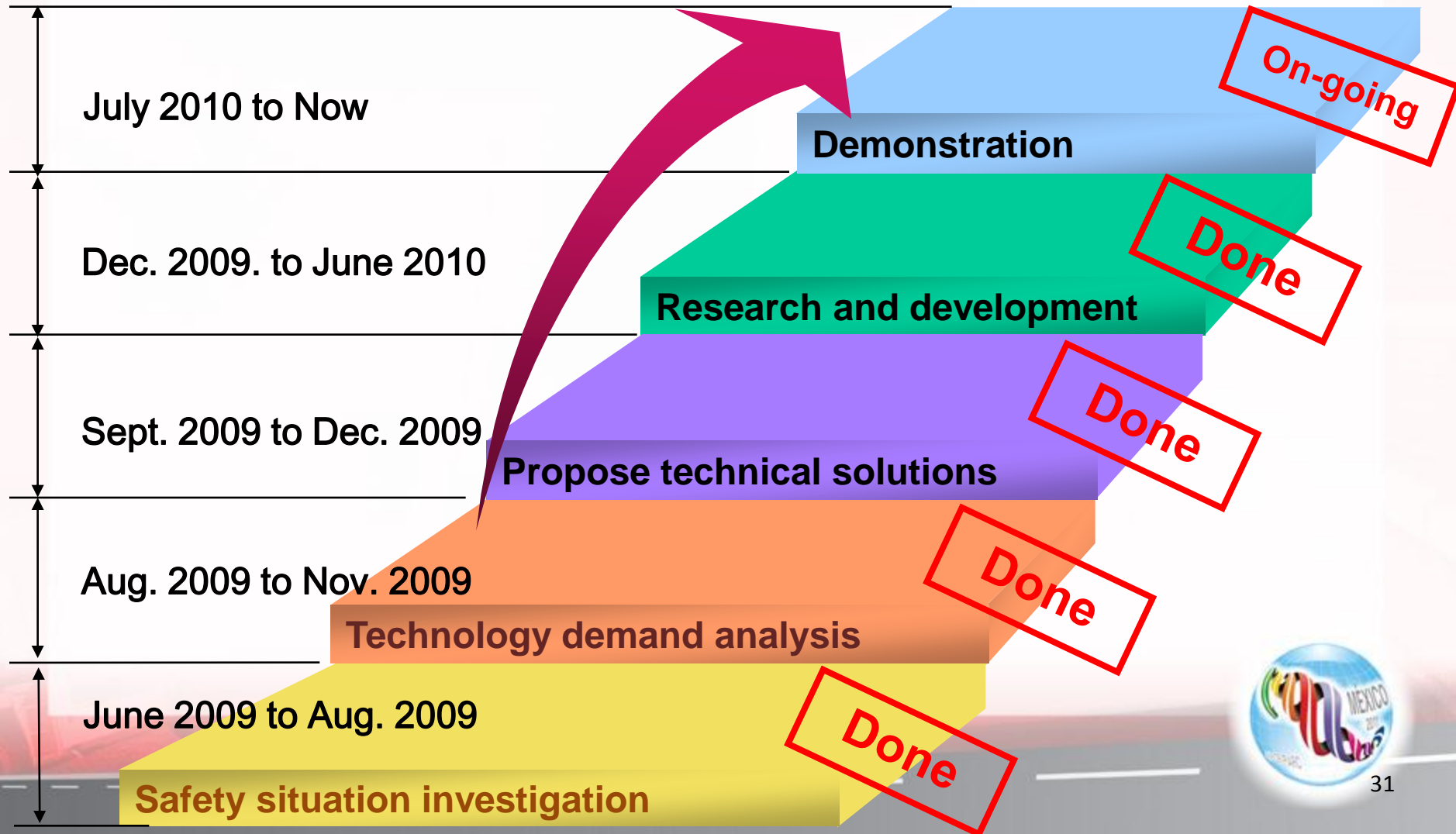
- **Sub.1:** Traffic safety data integration and exchange platform construction technology and demonstration
- **Sub.2:** Road network in mountain area safety enhancement technology and demonstration.
- **Sub.3:** Freeway safety and information service technology and demonstration.
- **Sub.4:** Commercial vehicle operation safety enhancement technology and demonstration.
- **Sub.5:** Road users safety enhancement technology and demonstration.
- **Sub.6:** Traffic safety monitoring, assessment, and management technology of road network.
- **Sub.7:** Road traffic enforcement technology and demonstration.



5. Supporting role of technology to improve safety

(2) National Action Plan for Road Safety

Update in Phase I





Thank You !

