Road Safety Initiatives at the International Transport Forum:

IRTAD 2016 annual report
Zero Road Deaths and Serious Injuries Report
Safer City Streets Initiatives

TRB Annual Meeting
Joint IRTAD / NHTSA Session on Analysis of international safety data

Tuesday 10 January 2017
1. IRTAD
2. 2016 Annual Report on Road Safety
3. Safer City Streets
4. New report of ITF on the Safe System
IRTAD

• Permanent working group under the umbrella of ITF and OECD
• Network of experts, representing key road safety stakeholders
• Mission
  – Networking for road safety professionals
  – World standard road safety database
  – Data analysis
IRTAD 80 members or observers from 40 countries
The database includes validated data from 32 countries

IRTAD-LAC
IRTAD 2016 Annual Report

IRTAD 2016 Report – Key Messages

• Since 2010, **fatalities decreased in all countries** except Chile and Argentina
• Between 2010 and 2014 fatalities **decreased by 8.8%** in IRTAD countries.
• Strongest decrease in **Norway, Greece, Portugal, Spain**
• 5 countries achieved fatality rates of three or less deaths per 100,000 inhabitants in 2014: **Iceland, Sweden, the United Kingdom, Norway and Switzerland.**
• At the other end of the scale, the rate was 12.3 in the worst performing IRTAD member and 26 per 100,000 among IRTAD observers
Evolution in the number of road deaths 2010-2015
Fatalities per 100 000 population (2014)
IRTAD 2016 annual report - Key Messages

• The number of 65+ fatalities increased in 16 countries
  – Ageing of the population

• Cyclist fatalities increased in 17 (out of 32 countries)
  – More cycling, emergence of e-bikes, more senior cycling

• Pedestrian fatalities increased in 10 countries
Road fatalities: 2015 in comparison to 2014

The positive trend faltered in 2015 when the number of road deaths increased in at least 19 countries.
Road fatalities: 1st Semester of 2016 vs 1st Semester of 2015
NL and UK, Jan – March
IRTAD and the Cities has become Safer City Streets

- A solution to better collect and analyse road safety data
- A key to design and evaluate policies
- Main features:
  - A network of experts
  - A global database
  - The support of IRTAD, a long-established database and network of experts at national level

Launch event during Habitat III
Miguel Mancera, Mayor of Mexico
Jean Todt, UN Special Envoy for Road Safety
Safer City Streets
the global traffic safety network
for liveable cities

• 17 cities already involved

• Population ranging 500,000 to 12m

• 9 cities have provided data
Zero Road Deaths and Serious Injuries
Leading a Paradigm Shift to a Safe System
The four principles of a Safe System

1. People make mistakes that can lead to road crashes

2. The human body has a limited physical ability to tolerate crash forces before harm occurs
Four Principles of a Safe System (cont’d)

3. A shared responsibility exists amongst those who design, build, manage and use roads and vehicles and provide post-crash care to prevent crashes resulting in serious injury or death.

4. All parts of the system must be strengthened to multiply their effects; and if one part fails, road users are still protected.
<table>
<thead>
<tr>
<th>What is the problem?</th>
<th>All crashes</th>
<th>fatal and serious injury crashes</th>
</tr>
</thead>
<tbody>
<tr>
<td>What is the appropriate goal?</td>
<td>Reduce the number of fatalities and serious injuries</td>
<td>Zero fatalities and serious injuries</td>
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<tr>
<td>What are the major planning approaches?</td>
<td>Reactive to incidents Incremental approach to reduce the problem</td>
<td>Proactively target and treat risk Systematic approach to build a safe road system</td>
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<tr>
<td>What causes the problem?</td>
<td>Non-compliant road users</td>
<td>People make mistakes and are physically fragile. Inconsistent guidance to users from varying quality of infrastructure and operating speeds.</td>
</tr>
<tr>
<td>Who is ultimately responsible?</td>
<td>Individual road users</td>
<td>Shared responsibility by individuals with system designers</td>
</tr>
<tr>
<td>How does the system work?</td>
<td>Isolated interventions</td>
<td>Combination of elements to produce a summary effect greater than the sum of the individual treatments</td>
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</tbody>
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“Zero Road Deaths” study wins International Road Safety Award
6TH IRTAD INTERNATIONAL CONFERENCE: MARRAKESH (Morocco), 11 13 October 2017

Call for papers in February
Thank You
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