Circulation of local resources ranging from rapeseed cultivation to BDF refining

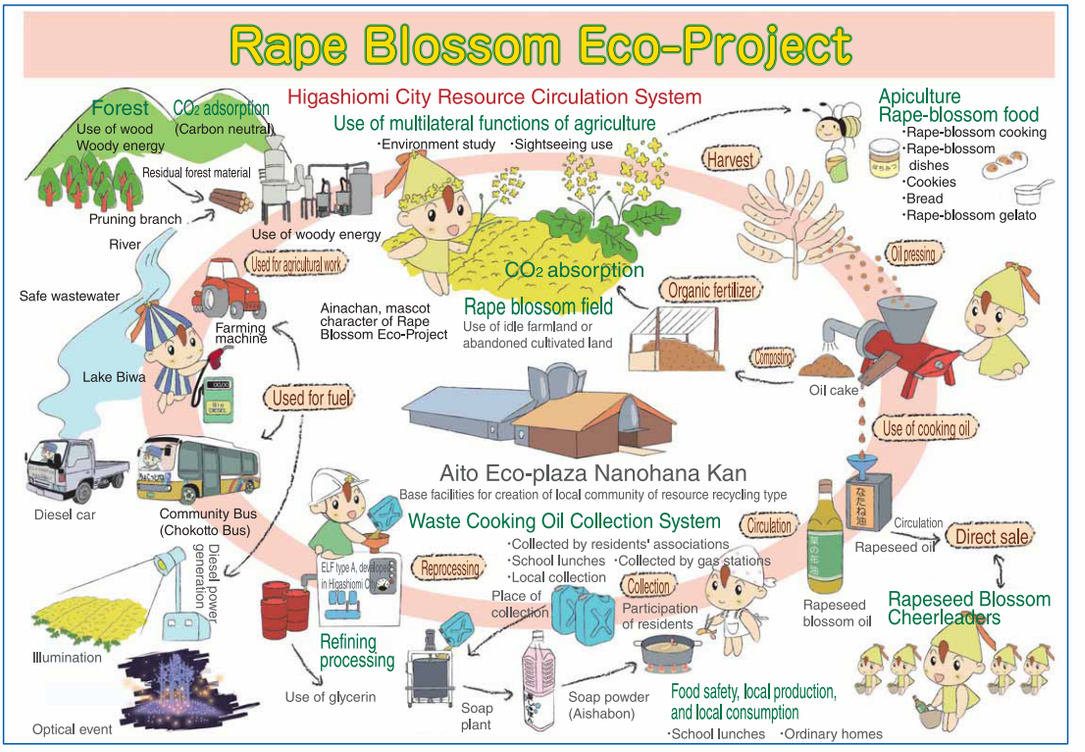
Rape Blossom Eco-Project

Features

- Contributes to global warming prevention by locally collecting and changing waste cooking oil into bio-diesel fuel (BDF).
- Arrangements ranging from rapeseed cultivation to fuel refining for the local production and local consumption of energy.
- Spreading as a local model of resource circulation to every part of Japan.

Overview (Technical principles, actions, etc.)

The Nanohana Eco-Project originated in the "Soap Movement" for protecting the water quality of Lake Biwa. The activity to collect waste cooking oil to make soap and to use it to improve the water quality evolved into a shift to the use of biofuels and rapeseed cultivation.
The rapeseed harvested in fields where other crops used to be cultivated is collected to extract oil, which is sold as a local novelty product. Cooking oil used in households and schools is collected to create soap and bio-diesel fuel (BDF). The BDF is used in vehicles, farming machinery, forestry machinery and generators as an alternative to light oil.
This is an effort to make resources circulate within a local community.



Circulation of Rapeseed Blossom

Introductory Track Record

- **A BDF refinery plant was constructed in 1996. Rapeseed planting started in 1998, when the Rape Blossom Eco-Project started. Presently the movement is spreading throughout Japan.**

- **Approximately 30,000 liters of waste cooking oil is recovered annually in Higashiomi, from which 15,000 liters of fuel is refined presently, which contributes to a CO_2 reduction of approximately 39 tons.**

Effects

◎The Rape Blossom Eco-Project is making a variety of ripple effects, such as the promotion of agriculture, sightseeing, education, community business, and other resident participation activities.

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