

in the Northern Kyushu Area Special Initiatives

Fukuoka City

- Eco Hustle Projects
- Establishment of a 'Citizens' Environmental Fund' financed by the imposition of fees on garbage bags.
- understanding of the environment amongst citizens are subsidized. Initiatives aimed at environmental conservation and greater
- Semi-Aerobic Landfill Systems
- Encourages fast stabilization of reclaimed land and purification of seepage water
- Successfully introduced overseas to such countries as Malaysia and

Overview of the Industrial Economy of Northern Kyushu

- Population: 10 million
- GDP: ¥35.6 trillion (roughly \$395 billion)
- Rivals that of Switzerland, Belgium and Sweden
- Value of industrial shipments:
- ¥18.1 trillion (roughly \$200 billion)
- Major industries: automobiles, semiconductors and food products
 - Next-generation industries: energy and the environment
- Quality of life: Historical structures, abundant natural beauty, rich food culture and a mild climate

Kitakyushu City

- KITA (Kitakyushu International Techno-Cooperative Association) in 1985
- the Eco-Town Project in 1997
- A buildup of recycling businesses
- Development of leading experimental studies in environmental technology
- a basic research base within the Kitakyushu Science and Research Park in 2001
- Comprehensive support for activities ranging from basic research to demonstration tests and commercialization
- the Eco-Model City in 2008

Saga Prefecture

- · In the ceramics industry and agriculture
- The development of ceramic firing techniques that result in lessened $\ensuremath{\mathsf{CO}_2}$ emissions
- The utilization of biomass energy to grow greenhouse *mikans* (Japanese tangerines)
- The application of fees to the processing of waste in all municipalities within the prefecture
 - The daily per capita output of household waste is the lowest in Japan
- The rate of residential solar power generation ranks as the highest in Japan



Minamata City

- Waste separated into 22 types
- · Introduction of biodegradable plastic garbage bags for kitchen waste
 - Profits from recovery activities are returned to the region
- · Separation of aluminum and steel cans
 - Compost made from kitchen waste
- Recognition of Eco-Town and Eco-Model City status by the government



A sense of pride in being a top-tier environment of model city



Nagasaki Prefecture

- The environment and new energy sources are a top priority for the prefecture.
- The creation of networks made up of the government, academia and the private sector
- About 100 companies participate in the network.
- Environmental technology features: water treatment, new energy sources
- The prefecture has opened an office Shanghai and is proactively technological exchanges.



Oita Prefecture

- The transmission & matching of environmental business information
- Participation by 24 companies within the prefecture
 Faculty of Oita University coordinate matching effort
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- Hita City: biomass power generation using kitchen waste and other organic matter
- Tsukumi City: creation of solid fuel from refuse
 Distribution of an Energy Conservation Check Sheet to

households



Biomass Power Generation Center in Hita City

Common Efforts by Local Governments

- Recognition of recycled products, etc.
- Creation of print materials for promotional purposes
- Local governments take the initiative in introducing these products → Desirable results are achieved
- Financial support in the form of loans & subsidies
 - · Installation of environmentally-friendly equipment
 - R & D for environmental technology
- Dispatching of environmental education advisors



In Conclusion

• While there is an abundance of promising technology in the northern Kyushu region, this technology remains largely under-utilized.



Unification of information

Creation of a system that is better able to respond to a broad range of needs



An Aid Organizations for Environmental Industry Kyushu Recycling and Environment Industry Plaza; K-RIP'

- Cooperative organization for individuals in the environmental and recycling industries
 - Number of members:500
- Activities;
- Providing information,
- personnel development,
- support for commercialization
- Serving as a contact point for overseas development

⑥北部九州地域の事例紹介





