

# Celebrating success

UN Decade of Action for Road Safety  
Case Study 4

# ChinaRAP



**150,000km  
Star Rated  
and 30,000km  
upgraded**

ChinaRAP is a collaboration between iRAP and the Research Institute of Highway (RIOH), Ministry of Transport (MoT). Seed financial support has been provided through the World Bank Global Road Safety Facility by Bloomberg Philanthropies and now ten times that amount is mobilized by the Chinese Government.

## Key achievements

With a team that has grown from 2 to 11 members, ChinaRAP has driven major policy, road upgrade and public health outcomes including the:

- Star rating of 150,000km of existing roads.
- Upgrade of 30,000km of high-risk roads already.
- Production of national guidelines on the ChinaRAP process and safety countermeasures for installation. The guide gives road authorities 'permission' to try countermeasures that go beyond traditional design standards.
- Safe road design training for over 2,000 engineers in 12 provinces.
- Assistance to 12 provinces to conduct risk assessments of more than 100,000km of roads, involving the mobilisation of more than 100 people in road surveys and 300 people in road attribute coding activities.
- An investment of US\$1.8 billion in safety countermeasures over the next 5 years, including the expected treatment of high-risk sections on up to 65,000km of roads by the end of 2017.
- Receipt of the 2016 prestigious 5-Star Performer Award at the 9th Asia Pacific Road Safety Conference in Beijing.

An early aim of the ChinaRAP collaboration was to support the development and implementation of the second phase of the central government's Highway Safety Enhancement Project (HSEP). The first phase (2004-2013) was perhaps the largest road infrastructure safety program in the world, involving the investment of US\$5 billion to treat 366,000km of roads. ChinaRAP is now at the centre of a scaled-up HSEP branded as the 'Highway Safety to Cherish Life' project.

## Engaging internationally for success

International engagement through project delivery and technical and knowledge exchange has been a critically important part of ChinaRAP's development. The team has participated in World Bank and Asian Development Bank projects in China to build project delivery experience and demonstrate the applicability of risk assessments. Since 2012, the team has been involved in 13 projects with a combined value of more than US\$2.4 billion. In addition, the RIOH team has contributed strongly to the innovative development of the iRAP Star Rating Demonstrator at the global level and provided project support in Cambodia, Australia, New Zealand and Yemen.

## For more information

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## TIMELINE FOR SUCCESS

- 2008 iRAP and MoT sign MOU
- 2009 MoT participate in global iRAP events (2009-2016) and join the Global Technical Committee
- 2009 Local pilot studies undertaken around Beijing
- 2010 World Bank GRSF and Bloomberg Philanthropic support allows scaling up of pilot study activity across a number of provinces (2010-2016)
- 2012 iRAP Regional Director for Asia Pacific based at MoT offices (2012-2016)
- 2014 China State Council announce multi-billion dollar Highway Safety to Cherish Life initiative
- 2015-2017 150,000km of roads assessed and over 30,000km upgraded (2015-2016) and a further 35,000km of upgrades expected in 2017.



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