

































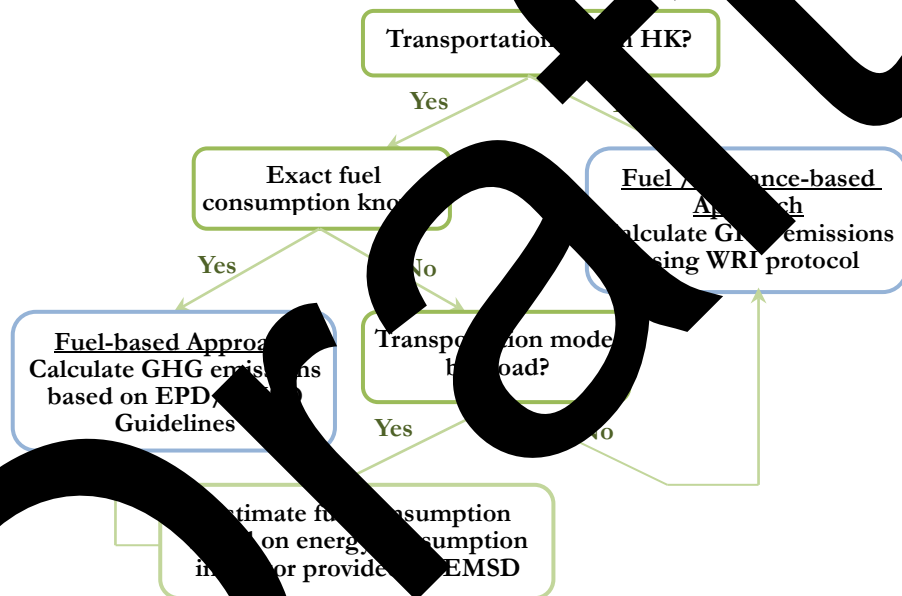








measure the GHG emissions generated from the off-site transportation associated with the studied steel product from “cradle to site” (see Figure 5). When transportation is outside Hong Kong or the fuel consumption of non-road transport is not known. The fuel / distance-based approach is applicable to the case. The transport emissions associated with the steel product can be measured by adopting the WRI’s protocol, namely “Mobile Combustion GHG Emission Calculation Tool<sup>5</sup>” (version 2.5, 2013) or equivalent tool if deemed appropriate. The fuel-based approach only applies to the case when the transportation happens within Hong Kong and the fuel consumption data are known. The fuel-based emission factors can be obtained from the EPD / EMSD guideline, namely “Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong<sup>6</sup>” (2010 Edition). Fuel consumption data can also be estimated based on energy consumption indicators as provided by EMSD Energy Consumption Indicators<sup>7</sup>.



**Figure 5. Method Selection for Transportation Emissions Calculation**

Note: If the transportation occurs within Hong Kong, the emissions arising from product transportation can be ignored within the “cradle-to-site” system boundary as stipulated in Section 3.1.

**iv) Land Use**

The GHG emissions and removals occurring as a result of direct land use change shall be assessed in accordance with internationally recognised methods such as the IPCC Guidelines for National Greenhouse Gas Inventories and included in the CFP. If plant-specific data are applied, they shall be transparently documented in the CFP study report. If a national approach is used, the data shall be based on a verified study, a peer reviewed study or similar scientific evidence and shall be documented in the CFP study report. Indirect land use change can be ignored in CFP studies under

<sup>5</sup> The tool is accessible at [http://www.ghgprotocol.org/files/ghgp/Transport\\_Tool\\_v2%205-1\\_0.xlsm](http://www.ghgprotocol.org/files/ghgp/Transport_Tool_v2%205-1_0.xlsm).

<sup>6</sup> The guideline is accessible at [http://www.epd.gov.hk/epd/english/climate\\_change/files/Guidelines\\_English\\_2010.pdf](http://www.epd.gov.hk/epd/english/climate_change/files/Guidelines_English_2010.pdf)

<sup>7</sup> The indicators are accessible at: [http://ecib.emsd.gov.hk/en/indicator\\_trp.htm](http://ecib.emsd.gov.hk/en/indicator_trp.htm)



















