

# The Woodmiles Forum

## — Considering the distance between forest origin and wood consumers —

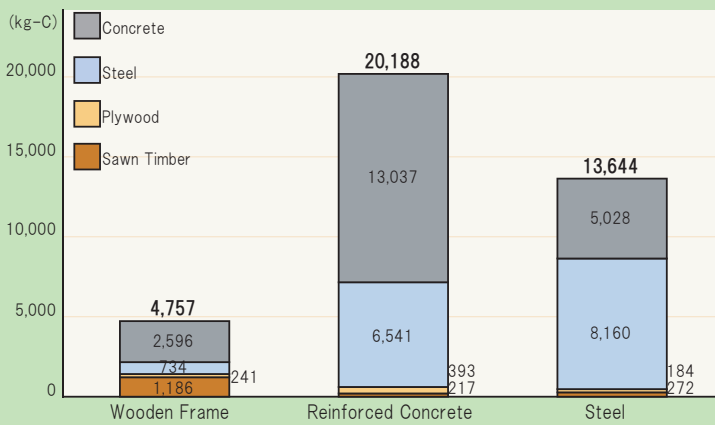
Wood should be the key material to achieve the material cycle society because it is renewable natural resources, consumes less of manufacturing energy and fixes carbon. However, it has concerns with the growing global trade such as increasing transportation energy by long haul, less transparent traceability due to the wider distance from harvest origin to the point of consumption as well as illegal logging.

The Woodmiles is a indicator to show the distance from wood origin to consuming region and degree of environmental contribution by using locally harvested wood.

### Using timber is ecological

Timber is an energy-efficient material which requires small amount of energy in its production process.

#### Carbon Discharge on Production of Materials for Construction of a House by Type of Construction

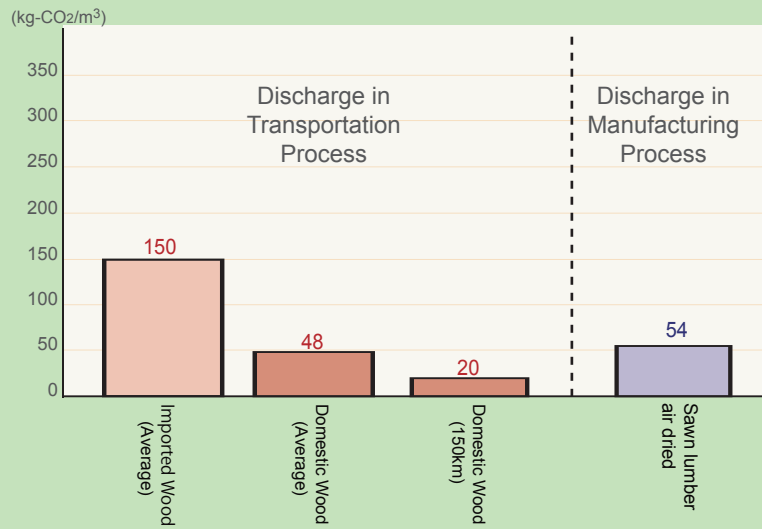


Okuma, M. (2003) "Preservation of Global Environment and Wood Utilization"

### Energy consumption in transportation

However, the longer transportation distance takes, the more energy is consumed.

#### CO2 Discharged on Timber Transportation to the Japanese

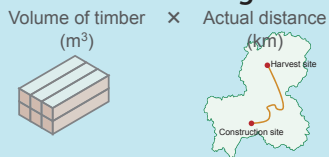


The Woodmiles Forum (2004)

### Woodmiled indexes

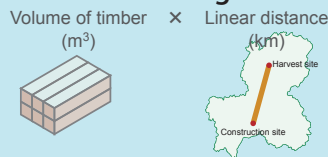
Woodmiled indexes are categorized into 4 definitions by its each purpose.

#### Woodmileage



Macro index of nation or world showing consumption structure of wood, covering volume and distance of consumed wood

#### Woodmileage L



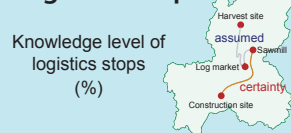
This index is used mainly study fields such as analyze of the trend of our domestic timber transportation.

#### Woodmileage CO2



The amount of energy consumption in the transportation process.

#### Knowledge level of logistics stops

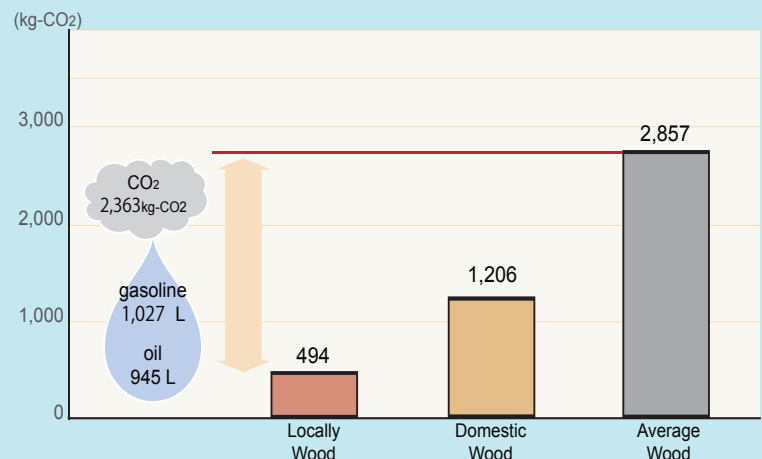


The level of traceability of timber.

### Transportation energy of local wood

Using local wood reduces CO2 emission drastically.

#### Woodmileage CO2 of a House (Reduction of CO2 Emissions)



The Woodmiles Forum (2006) "Woodmiles Research Note 13" etc



# The Woodmiles Forum

## - Overview -

### **Purpose**

We develop the woodmiles indexes which represent the transportation distances between the places at which timber is harvested and the places at which it is consumed, and disseminate information regarding the purpose and use of these indexes. By doing so, we intend to reduce transportation distances of timber as well as energy consumption during transportation, and to reinvigorate the demand for local wood. We hope that this will ultimately contribute to the effective utilization of our country' s local resources and to our country' s transition into a sustainable society.

### **Projects**

- 1, Development of indexes and tools related to woodmiles
- 2, Dissemination of information regarding the purpose and use of woodmiles indexes
- 3, Relevant intelligence and research activities

### **Planned activities**

- Research and data collection on volumes, origins, and transportation modes used in the construction of houses
- Determination of standard volumes and transportation distances used in the construction of houses, drafting of a calculation manual, development of calculation software
- Establishment and maintenance of a website to promote this movement
- Networking of specialists on LCA (Life Cycle Assessment) of houses
- Planning and organization of seminars for the general public and those involved in related businesses
- Short history of the movement prior to and after the launch of the Woodmiles Forum

### **Short history of the movement prior to and after the launch of the Woodmiles Forum**

- Launch of the Woodmiles Forum (2003).
- Web-site and newsletters were started (2003).
- Manual for Calculating Woodmiles-related indexes (Ver. 2003) was published (2003)
- "Woodmiles" and "woodmileage" were registered as trade marks (2004).
- A paper, "Energy consumption due to transportation of wood and policy for local wood promotion : Policy evaluation with the Woodmileage ", was presented at the Society of Environmental Economics and Policy Studies in Hiroshima (2004).
- A local wood certification scheme which involves woodmileage CO2 was launched in Kyoto Prefecture (2005).

### **Membership and organization**

The Organization comprises full members and supporting members

The President and the Organizing Committee organize the Forum' s activities

### **Board Member**

PRESIDENT Masaya Fujimoto, Japan Federation of Architects & Building Engineers Association

MANAGEING DIRECTOR Takashi Fujiwara, Japan Federation of Wood-industry Association

DIRECTOR Hidetomo Shiraishi, Kyoto Prefecture Government Masahiro Noike, Sumai to Kankyo Sha

Fumiko Misawa, Kyoto University of Art and Design Shuji Souma, Shimokawa Town Furusato

Promotion Corporation Osamu Matsushita, Matsushita Lifestyle Institute

### **Address of the Secretariat**

Woodmiles Forum, Secretariat,

2-21-10-501, Yoyogi, Shibuya, Tokyo, 151-0053, JAPAN TEL: +81-44-299-6720 / FAX: +81-44-299-6721

E-mail: [info@woodmiles.net](mailto:info@woodmiles.net) URL: <http://www.woodmiles.net/english/index.htm>