



Global Road Safety Facility

THE INTERNATIONAL  
DONOR-FUNDED  
PARTNERSHIP MAXIMIZING  
ROAD SAFETY DELIVERY

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# DRIVER – The Bank’s Sustainable Solution for Road Crash Data Management

If you are reading this, you probably already know that 1.3 million people are killed on the world’s roads each year and another 20-50 million are seriously injured – *90 percent of these tragedies occur in developing countries*. Having such figures help us understand the gravity of the epidemic we are facing; however, when we look at most low- and middle-income countries’ road crash data, the official numbers often do not match up with the reality of their roads. Many road crashes go un-reported, certain incidents – such as those involving cyclists or property damage-only – are under-reported, and in a vast number of records, the data are incomplete (lacking even the location of the crash). Being able to **efficiently and accurately collect, analyze, and report road crash data**, is the first step to tackle this problem, and this is where **DRIVER** comes into play.

Developed by the World Bank in 2013, the **Data for Road**



**Incident Visualization, Evaluation, and Reporting (DRIVER)** system, is a free web-based, open-source platform that improves the collection, management, analysis, and reporting of road crash data by enabling multiple agencies such as the police, health care providers, and local/national government agencies, to geo-reference road incidents in the same database in real time. It was first piloted in two Philippine cities, Cebu and Manila and since

then, the GRSF has supported the improvement and deployment of DRIVER through workshops, pilot projects, implementation support and scale-up in countries such as Brazil, Bangladesh, India, Kazakhstan, Laos, Thailand, Vietnam, and Saudi Arabia.

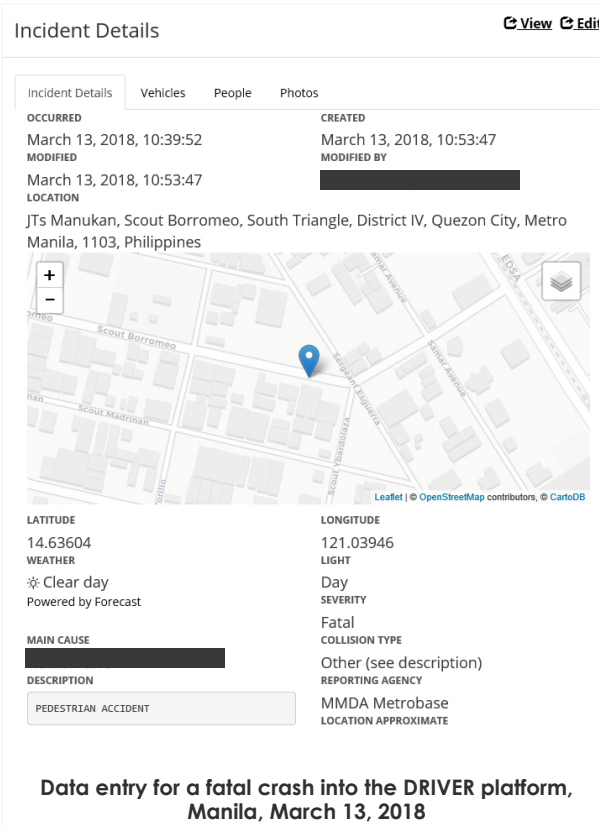
In the Philippines, thanks in part to GRSF's support, a **Memorandum of Agreement** was signed in November 2017 between all relevant stakeholders responsible for road crash data to make DRIVER the official platform in the country. In light of this, a **National Road Safety Unit** with dedicated staff for the platform was created to support its nationwide scale-up, which is currently being carried out by the Philippines National Police.

The GRSF, along with funding support from its partners, is working to improve the functionality of DRIVER and deploy it to other countries and municipal governments, including Fortaleza, Ho Chi Minh City, Mumbai, and Sao Paulo. The system is gaining traction with a number of Bank lending operations where clients are interested in exploring operationalization of the platform as well as through a potential alignment with the Bank's efforts to establish a **Road Safety Observatory in Africa**.

In addition to its multi-agency use, some of the key features of DRIVER includes its ability to customize and share data with the public; to collate and compare across states/provinces, cities and countries that are using DRIVER; as well

as to predict blackspots, economic costs of crashes, and track efficacy of interventions. The platform is currently offered in nine languages – English, Chinese, Thai, Arabic, Vietnamese, Spanish, Portuguese, Lao, and Bengali – and is compatible with an Android mobile application for field data entry.

To find the open-source code, please go to <https://github.com/WorldBank-Transport/DRIVER>.



The screenshot shows the 'Incident Details' page in the DRIVER platform. It includes tabs for 'Incident Details', 'Vehicles', 'People', and 'Photos'. The incident occurred on March 13, 2018, at 10:39:52. The location is identified as 'JTs Manukan, Scout Borromeo, South Triangle, District IV, Quezon City, Metro Manila, 1103, Philippines'. A map shows the location with a blue pin. The weather is 'Clear day'. The severity is 'Fatal', and the collision type is 'Other (see description)'. The reporting agency is 'MMDA Metrobase'. The description is 'PEDESTRIAN ACCIDENT'. The page also shows 'LATITUDE: 14.63604', 'LONGITUDE: 121.03946', and 'LOCATION APPROXIMATE'.

**Data entry for a fatal crash into the DRIVER platform, Manila, March 13, 2018**

To learn more about GRSF, please visit: [www.worldbank.org/grsf](http://www.worldbank.org/grsf)

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