

## Preface

No country can neglect the transport sector in its endeavours to reduce carbon dioxide (CO<sub>2</sub>) emission as the sector emits a lot. The difficulty in this sector, particularly in road transport, is that there currently are no real practical alternatives to internal combustion engine (ICE) technology and fuel. As a mature technology, ICE provides great comfort and convenience for car owners.

We are observing rapid changes in energy, transportation, and information technologies. Renewable energy is gaining competitiveness in the energy field. More electric motor vehicles have become commercially available. New applications of information technologies, such as autonomous driving, are being tested. These phenomena seem to provide countries with unexpected opportunities to mitigate CO<sub>2</sub> emission in the transport sector.

Malaysia is not an exception in encountering challenges to reduce CO<sub>2</sub> emission in the transport sector; and it has an opportunity to take full advantage of such new technologies. I hope this study will serve as a reference for Malaysia to pave the way for a brighter future.

Ichiro Kutani

Working Group Leader

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