

2008 Carbon footprint estimation for the transportation network of the National University of Singapore

E3Alive has completed a carbon footprint estimation for the transportation ecosystem of the National University of Singapore. The project involved analysing the transportation system of NUS as being composed of land and the airmiles accrued by the faculty staff and students. Airmiles was converted to carbon via the online calculator provided by ICAO

(http://www2.icao.int/public/cfmappps/carbonoffset/carbon_calculator.cfm) For the land transportation, E3Alive came up with our own methodology and algorithm to calculate the land miles attributed to the vehicle fleet of NUS.

Disclaimer: The members are currently undergraduates at the National University of Singapore.

Project Manager: **Jamen Loh**

National University of Singapore

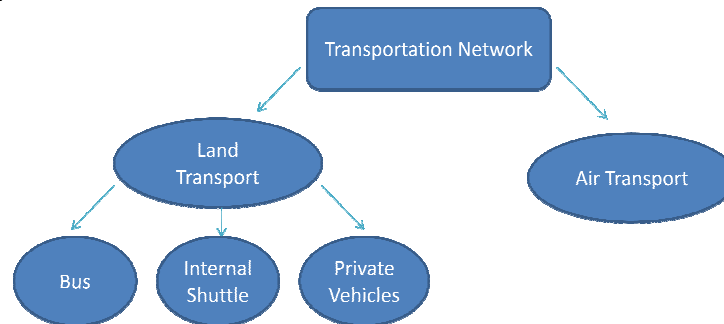
Approximately 22,000 people including student body, faculty and staff
Transportation system was divided into land and airmiles.

Airmiles

- Calculated flights taken by all faculty and students

Land

- Has an internal bus fleet
- Private vehicles
- Public transport



2009 Guidelines and suggestions for carbon-reduction for the National Sustainability Conference 09 (NUS)

For the first quarter of 2009, E3Alive was one of the youth supporting organisations for the National Sustainability Conference held in the National University of Singapore. E3Alive produced a report to reduce the carbon footprint of the conference.

We broke down the conference into 4 major sectors for analysis – Transportation, Food, Venue and Recyclables and Disposables.

For each area of analysis, we subdivided it into measures. We also used a different methodology for each sector. The conference ran for 3 days, and had around 150 participants.

Project Manager: **Jamen Loh**

