The 2012 Low-Carbon Cup

What is the Low-Carbon Cup?

To encourage the development of a future low-carbon society, various grassroots groups have been involved in activities all over Japan. The Low-Carbon Cup is an opportunity for schools, volunteers, NPOs and corporations to exhibit their work, and to communicate with other groups and participants, to learn from each other, and to expand their friendship and relationships. Among a number of entries from all over Japan, 41 groups have passed a rigorous screening panel, and the best activities will be awarded.

Date:	Sat., February 18, 2012, 13:00 – 18:00 Sun., February, 19, 2012, 13:00 – 16:00				
Venue:	Tokyo Big Sight, Conference Tower 7F (International Conference Room)				
Presented by:	Executive committee for Low-Carbon Cup (Chairperson: Hiroshi Komiyama)				
Co-presented by:	LIXIL Corporation				
	Seven-Eleven Foundation				
	McDonald's Japan				
	Japan Network for Climate Change Actions				
Special Cooperation from:	n: British Council				
Sponsored by:	Alterna Inc.				
	NPO Weather Caster Network				
	Kihara Mokuzaiten (Kita-Harima Small-Diameter Wood Processing Center)				
Under the auspices of:	Ministry of the Environment				
Organized by:	Office of Executive committee for Low-Carbon Cup				
	(Japan Network for Climate Change Actions)				

Trophy Making and the Photo Exhibition

The Low-Carbon Cup's trophies for the Environment Minister's Prize winners were made by Mr. Koutaro Saito, a local artist, with the cooperation of students from Ishinomaki Minato Elementary School, which suffered damage during the Great East Japan Earthquake. The trophies are made from the rubble of Ishinomaki-city. The students also created special trophies for themselves to celebrate their graduation, and to commemorate getting through the earthquake.

The Trophy Making Process

1. December 20th , 2011

Mr. Koutaro Saito gave orientation talk to the sixth grade students at Ishinomaki Minato Elementary School about making trophies for the Low-Carbon Cup, and about their graduation commemoration trophies.

2. January 11-12th , 2012

For two days, Mr. Koutaro Saito provided instruction to the students for making the commemoration trophies. At the same time, the students added their own messages to the "Low-Carbon Cup" trophy made by Mr. Saito.

Comments from the Trophy Makers

At the award ceremony of the 2012 Low-Carbon Cup, the facilitator, Ms. Sakurada, asked the trophy makers, Mr. Saito and staff and students from the Minato Elementary School, for some comments.

"Comments from Mr. Kourato Saito"

Ms. Sakurada: How did you feel when you were asked to take part this trophy making?

- Mr. Saito: I'm a person who crafts things. After the great earthquake, I really wanted to express something through crafting. I had been wishing to contribute, so I thought this was an ideal opportunity being provided to me.
- Ms. Sakurada: How did you come up with the image of the trophies?
- Mr. Saito: These are trophies for the Low-Carbon Cup, but I had to think how I would connect the trophies to the great earthquake. Children are the bearers of the future, but they are the ones who need the most help now. I thought about how we could reach out to children, and how we could draw upon their feelings.
- Ms. Sakurada: Please tell us about the material of the trophies.
- Mr. Saito: We used rubble inform the Minato area of Ishinomaki-city. There is a high chance that the rubble was a part of the childrens' own houses, or in any case, it was a part of their town. We used this rubble to make the trophies for the Low-Carbon Cup as well as for special trophies for the students themselves.
- Ms. Sakurada: How were the students?
- Mr. Saito: I was anxious about whether these children could express themselves through art work. However, they actively engaged in their work and expressed themselves very well. I think I saw the future there.
- Ms. Sakurada: It seems children' s applause for the Low-Carbon Cup participants has formed into these trophies.

"Comments from the vice principal of Ishinomaki Minato Elementary School, Mr. Takara, and a student, Ms. Terakami"

Ms. Sakurada: How did you feel when you first heard about this trophy making?

- Mr. Kakara: Unlike regular graduation work, these students made their way to graduation through the great earthquake. With the support of Mr. Saito, I wanted the students to feel that they had done a great thing and award trophies to themselves.
- Ms. Sakurada: What was your impression of the crafting process?
- Mr. Kakara: I was surprised by how seriously the children took their work, and the figures they created. I was impressed by Mr. Saito's faith in the project and children's ideas. The trophies were really great.
- Ms. Sakurada: I heard you have a something you would like to say.
- Mr. Kakara: The children and the school have become cheerful again because of everyone' s support. Thank you very much. Another thing is that reconstruction has been sluggish because the rubble disposal is not making progress. Please help us by providing us with support in this matter.
- Ms. Sakurada: Ms. Terakami, how was the trophy making?
- Ms. Terakami: It was interesting. I had felt that I had a special connection with the rubble.
- Ms. Sakurada: Thank you for the great trophies.



Photo Exhibition for the Trophy Making

There was a photo exhibition on the wall panels of the lobby of the Low-Carbon Cup venue to show participants the process of trophy making with the students.

Entrance to the exhibition





The exhibition as a whole



Participants looking at the photos



Sixth grade students from Ishinomaki Minato Elementary School, holding their commemoration trophies.



Koutaro Saito

<Profile>

Mr. Saito is an artist who has his roots in the Tohoku area and currently lives in the Gunma prefecture. He has a good insight into environmental issues and works as a Gunma climate change action officer. For the 2011 Low-Carbon Cup, he made a trophy from windfall trees, a material that is a theme throughout his work. He is an artist who has a deep understanding of the ideas and concepts behind the Low-Carbon Cup.

Environment Minister's Award: Grand Prix Save Reed Wetlands, Reactivate Reed-Screen Making in Farming Communities



<Student Activities Group> **Tochigi Agricultural High School, Regional Revitalization Project Group, (Tochigi)** 911 Hirai-cho, Tochigi-city, 328-0054 (Phone) 0282-22-0326

Looking at nature through the lens of agricultural high school students, we carried out activities for saving reed wetlands in the Watarase retarding basin inhabited by many rare creatures. We also contributed to energy saving in the summer time by reactivating reed-screen production in farming communities. Furthermore, we are promoting activities to pass on a lifestyle with reeds to the next generation; for example, we have developed "environment-friendly reed compost" made from waste reeds and we participate in forestation in the Ashio Copper Mine.





Environment Minister's Award: Golden Award (Community Activities Group) Revitalize Akita with Field Mustard! (Recycling Society with Field Mustard)



<Community Activities Group> Akita Nanohana Network, NPO Corporation (Akita) 1-3-10 Mukaihama, Akita-city, 010-1601 (Phone) 018-862-6686 URL: http://www.akita-nanohana.com

"Nanohana (Field Mustard) have huge potential!" By cultivating field mustard in deserted arable land and making use of field mustard, we can realize environment preservation and agricultural and rural revitalization at the same time. Through our activities aiming at the creation of a recycling society with field mustard, we expand cooperation with local residents, schools, and other organizations. We therefore contribute to community revitalization and strengthening connection among people.



Environment Minister's Award: Golden Award (Student Activities Group) Search for New Environment Preservation and Recycling Agriculture—Aiming at the Establishment of a Recycle Loop Rooted in Community



<Student Activity Group> Aihara High School, Livestock Group (Kanagawa) 2-1-58 Hashimoto, Midori-ku, Sagamihara-city, 252-0143 (Phone) 042-772-0256

Aihara high school is a unique technical school with three commercial departments and three agricultural departments. We study at the zoo technical science department where we mainly learn about livestock and agriculture. We also engage in daily activities in a livestock group that manages cows, pigs, and chickens. The livestock group started coordinating with many companies several years ago for research and product development.





Environment Minister's Award: Golden Award (Corporate Activities Group) CO₂ Zero-Emission Project for Overall Community, throughout Japan



<Corporate Activities Group> **Eyefulhome Company (Tokyo)** Nittetsu ND Tower, 1-5-7 Kameido, Koto-ku, 136-0071 (Phone) 03-5626-8251 URL: http://www.eyefulhome.jp/

Started in 2008, Eyefulhome's CO_2 zero-emission project considers housing as a community-based local industry and aims at the establishment of a low-carbon society by 2015 with a total of a million people including corporations, customers, and local residents.





Environment Minister's Award: Golden Award (Social Business Group) Preventing Global Warming and Recovering Biodiversity with Seed Banks



<Social Business Group> **Nakada Seeds and Seedlings (Fukushima)** 15-5 Aza-Terauchi, Oaza-Nakano, Ishikawa-cho, Ishikawa-gun, 963-7837 (Phone) 0247-26-7880 URL: http://www.eco-plants.net/

We have established seed banks for each area in accordance with "national land classification for biodiversity" determined by the Ministry of the Environment. Using the seeds, we produced vegetation mats with a unique patent technology and provided them for roof greening in big cities. This contributes to reducing heat island effect and recovering biodiversity.













Special Award: Contribution to the Region Damaged by the Great East Japan Earthquake (Extra Prize: McDonald's Special Award)

Emergency Assistance for the Great East Japan Earthquake with biodiesel fuel (BDF)



<Community Activities Group> **Iwate Biodiesel Network (Iwate)** 4-9-1 Aoyama, Morioka-city, 020-0133 (Phone) 019-647-6996

While fuel was not able to be procured due to the March 11 Great East Japan Earthquake, we produced BDF in the local BDF network, delivered emergency supplies and food using lwate co-op trucks, and distributed meals. We present these activities as well as the following work aiming at expanding the use of BDF in lwate.



Special Award: Contribution to the Region Damaged by the Great East Japan Earthquake (Extra Prize: McDonald's Special Award)

Reconstruction Support with Dissemination of Woody Biomass Fuel



<Community Activities Group> **NPO Japan Forest Biomass Network (Miyagi)** 11-1 Genko, Horiguchi, Shiwahime, Kurihara-city, 989-5625 (Phone) 0228-22-6721 URL: http://jfbn.org/

NPO Japan Forest Biomass Network is engaged in creating a sustainable society through the utilization of forest resources. We promote the establishment of a local recycling society with self-reliable energy and employment, centered round Miyagi, through the dissemination of woody biomass fuel in reconstruction from the Great East Japan Earthquake.











Special Award: Contribution to the Region Damaged by the Great East Japan Earthquake (Extra Prize: McDonald's Special Award)

Creation of a Recycling Society with Kids and Local Community using Solar Power–Then Support for Reconstruction



<Community Activities Group> **NPO Sora Bea Foundation (Tokyo)** Okamoto Building 3F, 1-9-7 Awaji-cho, Kanda, Chiyoda-ku, 101-0063 (Phone) 03-3251-5454 URL: http://www.solarbear.jp/

We are aiming at the creation of a recycling society through donating solar power facilities to kindergartens all over Japan and raising awareness about local environment, starting with kids' questioning "what we should do to stop Sora and Bea's tears." We also contribute to the reconstruction in a unique Japanese way, using solar power trucks that can generate and supply electricity while delivering.









Special Award: Contribution to Energy Saving (Extra Prize: McDonald's Special Award) Low-Carbon Heat Pump Air Conditioner Using Groundwater Heat



<Corporate Activities Group> ENEX Co., Ltd. (Akita) 11 Aza-Hirukawa, Kanazawahigashine, Misato-cho, Senboku-gun, 019-1522 (Phone) 0187-84-1170 URL: http://www.enex-inc.co.jp/

It is said that 70% of Japan's land has underground water veins. Such underground water has stable temperature all year round, and it is an available resource that can be utilized widely. Making effective use of this resource, underground water heat pump air conditioner reduces the energy consumption and thus running cost; therefore, it can serve as a driving force for realizing a low-carbon society.







5







Sponsoring and Cooperating Companies' Award: Best Global Award (Awarded by British Council) Alternative Energy Utilizing Waste Heat from Hot Springs and their Drainage with Biomass Fuel



<Community Activities Group>

The Regional Council for Global Warming Measures in Nasu Onsen(Tochigi) 182 Oaza-Yumoto, Nasu-cho, Nasu-gun, 325-0301 (Phone) 0287-76-2755 URL: http://www11.ocn.ne.jp/~shinnasu/ondankakyougikai/kyougikai.htm

In the background of an increasing global need for Global Warming Measures, Nasu, a royal resort with an Imperial Villa, is promoting active use of biomass and unused energy sources to create a carbon-neutral town with the aim of reducing greenhouse gas emission by utilizing waste heat from hot springs and their drainage as an alternative energy, as well as by cooperating with forestry, agriculture, pasturage, and industry.







Sponsoring and Cooperating Companies' Award: Best Home Ecology Activity Award (Awarded by LIXIL Corporation)

"CO2 Reduction" by Reforming Existing House Windows to Heat Insulation



<Corporate Activities Group> **Matex Corporation (Tokyo)** 2-14-11 Kamiikebukuro, Toshima-ku, 170-0012 (Phone) 03-3916-1256 URL: http://www.matex-glass.co.jp/

We are a window wholesale firm in the Tokyo metropolitan area. Our main products are "windowpanes" and "sashes" with various eco-friendly functions. With our corporate philosophy of "Contribute to the society through windows," our staff together with local business partners are making efforts for environment preservation through our business, such as energy saving and CO_2 reduction in housing.







Sponsoring and Cooperating Companies' Award: Best Community Revitalization Award (Awarded by Seven-Eleven Foundation)

Goody Environmental Activities, Keep Going-Student-Managed Eco-Cafe



<Student Activities Group> Kagawa University Naoshima Revitalization Project (Kagawa) Kagawa University, Faculty of Economics, Furukawa Seminar, 2-1 Saiwai-cho, Takamatsu-city, 760-8523 (Phone) 087-832-1895

Students are managing a cafe in Naoshima, an island in the Seto Inland Sea. Through its management, we are working on various environmental activities. Also, we actively participate in local environmental events to facilitate activities rooted in the community.





Sponsoring and Cooperating Companies' Award: Best Communication Award (Awarded by Alterna Inc.) Building Low-Carbon Society through Religious Activities



<Community Activities Group> **Religious Corporation, Chosenji Temple (Miyagi)** 69 Aza-Chosenji, Kakuda, Kakuda-city, 981-1505 (Phone) 0224-62-1004 URL: http://www1.odn.ne.jp/chosenji/

The basic principles of Soto School of Buddhism are "respect for human rights," "establishment of peace," and "conservation of environment." Chosenji Temple started environmental activities from the standpoint of "spirit of valuing life and things." We have obtained ISO 14001 to avoid ad hoc-ism, and aim at establishing a big circle of environmental activities involving supporters, believers, and local communities.





Sponsoring and Cooperating Companies' Award: Best Communication Award (Awarded by Alterna Inc.) ECOIS: Advanced Energy Saving Network, Analysis, and Support System



<Social Business Group> **Pico Ada Co., Ltd. (Tokyo)** Nozawa Building 4F, 9-8 Ichiban-cho, Chiyoda-ku, 102-0082 (Phone) 03-3453-4074 URL: http://www.picoada.co.jp/

Focusing on "town," "life," and "corporate activities" such as commercial facilities, hospitals, nursing homes, and sports clubs, we have established a unique "community for saving energy and water" with leading-edge "ECOIS" as a core technology, which is "an energy network," "an analysis tool for saving energy and water," and "a supporting tool for energy saving" developed by joint research with Tokyo University.





Sponsoring and Cooperating Companies' Award: Best Communication Award (Awarded by Alterna Inc.) Building "Environment-Friendly Company Dormitory" that Contributes to Low-Carbon Society



<Corporate Activities Group> **Obayashi Corporation, Nagoya Branch (Aichi)** 1-10-19 Higashisakura, Higashi-ku, Nagoya-city, 461-8506 (Phone) 052-961-5154

Obayashi Corporation rebuilt a company's dormitory (5-story, 122-room) with energy saving, resource saving, and CO₂ reduction technologies, aiming at making an "environment-friendly company dormitory" that would contribute to a low-carbon society. It increases the residents' awareness about natural ecosystem preservation, and it also targets the preservation of the local environment.



Sponsoring and Cooperating Companies' Award: Best Community Ecology Activity Award (Awarded by NPO Weather Caster Network)

Environmental Education and Hands-on Activities in Relation with Nature, People, and Things



<Student Activities Group> Koshigaya City Obukuro Higashi Elementary School (Saitama) 1750 Fukuroyama, Koshigaya-city, 343-0032 (Phone) 048-975-4918

We started engaging in environment education in 1995, with preserving oak woods as a biotope. Since then, for 17 years, we have implemented hands-on environment education by doing the best we can for nature and the environment, with support from parents, local community, government, NPOs, and enterprises.



Sponsoring and Cooperating Companies' Award: Best Community Ecology Activity Award (Awarded by NPO Weather Caster Network)

"Eco Fosters E-ko (Good Children) and Community"



<Community Activities Group> Social Welfare Corporation Kiiku-en, Santou Nursery School (Kumamoto) 829 Ariizumi, Ueki-machi, Kumamoto-city, 861-0123 (Phone) 096-272-0673 URL: http://www.santo.ed.jp/index.html

We established "Santou Child Care Supporters" under the basic principle that "ecology is necessary for the physical and mental development of children, and parents are fostered by children and community." We are engaged in environmental activities in our school, children's home, the school area of Santou, and all over old Ueki-machi in order to contribute to global warming prevention. We are the representative of Kumamoto for Low-Carbon Cup 2012.





Jury's Special Award: Best Presentation Award A Tale of Paper Born from Bamboo—Future of Environment Based on Local Resources



<Corporate Activities Group> **Chuetsu Pulp & Paper Co., Ltd., Sendai Factory (Kagoshima)** 1-26 Miyauchi-cho, Satsumasendai-city, 895-8540 (Phone) 0996-22-2211 URL: http://www.chuetsu-pulp.co.jp/

Sendai Factory of Chuetsu Pulp & Paper produces 300,000 tons of paper a year in Kagoshima. We put much effort into paper production utilizing local resources including bamboo and thinnings, and we are the only bamboo-made paper producer in Japan. We contribute to the society and environment through paper production rooted in the local community.





Jury's Special Award: Best Regional Cooperation Award

A Project for Proposing a Social Model that Realizes a Recycling Society (Low Carbon Society), with BDF Production around Ushiku-City as a First Step of Implementation.



<Community Activities Group> **NPO Asaza Fund (Ibaraki)** 6-387 Sakaecho, Ushiku-city, 300-1233 (Phone) 029-871-7166 URL: http://www.kasumigaura.net/asaza/

Asaza project, a citizen-oriented public project, considers the government as a part of the society's network and realizes the public good with public and private sectors actively working together. In this project, we spread Global Warming Measures into various sectors of the society. Ushiku-city, with which we have cooperated in community development learning, and we together started the development of a "biomass town plan."



Jury's Special Award: Best Innovation Award Green Ecology Project Promotion



<Community Activities Group> **Tokyo Trucking Association (Tokyo)** 3-1-8 Yotsuya, Shinjuku-ku, 160-0004 (Phone) 03-3359-3617 URL: http://www.totokyo.or.jp

Started in 2006, Tokyo Trucking Association's "Green Ecology Project" is a continuing effort of eco-driving by trucking businesses on the basis of the association's unique CO_2 reduction measures. It promotes CO_2 reduction, cost reduction, and accident prevention, and it also supports active engagement in eco-driving.



Jury's Special Award: Best Innovation Award Local Energy Production for Local Consumption Invested by the Citizens



<Social Business Group> Ohisama Shinpo Energy (Nagano) 2-15 Honmachi, lida-city, 395-0044 (Phone) 0265-56-3711 URL: http://www.ohisama-energy.co.jp/

Since 2004, we have been engaged in dissemination of renewable energy and promotion of energy saving in Southern Shinshu region centered around lida-city of Nagano Prefecture, in cooperation with citizens, the government, and private enterprises.



おいさま ノアント 争 未の総括 (ファンドの一部は省エネ事業等にも投資しています)						
ファンド名	豪乐规图	応察師	的形数	放置容量	C02/00	
南信州 おひさまファンド	2005年2月~ 2005年5月	2億150万円	38	208 KW	108 1/年	
温暖化防止 おひさまファンド	2007年11月~ 2008年12月	4億3430万円	92	773 KW	384 1/年	
おひさまファンド 2009	2009年6月- 2009年9月	7,520万円	32	300 KW	156 1/年	
(信会融資事業 おひさまのPDステム)	2009年11月~ 2010年1月	0万円	26	86 kW	45 t/年	
信州・結いの国 おひさまファンド	2010年10月~ 2010年1月	4,790万円	22	73 kW	38 t/年	
信用・結いの国 おひさまファンド II	2011年10月~ 2012年1月	8,10075円	設置中	設置中	-	
台計		8년 399075년	210 箇所	1,367 kW	731 1/4	



Jury's Special Award: Unique Presentation Award Community Revitalization through Greening with Moss and Moss Sheets



<Corporate Activities Group> Seta Corporation (Niigata) 359-1 Oaza-Kamiseki, Sekikawamura, Iwafune-gun, 959-326 (Phone) 0254-62-7811 URL: http://www5.hp-ez.com/hp/seta-coke/page1

Our company produces and sells moss sheets for roof and wall greening with moss. This project is engaged by moss professionals, focusing on the unique characteristics of moss, such as that moss dies holding CO_2 inside, while other plants emit CO_2 when they die, and also moss is maintenance-free.









Stop the CO₂ 1000 Years Project



<Community Activities Group> Nasunogahara Land Improvement Districts (Tochigi) 447-8 Niwatoko, Nasushiobara-city, 329-2807 (Phone) 0287-36-0632 URL: http://www.nasu-lid.or.jp/

Nasunogahara Land Improvement Districts is aiming at "local food and energy production for local consumption" in an area of 40,000 ha along Nasu Drainage. We engage in renewable energy and forest preservation including seven small-scale hydroelectric generation projects, resource utilization with woody biomass, and community activities such as paddy field school, aiming at the establishment of a low-carbon society in cooperation with various entities.



Kawasaki Citizens Ohisama Project



<Community Activities Group> Kawasaki Citizens Ohisama Project (Kanagawa) 3-26-24-1211, Nakasaiwaicho, Saiwai-ku, Kawasaki-city, 212-0012 (Phone) 044-200-4109 URL: http://homepage3.nifty.com/act-k/ohisamaprj.html

Kawasaki Citizens Ohisama Project started installation of renewable energy facilities in 2006, funded by citizens and businesses. We installed a solar energy facility in Kawasaki International Center in 2008 and a solar water heater in Kawasaki Frontale's clubhouse in 2011. Currently, we are discussing installing a third facility.





Green Curtain Project 2011 in Niigata



<Community Activities Group> Niigata Environment Preservation Network (Niigata) 1-8-4 Yoneyama, Chuo-ku, Niigata-city, 950-0986 (Phone) 025-378-8858

This Green Curtain Project enables "fun", "cool," and "tasty" CO_2 reduction throughout spring, summer, and fall, resolving the problem of "earth-friendly = bothering"! There were a large number of various participants in the project due to the cooperation with local residents, nursery schools, public administrations, companies, and students as well as broadcasters.



Mini Stage: Sing and Dance with Environment Fighter Eagle-Man



<Community Activities Group> Shizuoka Ecommunicator Caravan (Shizuoka) 5-35 Kotobukicho, Suruga-ku, Shizuoka-city, 422-8055 (Phone) 054-270-6456 URL: http://www.eagle-man.biz/

Original Characters "Environment Fighter Eagle-Man" and "Mr. CO₂" teach kindergarten and nursery school children about "global warming" in a way that children can understand. They use "ECO ninja arts" to instruct them about i) switching off TV when not watching, ii) frequently removing cords from the wall outlet, and iii) quick opening and closing of refrigerator doors. They also perform "Stop Global Warming Dance."









Save the Forest and Grow the Forest—Toward the Establishment of Modern Satoyama (Village Forest) Maintaining System



<Community Activities Group> Nishiyama Forest Improvement Promotion Council (Kyoto) 1-1-1 Kaiden, Nagaokakyo-city, 617-8501 (Phone) 075-955-9542 URL: http://www.nishiyama-shinrin.com/

Nishiyama Forest Improvement Promotion Council engages in forest improvement activities in cooperation with various entities. In partnership with Forestry and Forest Products Research Institute, we started managed tree trimming to stimulate sprouting and vegetation survey, as well as a "practical survey for the establishment of modern Satoyama (village forest) maintaining system," which utilizes trimmed trees as biomass energy by introducing wood stoves in the region.



Contributing to Ecology with Buses: Promotion of Bus Use by Distributing Bus Map



<Community Activities Group> Bus Map Okinawa (Okinawa) 1-8-5-302 Yamazato, Okinawa-city, 904-0033 (Phone) 090-9155-9642 URL: http://www.kotsu-okinawa.org/

Okinawa is Japan's only prefecture where Japan Railways (JR) is not running, and thus heavy reliance on vehicles is causing troubles in daily life. In such a situation, a civic group "Bus Map Okinawa" is aiming at promoting the use of buses, which are an eco-friendly public transportation. Since 2008, we have been creating and distributing "Bus Map Okinawa," an information tool for public transportation including buses.



Yonezawa-Tech Zero Emission Project



<Student Activities Group> Yamagata Prefecture Yonezawa Technical High School (Yamagata) 300 Oaza-Kawai, Yonezawa-city, 992-0017 (Phone) 0238-28-7056 URL: http://www.yonezawa-th.ed.jp/

Triggered by students' desire of "producing electric vehicles," we started production in the fall of 2008. We also produced electric generation and storage devices using renewable energy and a garage with charging equipment. This no- CO_2 -emission system was developed by the concentration of all school knowledge, in cooperation with local companies.



Excavation of Unused Resources on Campus



<Student Activities Group> Chiba Institute of Technology (CIT) Manufacturing Project (Chiba) 2-1-1 Shibazono, Narashino-city, 275-0021 (Phone) 080-5533-5896

In this project, students themselves spotlight waste in their own school, engage in recycling activities exploiting their knowledge as engineering students, and propose a system that shares their achievements with a wider community. By doing so, we engage in the establishment of a new low-carbon society. This is a model of human resource development and social action, putting students as main actors, in cooperation with industry, government, and academia.



してんしゃもリサイクル

Production of Vehicles that can Travel around Japan with One Liter of Gasoline.



<Student Activities Group> Junior High School and High School of Kogakuin University, Motor Vehicle Club (Tokyo) 2647-2 Nakanomachi, Hachioji-city, 192-8622 (Phone) 042-622-9291 URL: http://www.js.kogakuin.ac.jp/

Junior high school and high school students with love of making things get together and produce fuel-efficient vehicles. We hand-make bodies and frames. Every year, we participate in the "HONDA Eco-Mileage Challenge National Competition" in which people compete how far their vehicles can go with one liter of gasoline. In the 31st competition held in October 2011, we recorded our best, 300 km/L.



Introduction, Management, and Deployment of Eco-Friendly System on Campus



<Student Activities Group> Hitotsubashi University, Environment Circle Qanbei (Tokyo) URL: http://www.hit-qanbei.info/

Based in Hitotsubashi University, Qanbei makes plans about systems that contribute to global environment improvement, and introduces and manages them on campus. We also engage in the deployment of the systems so that they can sustainably work even when managed by those other than Qanbei.





Environment Activities by Mie University's Environment ISO Students Committee



<Student Activities Group> **Mie University, Environment ISO Students Committee (Mie)** 1577 Kurimamachiyacho, Tsu-city, 514-8507 (Phone) 080-1563-6707 URL: http://www.ceme.mie-u.ac.jp/student/

In cooperation with Mie University that aims at the "world's best environmentally advanced university," we conduct various activities including promotion of energy saving and 3R (Reduce, Reuse, Recycle) on campus, community contribution, and international environment activities. Through these activities, students increase awareness of the environment and start actively addressing environmental issues in society and in their personal lives, which would lead to promotion of a low-carbon society.















Research Activities to Enhance Production Skills and Community Partnership through Small-Scale Hydropower Facilities



<Student Activities Group> Anan National College of Technology (Tokushima) 265 Aoki, Minobayashicho, Anan-city, 774-0017 (Phone) 0884-23-7157

Our research group is a club where environmentally aware students seek to be environment professionals responding to the new environment and energy era. We aim at reducing CO_2 through planning, developing, and installing small-scale hydropower facilities. We also learn from collaboration with local government, communication with and contribution to the local community, and instruction from company engineers (advisory teachers) about environment technology and manufacturing.







Creating a Model for Low-Carbon Society through "Promotion of Biodiesel Fuel Use"



<Corporate Activities Group> Hokkaido Coca-Cola Bottling Co., Ltd. (Hokkaido) 1-2-1 Kiyotaichijo, Kiyota-ku, Sapporo-city, 004-8588 (Phone) 011-888-2135 URL: http://www.hokkaido.ccbc.co.jp/

In collaboration with Obihiro-city, an Environmental Model City in Japan, we started the use of biodiesel fuel made from collected waste edible oil for delivery vans in June 2011. In the same month, general sale of biodiesel fuel started in local gas stations; therefore, we also widely conducted promotion activities for biodiesel fuel use, including the introduction of necessary vehicle equipment.



Healthy and Sustainable Future Based on Our Company Policy of "Live with the Earth"



<Corporate Activities Group> **Zero Craft (Miyagi)** 4-3-16 Minaminakayama, Izumi-ku, Sendai-city, 981-3213 (Phone) 022-348-2925 URL: http://www.zerocraft.com/

We engage in delivering a healthy life to families and creating a truly affluent society, through house building with domestic solid woods and traditional construction and through our proposal for actively taking natural energies into our life.





S-Pulse Eco-Challenge



<Corporate Activities Group> S-Pulse CO., LTD (Shizuoka) 2695-1 Miho, Shimizu-ku, Shizuoka-city, 424-0901 (Phone) 0172-97-2157 URL: http://www.s-pulse.co.jp/

A J-League team Shimuzu S-Pulse started ecology activities named "S-Pulse Eco-Challenge" in the 2008 season. We achieve carbon-offset 5 years of CO_2 emitted by home games (about 360 t/y). We also make an effort in promotion to encourage supporters to practice countermeasures against global warming.





CO2 Reduction and Car Greening with "Ya-ne, Koke Tyak-Car"



<Corporate Activities Group> Sakuraya Izuhara Pickup and Delivery Cleaning (Osaka) 20-13 Kishikicho, Kishiwada-city, 596-0073 (Phone) 090-8827-0824 URL: http://www2.sensyu.ne.jp/sakuraya/koke

We came up with the idea of putting moss (racomitrium canescens) on the roof of a pickup truck. This is a "car with (tyaku) moss (koke) on the roof (yane)", so we named it "Ya-ne, Koke Tyak-Car." It absorbs CO_2 and generates O_2 . It's going to be fun if this becomes a global standard. Why don't you try moss yourself?



A Challenge of Ecology Hot Spring-Making Manno-cho an Eco-Town



RCBORNESS!/10C

<Corporate Activities Group> Village Miaikan (Kagawa) 1 Katsuura, Manno-cho, Nakadado-gun, 766-0204 (Phone) 0877-84-2001 URL: http://www.miaikan.co.jp/

We are engaged in various activities preventing global warming in order to expand the wave of ecology from an eco-friendly hot spring inn. We have developed a boiler that can directly use thinning from local forest and largely reduced CO_2 emission. It attracted a great deal of interest from other regions, and we also cooperate with Manno-cho's biomass town plan.



Effective Use of Small-Diameter Thinning



<Social Business Group> **Nabe Kikaku (Tochigi)** 3-4-2 Yamato, Utsunomiya-city, 320-0836 (Phone) 0287-74-6263 URL: http://www.woodbank-house.net/

Due to the decision made by Japanese government following the Kyoto Protocol, 2/3 of planned CO₂ reduction should be absorbed by the forest. The forest that can be counted for CO₂ reduction under international agreements is "manageable forest." Therefore, many forest managers do "cut-off thinning" in which thinning are wasted without being used. We are making efforts for commercializing the use of unused thinning.



"Yukaina Yasai Monogatari"



<Social Business Group> Daichi wo Mamoru Kai (Chiba) Makuhari Techno Garden Tower D 21F, 1-3 Nakase, Mihama-ku, Chiba-city, 261-8554 (Phone) 043-213-5603 URL: http://www.daichi.or.jp/

We collect waste edible oil from members of our organic vegetable delivery service managed by Daichi wo Mamoru Kai and make diesel fuel from it. The fuel is used as tractor and other fuel for producing vegetables, which are then sold as "Yukaina Yasai Monogatari." For the word "yukai" (cheerful), "yu" means oil and "kai" means collection. This is a recycling-type alternative energy rooted in daily life, which solves CO₂ and recycling issues.







■ 各省反応 ●消費者(アンケートより) ・廃京途道政府期帯留は90% ・運搬によいから、油を捨てないですむから ● 生産者 エネルギーとしてもパワーは防護ない ・てんぷらの者りがしてよい ・ 惜気がクリーンなので、ハウス知き ・ 借払が高いのがネック ●マスメディア 6/20読売範疇、9/26読売範疇、12/22日経新編集