



## IRF/CHTS/gTKP 2<sup>nd</sup> International Convention on Rural Roads Jinan, Shandong, China – 27-29 October 2010

### Pre-Convention HDM-4 Workshop and Users Meeting 26 October 2010

In 2000, the World Road Association (PIARC) released a new decision support software tool for road investments: **the Highway Development and Management system – HDM-4**, together with a substantial body of published knowledge and research results: the Highway Development and Management Series. These publications provide to road asset analysts and managers new benchmarks for good practice in the techniques for analysing the worth of road investments, and the economic, social and environmental impacts on communities of road system development, operation and maintenance.

The World Road Association and its partners in the HDMGlobal have continued to develop new and expanded capabilities for the HDM-4 tool leading to the publication of HDM-4 version 2, including:

- Sensitivity Analysis
- Improved models for unsealed roads
- Budget Scenario Analysis
- Improved models for sealed roads
- Multi-Criteria Analysis (MCA)
- New and extended cases studies
- Asset Valuation
- Software improvements

Practitioners in many countries have developed experience in applying the HDM-4 model to many investment and road management studies, involving network asset management strategies, development of network works programs, project-level life cycle asset studies, asset performance research, and many others.

HDM-4 has built on the earlier highway cost models of the 1970's, and subsequent research and progressive software developments, with Knowledge being at the centre of the technology. The knowledge underpins many operational tools, including the World Bank's RED model, and other custom built or vendor supplied systems.

The workshop –

- will target the needs of senior policy officials and managers
- focus on rural road applications including setting maintenance and investment policies, project selection and network wide analysis
- introduce the institutional benefits of access to HDM-4
- set HDM-4 in the context of other systems.

2:00 – 2.15	Welcome
2.15 – 2.45	Introduction to HDM-4 version 2 and its use in rural road planning, evaluation and road management
2.45 – 3.10	HDM-4 demonstration and case study examples from throughout the World
3.10– 3.30	DISCUSSIONS
3.30 – 3.50	Break
3.50 – 4.05	HDM-4 and other planning systems
4.05 – 4.20	Future & Current Developments of HDM-4
4.20 – 4.30	HDM-4 User Support
4.30 – 5.00	Q&A Session
5.00 – 5.15	Closing Session

The workshop is planned to accommodate up to 40 participants and your interest is welcome. Those participants wishing to contribute a formal presentation should inform the organizers. Contributions are welcome.

Register your interest at: [int.enquiries@arrb.com.au](mailto:int.enquiries@arrb.com.au)

