

1.1. Introduction

In this chapter, summary of research outcome of the project will be presented according to the initial objectives. As stated in the section 2.3, “Aim and Objectives”, the initial objectives of this project are specified as following:

- To collect GHG budget data of some mega-cities in Asia,
- To present future scenarios of GHG emissions and carbon cycle of the cities up until 2020.
- To generate inventory of various associated short-lived gases like CO, NO_x, SO_x and particulate matter. (Key sectors: macro economic & social framework, residential & commercial sector, urban transportation sector, municipal solid waste management sector, indirect energy consumption by industry).
- To account both for direct emissions and for embodied emissions.

The above objectives have been achieved and detailed account of research findings will be given in the following sections. However, due to the data constraints, in some sectors, detailed comparison of the cities and detailed analysis for some sectors were not possible. The reason for the modification (i.e. the issues on data collection and its influence on initial framework of modelling analysis(**Figure 4-1-1**)) will be explained below.

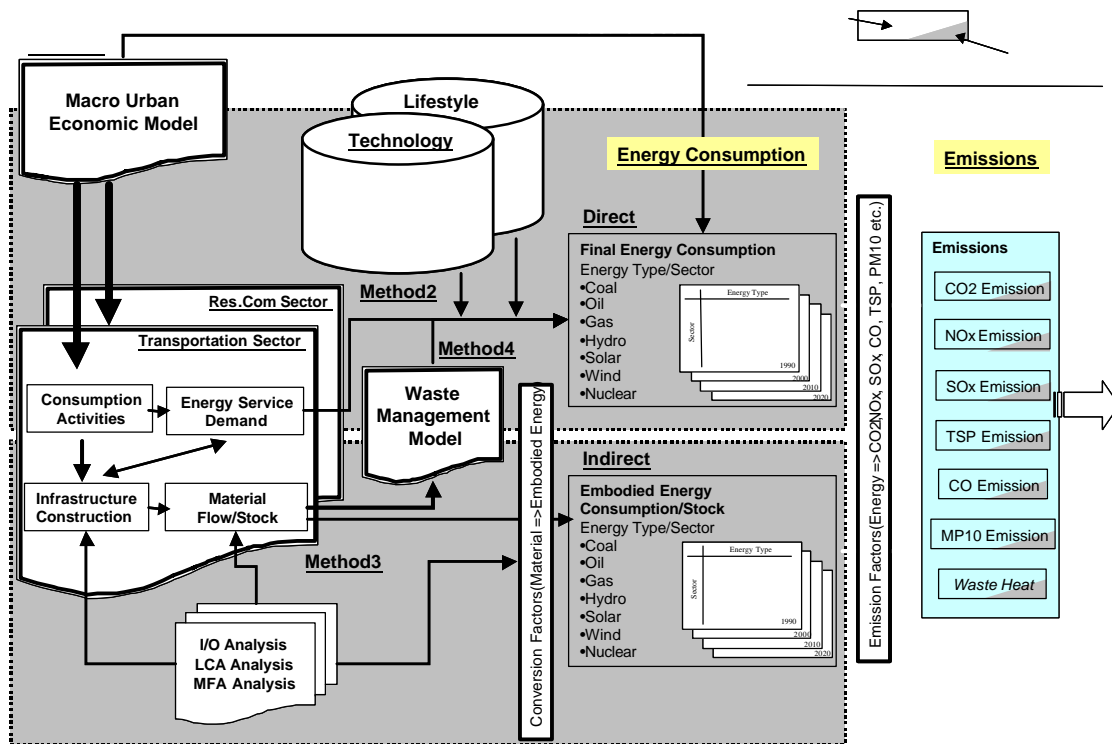


Figure 4-1-1: Initial Framework of Modelling Analysis