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Media Release

MALAYSIA LAUNCHES CLIMATE ACTION SIMULATOR: ENHANCING COMMUNICATION, EDUCATION AND PUBLIC AWARENESS OF GHG EMISSIONS

KUALA LUMPUR, 6 OCTOBER 2023 – The Ministry of Natural Resources, Environment and Climate Change (NRECC), in collaboration with the Malaysian Green Technology and Climate Change Corporation (MGTC), have proudly launched the Malaysia Climate Action Simulator (MCAS). YB Nik Nazmi Nik Ahmad, the Minister of NRECC, led the official launch ceremony at the prestigious International Greentech & Eco Products Exhibition & Conference Malaysia (IGEM 2023), which took place from 4-6 October at the Kuala Lumpur Convention Centre.

Funded by the **UK Government’s International 2050 Calculator Programme** and supported by esteemed technical partners, **Mott MacDonald, Imperial College London, Ricardo, and CLIMACT**, MCAS is a groundbreaking tool designed to empower users to simulate technically feasible low-carbon future scenarios up to the year 2050. It offers a dynamic visualisation of Malaysia’s carbon emission trajectory and facilitates a comprehensive exploration of diverse pathways to mitigate greenhouse gas (GHG) emissions across critical sectors, including energy, transport, building, industry, land use, and waste.

MCAS is a versatile communication tool to increase public awareness about the critical role of technology, policy, and behaviour in reducing GHG emissions. Furthermore, it is a valuable reference tool for businesses transitioning towards green technology solutions. Featuring an interactive and user-friendly web interface, MCAS empowers users to simulate different behaviours, navigate technological options, select potential pathways, and identify sector-specific roles.

It also offers a common language for discussion on climate change mitigation measures. It provides the means to plan and visualise decarbonisation pathways and make a comparative analysis. MGTC will actively engage potential users through events dedicated to introducing and demonstrating MCAS as an educational and awareness communication tool. This outreach will primarily target industry stakeholders, universities, research institutes, non-governmental organisations, and the public.

GCEO of MGTC, Ts. Shamsul Bahar Mohd Nor, expressed enthusiasm about the future of MCAS, saying, “MGTC has strategic plans to collaborate with universities in developing educational modules centered around MCAS and integrating it into the university curriculum. Additionally, MCAS remains open for further research contributions, aiming to facilitate more informed and rational decisions on various pathways to mitigate GHG emissions in Malaysia.”

Her Excellency Ailsa Terry CMG, British High Commissioner to Malaysia, welcomes the rebrand and launch of the Malaysia carbon pathway calculator - MCAS, and said, “The UK is working closely with international partners like Malaysia to address the global climate challenges. Since 2012, the UK has committed £6 millions of International Climate Finance

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to international community to support the creation of their respective 2050 Calculators. So far, we have helped create 19 national and 6 regional Calculators which have been used to develop NDCs and action plans, raise awareness and inform long-term strategies.

“The launch of MCAS is a culmination of our knowledge sharing and technical collaboration with Malaysia, and I am pleased that it plays a role in mitigating greenhouse gas emissions across key sectors in Malaysia. This is part of our ongoing ambitious partnership with Malaysia to address the shared challenge of climate change and energy transition.”

Mott MacDonald’s 2050 Calculator Programme Country Manager in Malaysia, Danny Giam, who has overseen the development of MCAS said “Mott MacDonald is delighted and excited to see the launch of the Malaysia Carbon Calculator (MCAS) come to fruition. I am excited and look forward to seeing the tool being adopted by various stakeholders from different backgrounds in the near future. It will be an important enabler in Malaysia’s journey to achieve zero net emission by 2050.”

To access the Malaysia Climate Action Simulator (MCAS) webtool and embark on the journey towards a sustainable, low-carbon future, please visit www.mcas.my.

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About Malaysian Green Technology and Climate Change Corporation (MGTC)

MGTC is an agency under the Ministry of Natural Resources, Environment and Climate Change (NRECC) mandated to accelerate green growth, advance climate action and inculcate a green lifestyle.

Guided by the National Green Technology Policy (NGTP), the National Policy on Climate Change (NCCP), Green Technology Master Plan 2017-2030 (GTMP) and the Twelfth Malaysia Plan, MGTC carries out programmes and initiatives to support stakeholders at all levels.

By 2030, through its various programs and initiatives MGTC aims to facilitate RM100 billion in green investments, create 230,000 green jobs and help Malaysia achieve its net-zero GHG emissions as early as 2050 target.