



IGPN and Green Purchasing Activities in Asia

Akira Kataoka
Manager, IGPN Secretariat
November 2006

INTERNATIONAL GREEN PURCHASING NETWORK

Introduction to IGPN

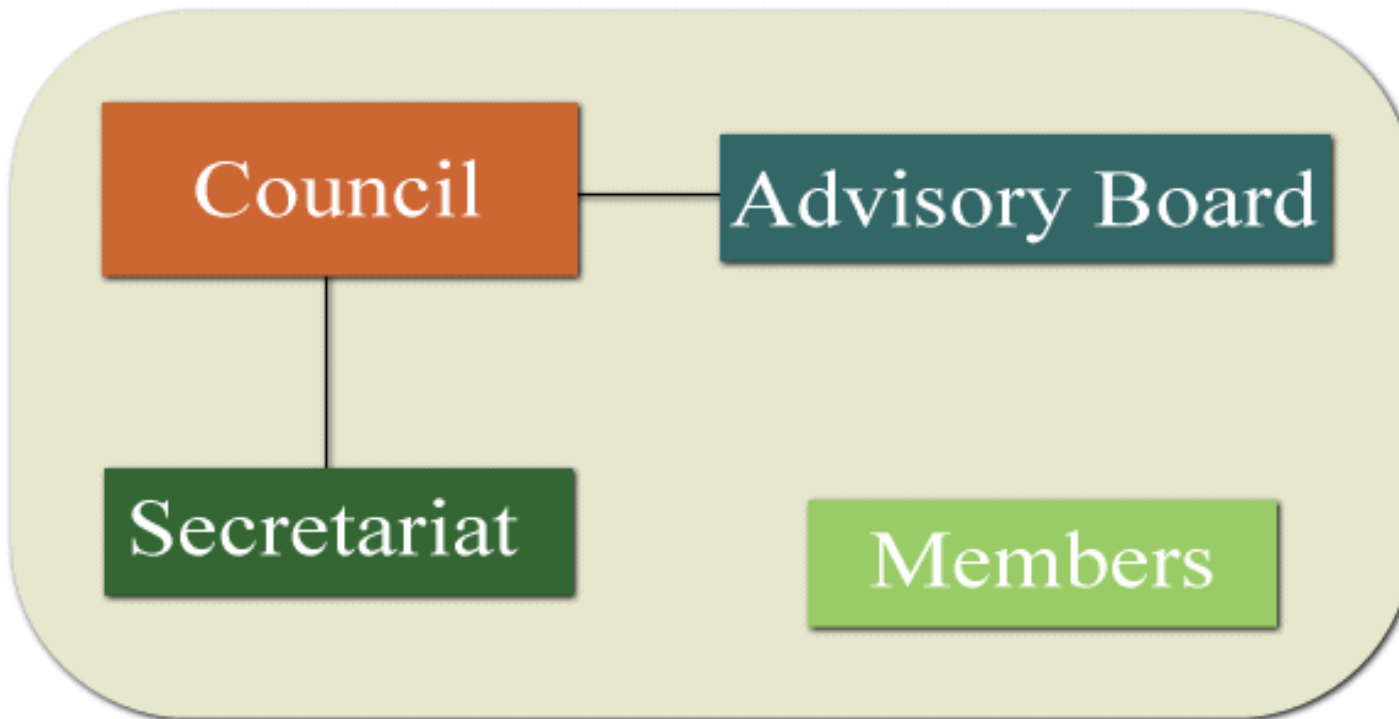
- **Launched in April 2005**
- **Based on Sendai Declaration in October 2004**

Missions

- **To promote the development of environmentally friendly products and services and Green Purchasing activities around the world**
- **To collect and share information on global Green Purchasing activities, the best examples, know-how, products information, purchasing policies and recent trends**
- **To harmonise the efforts of Green Purchasing and the development of environmentally friendly products and services from the global viewpoint**

IGPN Organisational Structure

■ Organizational Structure



IGPN Council Members

- **Green Purchasing Network (GPN)**
Prof. Ryoichi Yamamoto, Honorary Chair, The University of Tokyo *IGPN
Chairman
- **ICLEI**
Konrad Otto-Zimmermann, Secretary General
*IGPN Vice-Chairman
- **Swedish Environmental Management Council (SEMC)**
Peter Nohrstedt, Lead Manager for the Swedish Instrument for Ecologically Sustainable Procurement (EKU)
- **North American Green Purchasing Initiative (NAGPI)**
Scot Case, Director of procurement strategy
- **Korean Green Purchasing Network**
Duk Seung Lee, Secretary General
- **Green Purchasing Network (GPN)**
Hideki Nakahara, Chair
- **Green Purchasing Network Malaysia**
Augustine Koh, Secretary General

IGPN Advisory Board Members

- Mukesh Dev Bhattarai, Asian Productivity Organization (APO)
- Ning Yu, Global Ecolabelling Network (GEN)
- Christopher Browne, Environment Agency of England and Wales, UK
- Julie Shannon, U.S. Environmental Protection Agency
- Chikako Takase, UN DESA
- Monique Babuet, UNEP
- Chen Yanping, Environmental Development Center of State Environmental Protection Administration, China / Environmental Certification Center of State Environmental Protection Administration, China
- Dana Peterson, Ministry for the Environment, NZ
- Pongvipa Lohsomboon, Thai Environmental Institute (TEI)
- Hiroshi Kamagata, Ministry of the Environment (MOE), Japan
- Hidefumi Ikeda, Ministry of Economy, Trade and Industry (METI), Japan
- Toru Takahashi, Sendai City
- Takashi Kudo, Nippon Keidanren
- Teruo Saito, Japan Environment Association (JEA)

Responsibilities

Council

Enact IGPN Charter, and approve modifications, matters concerning organisational management, project proposals and project reports (incl. budgets) and membership admissions

Advisory Board

Give technical advice and guidance on IGPN activities based on past experience upon request of the Council or Secretariat

Secretariat

Draft project proposals, conduct projects and manage financial administration. Currently the Secretariat is located within Green Purchasing Network (GPN) in Japan

IGPN recent activities

(so far in 2006)



- **India: March 2006**

- 'Green Manufacturing and Management for Electronics Industry' workshop with Maharashtra Chamber of Commerce, Industries and Agriculture (MCCIA) in Pune



- **China: March 2006**

- 'IGPN Conference in China' in Suzhou with SEPA and launch of China GPN announced



IGPN recent activities

(so far in 2006)



- **Australia: May 2006**
 - IGPN Chairman invited to speak at 3rd National Buying Green Conference in Perth
 - Conference resolutions included the move towards establishing Australia GPN. Western Australia Local Government Association (WALGA) working on plan to establish Australia GPN for 2007
- **Spain: September 2006**
 - 'The 2nd International Green Purchasing Conference' as part of EcoProcura 2006 in Barcelona
- **Singapore: November**
 - Green purchasing workshop with Enterprise Promotion Centre (EPC) during Eco-Products International Fair 2006



IGPN remaining activities

(by end of March 2007)



- **Malaysia: 6th November**
 - “Connecting Green Asia with the Global Market” conference with Malaysia GPN in Kuala Lumpur
- **India: January 2007**
 - Seminars on green purchasing and greening supply chains in Pune and Delhi with MCCIA and CII. GPN India to be officially launched
- **China: February 2007**
 - Green purchasing seminar with China GPN
- **March 2007**
 - Green Purchasing Kit ready for dissemination on CD and over Internet

Main goals for next 5 years

- Support the establishment of GPNs in Asia-Pacific region and all over the world
- Develop global-scale green purchasing database
- Disseminate Green Purchasing activities around the world and contribute to the creation of a sustainable society.

Activity plans for next 5 years



2007

- Start development of global-scale green purchasing database for products, guidelines and regulations
- Support establishment of Hong Kong GPN and Australia GPN
- Start supporting establishment of GPNs and Singapore, New Zealand, Sri Lanka and Vietnam
- Support development of products guidelines for Malaysia GPN
- Hold more workshops and seminars in Asia-Pacific region
- Disseminate Green Purchasing Kit
- Support eco-products exhibition in Taiwan

2008 onward

- Expand the global-scale green purchasing database for products, guidelines and regulations
- Increase members
- Support establishment of GPNs around the world
- Hold seminars and regular international conferences in BRICs countries
- Conduct researches to assist the dissemination of green purchasing
- Develop international commendation system

Share information, experience and know-how via Internet



[About IGPN](#)
[News Archive](#)
[Global Activities](#)
[Guidelines and Criteria](#)
[Members' Only Forum](#)
[Events](#)
[New Membership Recruitment](#)
[Contact Us](#)

The International Green Purchasing Network (IGPN) is an organization which promotes Green Purchasing around the globe by coordinating those who take the initiative in implementing Green Purchasing toward sustainable consumption and production. The network consists of international organizations, businesses, governmental organizations, local authorities and NGOs

☐ This Web Site

JOIN IGPN

What's New!

December 22, 2005	The information on the Office of the Federal Environmental Executive of the USA is now available from the IGPN web site.
December 1, 2005	IGPN now offers memberships !
November 24, 2005	The 2nd International Green Purchasing Conference is to take place in conjunction with EcoProcura 2006 in Barcelona, Spain.
November 24, 2005	A list of information on various events in the UK, Canada, Switzerland and New Zealand is now available!
November 7, 2005	GPN to exhibit on Food in Eco-Products 2005
November 7, 2005	Bio-Plastics Green Purchasing Research Group to be Born
October 11, 2005	IGPN held International Symposium on Green Purchasing in Bangkok on 7th October 2005
October 11, 2005	China, Japan, Korea to Utilize IGPN
September 20, 2005	UK Sustainable Procurement Task Force to Publish Report Early 2006
September 13, 2005	Agenda for the IGPN International Symposium in Bangkok is now available at Event Calendar.

International Green Purchasing Network (IGPN) Cosmos Aoyama 5-53-67, Jingumae, Shibuya-ku, Tokyo 150-0001, Japan.
 Phone: +81-3-3406-5155 Fax: +81-3-3406-5190 E-mail: igpn@net.email.ne.jp

[Home](#) | [News Archive](#) | [About IGPN](#) | [Global Activities](#) | [Standard Criteria](#) | [Members' Only Forum](#) | [Events](#)
[New Membership Recruitment](#) | [Contact Us](#)

Copyright © 2006 IGPN All Rights Reserved

<http://www.igpn.org>



INTERNATIONAL GREEN PURCHASING NETWORK

IGPN

[Home](#) | [News Archive](#) | [About IGPN](#) | [Global Activities](#) | [Standard Criteria](#)
[Members' Only Forum](#) | [Events](#) | [New Membership Recruitment](#) | [Contact Us](#)

☐ This Web Site

[Home](#) >> [News Archive](#) >> [About IGPN](#) >> [Global Activities](#)

Global Activities

Here you will find a several tables of the Matrix of Global Activities for Green Purchasing, which was developed as a tool to compare and contrast activities of various organizations around the globe. >> [Details of Global Activities](#)

World Area



MEMBER

AUSTRALIA
 BRAZIL
 CANADA
 CROATIA
 CZECH
 EU
 GERMANY
 GREECE
 HONG KONG
 INDIA
 JAPAN

The Australian Environmental Labelling Association Inc (AELA)
 Associacao Brasileira de Normas Tecnicas (ABNT)
 Terra Choice Environmental Service Inc, Environment Canada
 Ministry of Environmental Protection and Physical Planning
 Republic Ministry of the Environment
 European Commission - DG ENVIRONMENT (G2)
 Federal Environmental Agency (FEA)
 ASAOS, Supreme Council for Awarding the Ecolabel
 (GC) Green Council
 (HKFEP) Hong Kong Federation of Environmental Protection
 (HKFEP) Limited
 Central Pollution Control Board (CPCB)

Green Purchasing

Activities International Trends

History of Green Public Procurement

- **1987:** The Brundtland Commission defined the concept of Sustainable Development
- **1991:** Green production and consumption concept incorporated into national policies/plans in Netherlands (1989) and in Denmark
- **1992:** Principles for sustainable production and consumption included green procurement (Rio Declaration, Earth Summit)
 - Eliminate unsustainable patterns of production and consumption
 - Enact effective environmental legislation, standards, objectives
 - Trade policy measures for environmental purpose should not constitute international trade barriers

History of Green Public Procurement

(cont'd)



- **Post Earth Summit Action Plans by UNCSD & OECD included**
 - Incorporate **environmental costs** into product prices
 - Promote **green government procurement** measures
 - Extend **manufacturers' product life-cycle responsibilities**
 - Promote **eco-labeling** programs
- **2002: Recommendation of the Council on Improving the Environmental Performance of Public Procurement adopted by OECD Council**
- **2002: WSSD Plan of Implementation**
 - Authorities to take sustainable development considerations into account in decision-making
 - **Public procurement policies** to be promoted by encouraging development and diffusion of environmentally sound goods & services

Purchasing Power of Public Organisations



■ EU:

- Public purchasing: €1 trillion/year
- Over 14-16% of GDP



■ US:

- Federal government spending \$500 billion/year
- State/local governments spending \$400 billion/year



■ Japan:

- National government spending: ¥14 trillion/year
- Local governments spending: ¥44 trillion/year
- In total 17.6% of GDP



■ UN:

- \$3 billion/year worth of business opportunities linked to UN direct/indirect spending of \$30 billion



Effect of Green Purchasing

RELIEF Project by ICLEI - Local Governments for Sustainability

- Project to identify environmental relief potential of green purchasing in Europe

The potential of green purchasing

Product	Impact category	Environmental relief thru public green purchasing	Corresponding person equivalents
Buses	Photochemical ozone formation (tC ₂ H ₄ -equiv.)	-3,350	-134,110 (European)
Sanitary devices	Water consumption (l)	-190,407,539	n/a
Computers	Greenhouse gas emissions (tCO ₂ -equiv.)	-832,320	-101,503 (Global)
Food	Nutrification (tPO ₄ -equiv.)	-41,560	-3,676,492 (European)
Electricity	Greenhouse gas emissions (tCO ₂ -equiv.)	-61,350,363	-7,481,752 (Global)

Source: "Eco-procurement. The path to a greener marketplace." by ECLEI

Effect of Green Purchasing

- EU (results of green public procurement study - 2003)
 - On average **19%** of administrations included environmental criteria for more than 50% of their purchases in EU
 - Better performing countries: **Sweden (50%), Denmark (40%), Germany (30%), Austria (28%), UK (23%)**
- USA
 - Promote green procurement since 1976 to purchase green products with characteristics of **recycled contents, low standby power, renewable energy, bio-based contents, and no ODC**
 - Purchased over 60 products with **recycled contents** - value exceeds 3.6 billion USD over past decade
 - Purchased 552 million kWh **green electricity** in 2003

TAIWAN

Green Purchasing Activities

- **Legal Base**
 - Energy Conservation Act, Government Procurement Act and Notice on Implementation of Resource Conservation Activities
- **Governments** shall preferentially purchase products on designated list
- **Designated categories** include office paper, stationary, computer, refrigerators, air conditioners, water saving toilets etc.
- **73.8% purchasing ratio** in designated categories in 2003 (much above 50% target)
- If purchasers do not conform to requirements, finance departments may refuse payment

CHINA

Green Purchasing Activities

- **Government Procurement Law**
 - Enacted in 2003
 - Current legal base for Green Purchasing
 - Prescribe government to purchase environmentally friendly products
- **Emerging trends**
 - Local authorities making policies to promote Green Purchasing
 - The Olympic Commission of Beijing implements Green Purchasing
 - Large-scale public works invite bidding for green products
- **Plan to develop Green Purchasing law and/or relevant regulations to promote Green Purchasing by around 2010**

JAPAN

Green Purchasing Activities



■ Green Purchasing Network (GPN)

- Founded in 1996 by governments, businesses and associations
- Currently has 2,800 members (2,200 companies, 300 governments, 300 NGOs)
- Established 15 purchasing guidelines, product DB (12,000 products registered), hotel DB, award system, training/seminars, etc.

■ Government - Green Purchasing Law

- Green Purchasing Law enacted in 2000 and enforced since 2001
- All state ministries & agencies must draw up annual green procurement policy, implement plan and report results
- All state institutions obliged to purchase designated procurement items

JAPAN

Green Purchasing Activities



■ Eco Mark Programme

- Established by Japan Environment Association (JEA) and widely in use since 1989
- Currently 5,000 certified products within 45 categories



KOREA

Green Purchasing Activities



■ Green Purchasing Law

- Adopted in Dec 2004 and enforced since July 2005
- Public agencies obliged to purchase environmentally friendly products (Eco-Products)
 - **Definition of Eco-Products:**
 - Korea Eco-Label certified products or products satisfying certification criteria
 - Good Recycled Mark certified products or products satisfying certification criteria
 - Other eco-products satisfying criteria set by the MoE



KOREA

Green Purchasing Activities

- **Green Purchasing Law (cont'd)**
 - MoE annually sets up **Purchasing Guidelines** of Eco-Products
 - Public agencies shall announce **purchasing plans** of Eco-Products, practice, and report annual performance
 - **Preferential grants** of environment-related subsidies provided to local governments
 - **KOECO (Korea Eco-Products Institute)** established to provide information, develop criteria and educate officials
- **Korean Green Purchasing Network**
 - Established in 1999 based on Green Consumer Network
 - Draws up purchasing guidelines, publish eco-products catalogue, give awards, conduct survey, etc.

THAILAND

Green Purchasing Activities

- Thai Green Purchasing Network founded in August 2004 under the project “Development of Greening the Supply Chain (GSC) Model for Use in Thailand”
- Secretariat: Thailand Environment Institute
- Missions
 - To define concept and definition of “Green Purchasing and Procurement” and “Green Product” in Thailand
 - To gather information and materials related to “green products” and disseminate to public
 - To provide guidelines about Green Purchasing procedure “best practices”.
 - To raise consumers’ awareness on Green Purchasing policy and green products in Thailand
 - To organise information exchange forum among members and other organizations

EU

Green Purchasing Activities



- **Commission Interpretative Communication (2001)**
 - On the Community law applicable to public procurement and the possibilities for integrating environmental considerations into public procurement
- **New Public Procurement Directives (March 2004)**
 - Clarify possibilities for integrating environmental considerations at different stages of a public procurement procedure
- **Handbook on Environmental Public Procurement « Buying green! » (August 2004)**
 - Give further explanations and best practice examples
- **General legal principles**
 - Transparency, non-discrimination, link with subject matter of contract, mutual recognition of equivalent products / specifications / production methods / labels





EU

Green Purchasing Activities

(cont'd)



■ Definition of Green Public Procurement

The approach by which Public Authorities integrate environmental criteria into all stages of their procurement process, thus encouraging the spread of environmental technologies and the development of environmentally sound products, by seeking and choosing outcomes and solutions that have the least possible impact on the environment throughout their whole life-cycle.

EU

Green Purchasing Activities

(cont'd)




■ Green Public Procurement Studies and Projects:

- Pubenefs project
- EULEB project
- Intelligent Road and Street lighting in Europe (E-Street)
- GreenLabelsPurchase
- Green initiative for energy efficient eco-products in the construction industry (GREEN-IT)
- TECHNOLOGY PROCUREMENT FOR VERY ENERGY EFFICIENT CIRCULATION PUMPS
- The CLEAN-E project
- EUGENE network
- EUROContract Guaranteed Energy Performance
- DEEP : Dissemination of Energy Efficiency in the Public Buildings Sector
- State of play on Green public procurement in the EU, October 2005
- RELIEF project
- ICLEI study : State of play on GPP in Europe (for DG ENV)
- PROMISE : Green Procurement in Local authorities (part of ALTENER Programme, funded by DG TREN)
- LEAP (Local Authority EMAS and procurement)
- Managenergy (DG TREN to support European local & regional energy management activities)
- Harnessing the Power of the Public Purse
- GPPnet
- Elements from the Austrian Criteria Catalogue Check it! Green Purchasing Criteria

USA

Green Purchasing Activities



- **Energy Star program (1992)** 
- **Comprehensive Procurement Guidelines (1995)**
 - Promote purchasing of recycled products
 - CPG Supplier Database
- **Farm Bill (2004)**
 - Encourage purchase of bio-based products
- **Environmentally Preferable Purchasing(EPP) program**
 - Based on “Executive Order 13101” (1998) which requires all the procurement officials to give preference to environmentally preferable products and services
 - EPP Database: Cover 53 products and service groups and link to various information sources:
 - Contract language, specifications, and policies
 - Environmental standards and guidelines
 - Vendor lists of product brands
 - Product focused EPP Guides, web-based training guide, Case studies, Pilot projects, role model of EPA

CANADA

Green Purchasing Activities



- Government of Canada's Green Plan (1990) included green purchasing
- Established Commissioner of the Environment and Development (1995)
- Launched "Sustainable Development in Government Operations (SDGO)" (1999)
- Adopted SDGO proposal included green purchasing as priority area
- Published **green purchasing guidelines and checklists covering papers, furniture, hotels and meetings/events**
- Major promotion programs include Environmental Choice, Energy Star, Green Leaf Eco-rating Program

Conclusions

- Governments across the world already started Green Purchasing and have made considerable successes.
- Legal framework securing Green Purchasing is necessary.
- Businesses expected to practice Green Purchasing as well as to supply eco-products.
- Provision of product-related environmental information is essential.
- International sharing of good experiences, information and know-how will contribute to dissemination of Green Purchasing.

Thank You for your attention.

**Please visit new IGPN web site
www.igpn.org**
