

# Japan Green Building Council

## From the establishment to Present

(A quick history with pictures)



**April, 2008**

# ***The 1st Global Environmental Seminar***

***May, 1997***



**Dr. Asher Derman**  
**"What is A Global**  
**Environmental Problem?**  
**What are the keys**  
**to solve it?"**



**Mr. Laurence Doxsey**  
**"Implementation of**  
**Green Building Policy**  
**in Austin,TX"**



**Ms. Pamela Lippe**  
**"The History of the American**  
**Environmental Movement"**



***Nagoya/Osaka/Hiroshima***

# March, 1998

Japan Green Building Council was established as a voluntary organization



## Objective

*To contribute to environmental protection and advocacy by promoting international information exchange, in order to reduce environmental impacts associated with all phases of building activities from planning, construction and operation to eventual demolition.*



# Types of Activities

Activities to **Protect the Environment**

Activities to **Promote Social Education**

Activities to **Promote Community Development**

Activities for **International Cooperation**

## ***Inaugural Meeting***

***March 26, 1998***



Chairman: Mr. Toshiro Fujisawa



Founder: Mr. Takatoshi Ishiguro



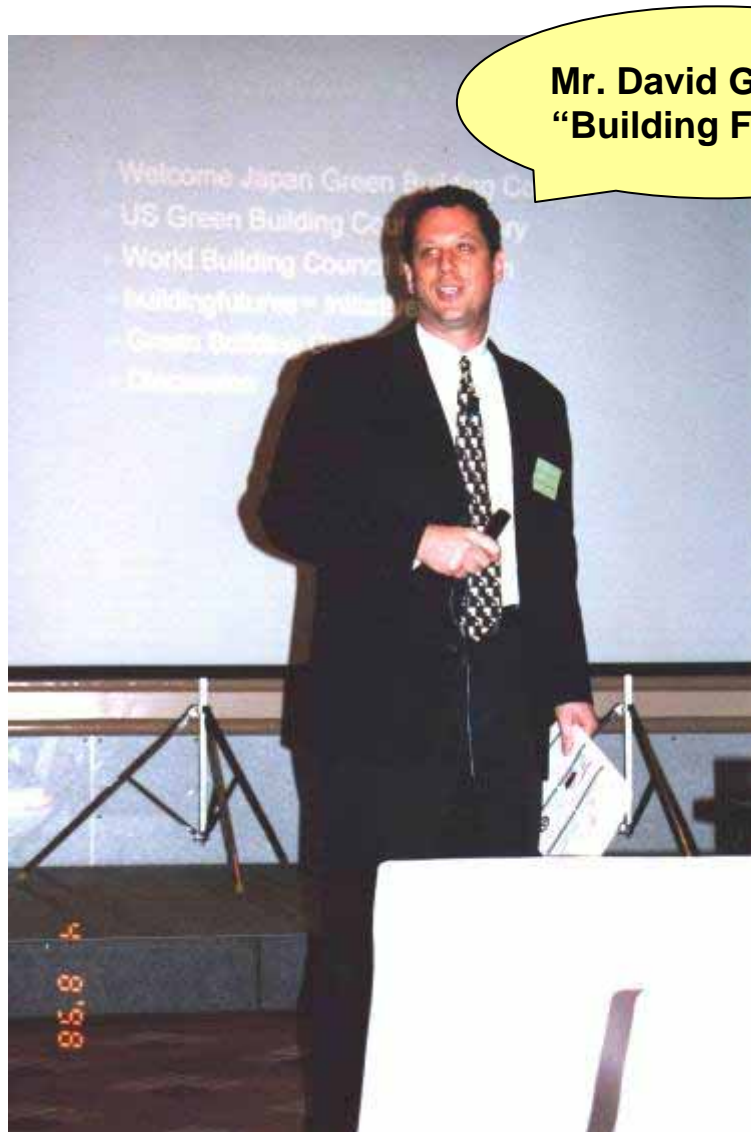
Executive Director: Mr. Mitsuhiro Asai

***Hotel Leoplace***



# Kick-off Sminar

April 4 & 6, 1998



Tokyo/Nagoya

# ***The 2<sup>nd</sup> Global Environmental Seminar***

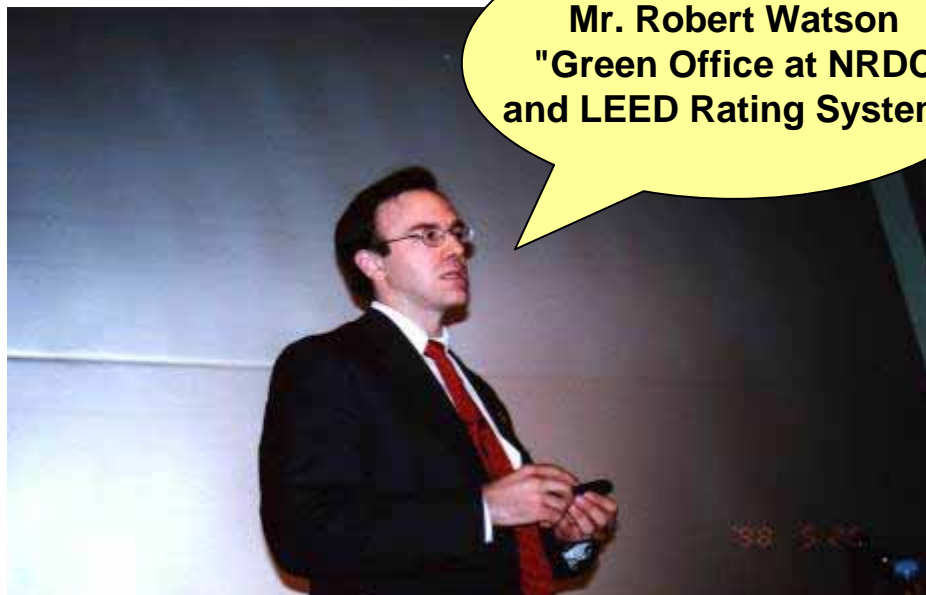
***May 26, 27 & 29, 1998***



**Mr. Denis Hayes**  
**"Energy in the 21st Century:  
Opportunities and Constraints"**



**Ms. Lynn Simon**  
**"Sustainable Materials Selection  
for the Thoreau Center",  
"Sustainable Building Program  
for the city of Los Angeles"**



**Mr. Robert Watson**  
**"Green Office at NRDC  
and LEED Rating System"**



***Nagoya/Osaka/Fukuoka***



# ***The 2nd Global Environmental Seminar***

***May 24 & 25, 1998***



***Workshops at Aichi Environmental Division and World Expo Promotion Division & Construction Division Visitation***



# ***The 2nd Global Environmental Seminar***

***May 24 & 25, 1998***



***Official visitation of Nagoya city & workshops at  
construction division and environmental division***



## **1-Year Anniversary Seminar**

日本グリーンビルディング協会設立1周年記念講演会



**March 30, 1999**



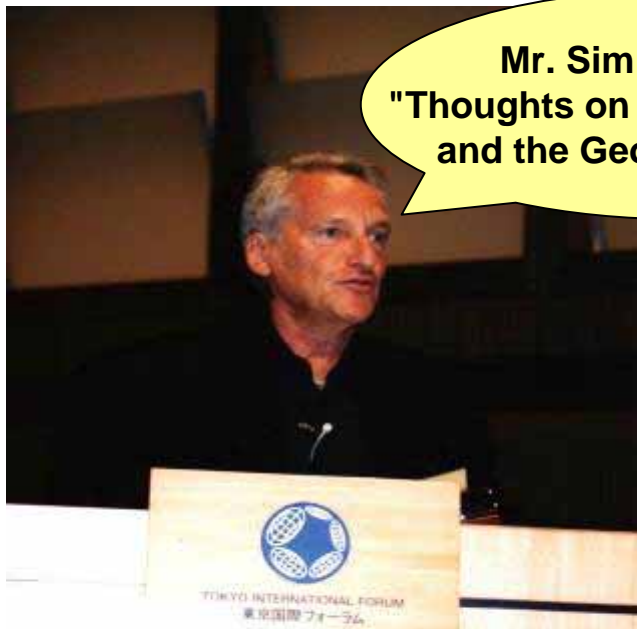
Mr. Hiroshi Ohki  
"Global Warming and  
the Japanese Economy"



***Nagoya International Hotel***

# ***The 3<sup>rd</sup> Global Environmental Seminar***

***June 1, 3 & 7, 1999***



**Mr. Sim Van Der Ryn**  
**"Thoughts on Sacred Landscape  
and the Geometry of Hope"**



**Ms. Hillary Brown**  
**"A Shade of Green for  
the Big Apple"**



***Tokyo/Nagoya/Osaka***



# ***The 3rd Global Environmental Seminar***

***June 4, 1999***



***The workshop at the  
Construction Division,  
Aichi Prefecture***



## ***The 3rd Global Environmental Seminar***

***June 4, 1999***



**Official visitation of Nagoya city and the workshop at the Construction Division**

# ***Green Building Study Tour in the USA***

***November, 1999***



**Denver**



**Austin**



**San Francisco**



***Preparatory Meeting for the Establishment of the World Green Building Council  
November 12, 1999***



***San Francisco***

# ***Celebration Seminar for the Publication of “Green Development” in Japanese Translation***

***February 1, 2000***



***Nagoya/Tokyo***



# ***Earth Day 2000 Festival***

***April 22, 2000***

## **Environmental Seminar**



### **Opening Ceremony**

**Mr. Shigeru Matsushima, Head of Chubu Bureau  
of Economy, Trade and Industry**



**Speech by Ms. Ryoko Nakano (Actor)  
“Nature, Mind and Body”**



**Speech by Kuniko Tanioka (President of Chukyo Women’s University)  
“Is Affluence Bad for the Environment?”**

***Naka Ward Office (1)***



# ***Earth Day 2000 Festival***

***April 22, 2000***

## **Ceramic Musical Instruments & Suzuki Method Concert by Children**



**Suzuki Method  
Violin Performance by 180 Suzuki Children**



**Concert Using Fine Ceramic  
Musical instruments**



***Naka Ward Office (2)***

# ***Earth Day 2000 Festival***

***April 22, 2000***

## **Puppet Play/Ballet Performance**



**Ballet Performance**



**Puppet Play**



***Naka Ward Office (3)***



# Earth Day 2000 Festival

April 22 & 23, 2000



Environmental  
Games

*Mochinoki Plaza, Hisaya Odori Park*



# ***Earth Day 2000 Festival***

***April 22 & 23, 2000***

## **Charity Auction**



## **Love and Peace Concert**



***Mochinoki Plaza, Hisaya Odori Park***

# ***Earth Day 2000 Festival***

***April 22 & 23, 2000***

## **Exhibition of 2000 Environment & Lifestyle Survey Results**



***Mochinoki Plaza, Hisaya Odori Park***



# ***Earth Day 2000 Festival***

***April 22 & 23, 2000***

## Exhibition of Environmental Posters



***Mochinoki Plaza, Hisaya Odori Park***



# ***Earth Day 2000 Festival***

***April 22 & 23, 2000***

## **Corporate exhibition booths (16 companies)**



***Mochinoki Plaza, Hisaya Odori Park***



# ***Earth Day 2000 Festival***

***April 22 & 23, 2000***

**Exhibition booths of governmental agencies, universities, etc.**



***Mochinoki Plaza, Hisaya Odori Park***

# ***Earth Day 2000 Festival***

***April 22, 2000***

**74 Earth Day Flags with signatures by 2500 people  
“One World”**



***Mochinoki Plaza, Hisaya Odori Park***



## ***Earth Day 2000***



***April 22, 2000***



**Reported our activities  
at the Earth Day  
Headquarters in the U.S.**

**With Mr. Denis Hayes, the Father  
of Earth Day**

***Washington, D.C.***

# ***The 1<sup>st</sup> National Meeting & Memorial Seminar      November 29, 2000***



**Mr. Hiroshi Ohki, Former Minister of  
the Environment**

**Corporate Presentations  
and A Party**



**Mr. Mizutani, President of INAX/Mr. Fujisawa, Chairman of JGBC**

***INAX Headquarters***



# ***Memorial Seminar <Economy and Environment> November 30, 2000***



***Nagoya Congress Center***

# **Green Inspector Training Program October, 2000 – March, 2001 (6 Days, 18 sessions)**

## ***Green Inspector Training Program (Day 1)***

***October 12, 2000***



- 1 . Ideas of Green Development  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)**
- 2 . Cogeneration  
(Mr. Shota Matsui, Fuji Electric)**
- 3 . Water Reuse  
(Mr. Hasegawa, Sankyo)**

***Conference Room at Kokuyo***



## ***Green Inspector Training Program (Day 2)***

***November 8, 2000***



- 1 . Green Building Programs  
in Different Countries  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)**
- 2 . Duct Cleaning Using IAQ; ACVA System  
(Mr. Koji Yamada, Akamon Winton)**
- 3 . Permeable Paving & Permeable Materials  
(Mr. Katsumi Tate, Sato Doro)**

***Conference Room at Kokuyo***

# ***Green Inspector Training Program (Day 3)***

***December 19, 2000***



- 1 . Introduction of Green Buildings  
in Different Countries  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)**
- 2 . Energy Saving Lighting and Leading Trend  
(Mr. Kazuo Chiyo, Matsushita Electric Works)**
- 3 . Recycling and the Response to Global Warming  
(Mr. Kunio Mizuno, Alta Corporation)**

***Conference Room at Kokuyo***



# ***Green Inspector Training Program (Day 4)***

***January 24, 2001***



- 1 . Introduction of Green Development Examples  
in Different Countries  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)**
- 2 . Sewage Treatment Trend  
(Mr. Toshifumi Asai, INAX)**
- 3 . Improvement of Kitchen Environment  
(Mr. Akimitsu Kishimoto; Mr. Jun Otsuki,  
Luckland)**

***Conference Room at Kokuyo***

# ***Green Inspector Training Program (Day 5)***

***February 23, 2001***



- 1 . Possibilities and Problems of Green Business  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)**
- 2 . Thermal Storage  
(Mr. Masaya Okumiya, Nagoya University)**
- 3 . Air-Conditioning Equipment  
& Greening Technology  
(Mr. Sumio Han, Yazaki Corporation)**
- 4 . Green Elevators  
(Mr. Yoshitomo Yoshino, Fuji Tech)**

***Conference Room at Kokuyo***



# ***Green Inspector Training Program (Day 6)***

***March 14, 2001***



- 1 . On Completion of Green Inspector  
Training Program  
(Mr. Takatoshi Ishiguro,  
PES Kenchiku Kankyo Sekkei)
- 2 . Energy Conservation  
(Mr. Kazuo Takagi, Chubu Electric Power)
- 3 . Environmental Impact Reduction  
Related to Water Use  
(Mr. Daisuke Uamauchi, TOTO)
- 4 . Environmental Approaches for Home Appliances  
(Mr. Tomoyuki Sakata, Matsushita Electric Works)

***Conference Room at Kokuyo***

# *The Birth of Green Inspectors (46 People)*

***May 29, 2001***



***Nagoya***



# ***The 4<sup>th</sup> Global Environmental Seminar***

***February 7, 2002***

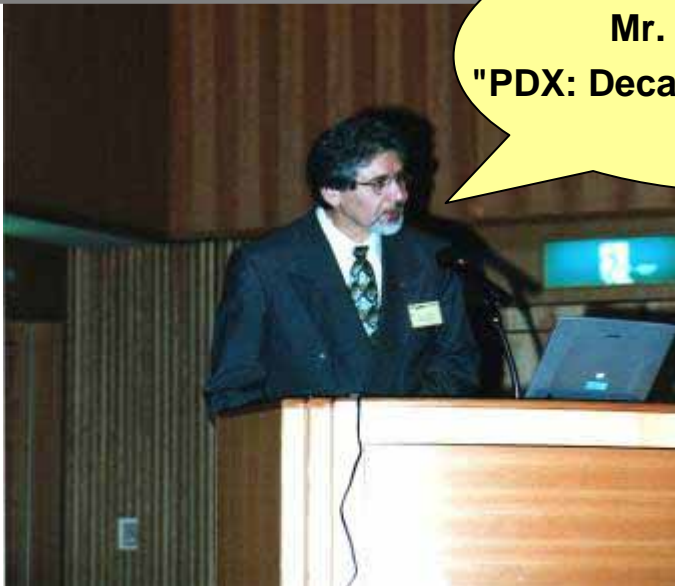
**Dr. Laurence Speck**  
**"A Broad View of Sustainability:  
Austin Bergstrom International Airport"**



**Ms. Susan Barnett**  
**"Building Experience of  
a Texas Environmentalist"**



**Mr. Jose l'Alcala**  
**"PDX: Decade of Development"**



***Tokyo/Nagoya***

# ***The 4<sup>th</sup> Global Environmental Seminar***

***February 8, 2002***



**Official Visitation of Environmental Division, Nagoya city**



**Official Visitation of Aichi Prefecture**

***Aichi Prefecture/Environmental  
Division, Nagoya city***



**March, 2002**

**Incorporated as a Non-  
Profit Organization**

**March, 2002**

Specified Non-Profit Organization  
Japan Green Building COuncil



Objective

*To contribute to environmental protection and advocacy by promoting international information exchange, in order to reduce environmental impacts associated with all phases of building activities from planning, construction and operation to eventual demolition.*





# Types of Activities

- 1 . Activities to **Protect the Environment**
- 2 . Activities to **Promote Social Education**
- 3 . Activities to **Promote Community Development**
- 4 . Activities for **International Cooperation**

(Include specified non-profit activities and  
profit-earning activities)

***World Green Building Council Annual Assembly      November, 2002***



***Austin, TX, USA***



# The 2nd National Meeting/Green Building Tour/Seminar



March 14 & 15,  
2003



*Ecolodge Shimanto, Kochi Prefecture*

# Seminar

**March 15, 2003**

**Mr. Chris Balfe (HVS)**  
**“Examples of Environmentally  
Friendly Hotels in the World”**



**ECOTEL  
2-Star  
Certification**



**Green Commissioning of Existing Buildings**  
**(Evaluation of environmental performance)**  
**September, 2003 – May, 2005**

## **Green Commissioning**

- 1. Identify items for environmental protection**  
**(Check the level of greenness)**
- 2. Energy consumption data collection**  
**(Calculate the amount of CO<sub>2</sub> emissions)**
- 3. Conduct hearing with the management**  
**(Understand operational situation and environmental measures in the operation)**
- 4. On-site measurement**  
**(Indoor Environment: Temperature and humidity, air flow, illumination, VOC, etc.)**  
**(System performance: Heat loss, voltage drop, etc.)**

# **Green Commissioning**

## **Qualitative Assessment**

**(Planning/Design/Construction/Operation Phase)**

- **Environmental enhancement & education**
- **Air quality**
- **Water quality**
- **Soil and greening**
- **Safety and comfort**
- **Resource & energy conservation**

## **Quantitative Assessment**

- **Calculation of annual CO<sub>2</sub> emissions**



## Green Commissioning of Existing Buildings

**September 5-7, 2003**

### **Facility 1: Nagoya Sakae Washington Hotel Plaza**

Floor Area: 7,084 m<sup>2</sup>



#### **<Environmental Items>**

**Fuel cells (1000kW)**

**Consideration for urban landscape**

**Recycled materials**

**Top light**

**Waste disposer**

## Facility 2: INAX Headquarters Building

***February 16, 2004***

Floor Area: 8,143 m<sup>2</sup>



### <Environmental Items>

High-efficiency lighting system (equipments, daylight sensors, motion sensors)

Energy Star equipments

Ceiling fans



# Facility 3: Matsushita Electric Works Nagoya Building

**May 11, 2004**

Floor Area: 23,931 m<sup>2</sup>



## <Environmental Items>

High-efficiency lighting system (equipments, daylight sensors, motion sensors)

Rainwater harvesting system

High-efficiency absorption heater/chiller

Access floor

# Facility 4: Chikusa Cultural Theater

**February 15, 2005**

Floor Area: 1,521 m<sup>2</sup>



<Environmental Items>

Green Wall

Rainwater Harvesting System



## Facility 5: Minami Ward Office

***March 2, 2005***

Floor Area: 12,956 m<sup>2</sup>



### <Environmental Items>

Photovoltaic power generation system  
(15kW)

Rainwater harvesting system

Waste disposer

# Annual Assembly and Memorial Seminar

June, 2004



Mr. Shosaku Nozawa  
Board Member, JGBC/Adviser, Washington Hotel  
“Corporate Reform and Development  
Related to Environmental Practice”



# Presentation at “Aichi Eco-Tech Fair” November, 2004



**Nagoya**

# Social Event and Memorial Seminar

January, 2005



**Mr. Hiroshi Ohki**

**Chairman, JGBC/Former Minister of the Environment**

**Chairman of the Kyoto Conference**

**"International Affairs and Japanese Actions  
Related to Prevention of Global Warming"**

**Nagoya**



# German Eco Housing Seminar

February, 2005



**<Organizers>  
Aichi Prefecture, JETRO  
& German Eco House Network**

**Mr. Takatoshi Ishiguro  
Founder, JGBC/Vice Chairman  
“Green Development Project  
- Ecolodge Shimanto”**

**Nagoya**

# "World Life & Environmental Exchange"

**July 14, 2005**



**Official  
Visitation of  
Nagoya city**



**Official  
Visitation of  
Aichi  
Prefecture**



# **“World Life & Environmental Exchange”**

## **July 14, 2005**

### **<Aichi Expo> Memorial Green Seminar & International Exchange Party**



**Dr. Sabine Mitterer**  
**"The Viennese Waltz of  
Ecology and Economy"**



**Mr. Aurelio Ramirez-Zarzosa**  
**"Green Developments in Spain  
- Case Studies"**



**Mr. Hideyo Totani**  
**"American Houses and  
Japanese Houses"**



**Mielparque Nagoya**

# **“World Life & Environmental Exchange”**

## **Environmental Presentation**

**July 15, 2005**

International students studying in Japan gave presentations on world environmental conditions to promote international exchange of information about the environment and life in different countries.



**Hong Seok Gyu**  
“Nature and Cultural Heritage in Korea”



**Anestoria Shalkowski**  
“Environmental Pollution and Protection”



**Daniel Azarias Chongo**  
“Ecotourism as Tool for Natural Management”



**Jia Ruichen**  
“Environmental Program in Today’s China”



**Aichi Expo Site**  
**Global Village Auditorium**



# **“World Life & Environmental Exchange”**

## **Environmental Presentation**

**July 15, 2005**



**Christopher Balfe**  
“Ecotel in the world”



**Edwin Kofi Sarfo**  
“® isomax Zero Energy Building System”



**Manuel Conzalez**  
“Spanish Architecture”



**Yoshimi Iwabuchi**  
“Energy Audit”



**Aichi Expo Site**  
**Global Village Auditorium**

# **“World Life & Environmental Exchange”**

## **Environmental Presentation**

**July 16, 2005**



**Sung Ji Youn**  
**“Food Waste Policy in Korea”**



**Mst Farida Perveen**  
**“Natural Disaster”**



**Arthur Chun-Yeung Kong**  
**“Canadian Working Together for  
Green Living”**



**Tekle Kelai Adhana**  
**“Poverty and Food Environment”**



**Aichi Expo Site**  
**Global Village Auditorium**



# **“World Life & Environmental Exchange”**

## **Environmental Presentation**

**July 16, 2005**



**Khin Lwin Latt**  
“Nature and Culture”



**Nan GUo**  
“Desertification in Mongolia”



**Khan Nadar**  
“Geography, Weather and Culture”



**Ajay Goyal**  
“Unity in Diversity/Indian Culture”



**Aichi Expo Site**  
**Global Village Auditorium**

# **“World Life & Environmental Exchange”**

## **Environmental Presentation**

**July 16, 2005**



**Siqingaowa**  
“Mongolian Nature and Culture, and  
its environmental Problem”



**Sharma Ishan Nath**  
“Nature and Environmental  
Problems in Nepal”



**Ahmad Zahoor**  
“Water Pollution, Environmental Pollution  
and Population”



**Monica Garg**  
“Beauty of Nature”



**Lu Lin**  
“Environment in China Today”



**Aichi Expo Site**  
**Global Village Auditorium**

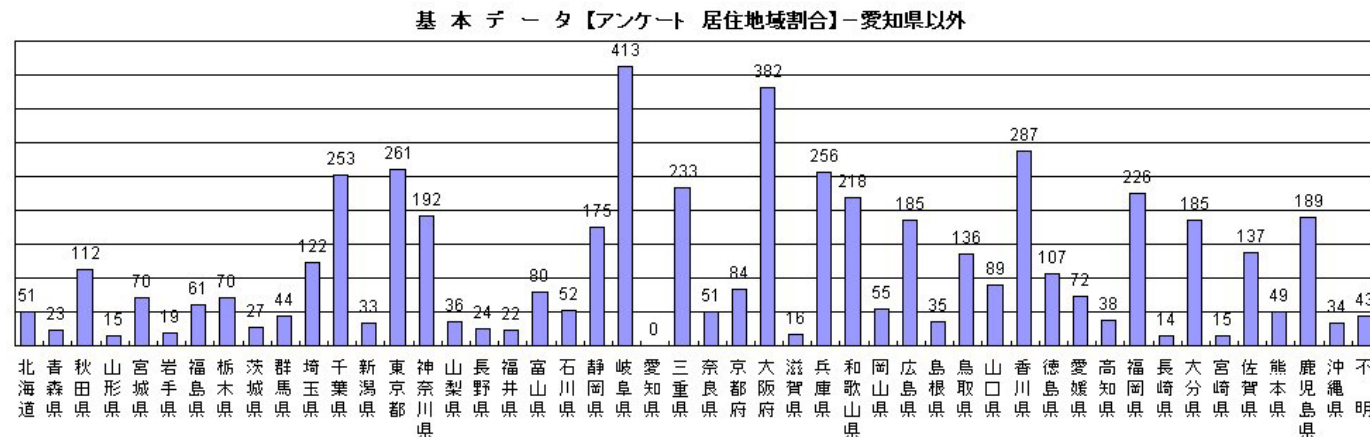


# Presentation of the 2005 Environment & Lifestyle Survey Results

## July 16, 2005



The survey had 8782 responses from all over the country (Hokkaido to Okinawa).



**Aichi Expo Site  
Global Village**

# **“World Life & Environmental Exchange” July 15 &16, 2005**

## **Events at Global Village**



**Jazzarcize**



**Dance with  
participants**



**Aichi Expo Site  
Global Village**



# **“World Life & Environmental Exchange” July 15 &16, 2005**

## **Events at Global Village**



**Japanese Drum Performance**

**Aichi Expo Site  
Global Village**

# **“World Life & Environmental Exchange”**

## **Environmental Poster Exhibition**

**July 14, 2005**



**Posters from throughout Japan**



**Posters from Germany**



**Corporate Exhibition**



**Mielparque Nagoya**

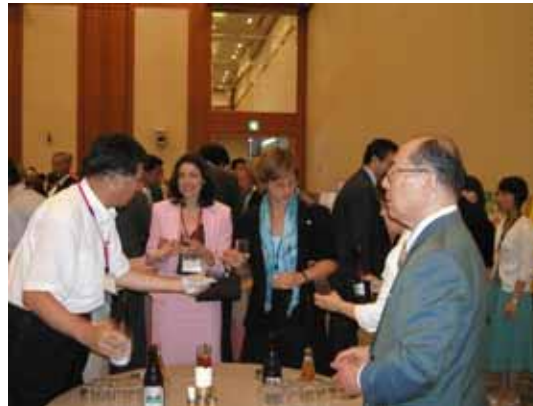


# **“World Life & Environmental Exchange” Party**

**July 14, 2005**



**Musical Performance**



**Greetings by international students dressed in ethnic costumes**



**Mielparque Nagoya**

# 「環境交流セミナー：異文化に触れる夜」 2006年5月

Ahmad Zahoor



Lu Lin



Monika Garg



Khan Nadar



International Hotel Nagoya

Nagoya



# **Network for World Environmental Students**

## **Establishment of the World Student Eco League**

**September, 2006 -**

**Duke University  
(North Carolina, USA)**

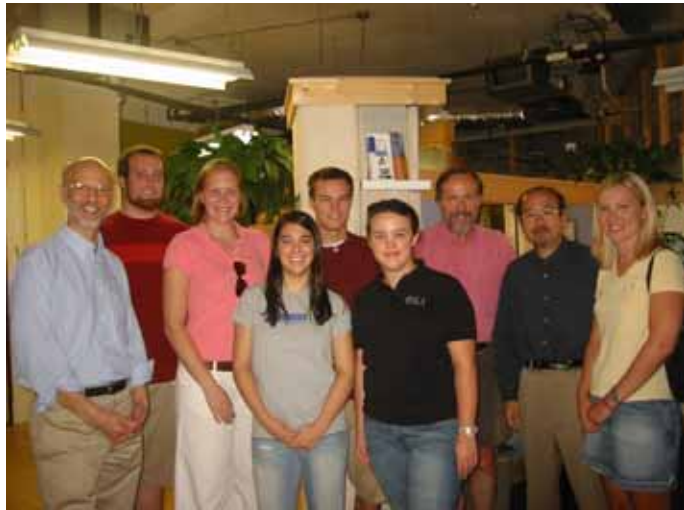
**Septembere 6-8, 2006**



**Dr. Robert Healy**



**Dr. Deborah Gallagher**



**Trinity University  
(Texas, USA)  
October 4, 2006  
Dr. Char Miller**

# **Network for World Environmental Students**

## **Establishment of the World Student Eco League**

**September, 2006 -**

**University of British Columbia  
(Canada)  
November 14-15, 2006**



**Dr. Don Krug**



**Dr. Mark Edwards**



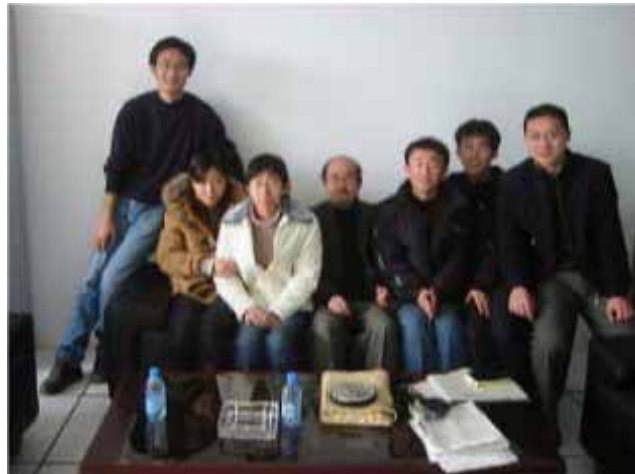
# **Network for World Environmental Students**

## **Establishment of the World Student Eco League**

**September, 2006 -**

**University of Inner Mongolia  
(China)  
December 6&7, 2006**

**Mr. Shi-Ming Guo and the  
students**



**Dalian University of Technology  
(China)  
December 8&9, 2006**



**Professor**

# The 3<sup>rd</sup> National Meeting Seminar

**March 11, 2007**



**Mr. Shi-Ming Guo,  
Lecturer at Inner Mongolia University**

**"Toward Sustainable Development:  
Environmental Problems and Urban  
Development in Inner Mongolia"**



**Tottori**



# The 3rd National Meeting

March 10, 2007

## Field Trip



Explanation of the Facility by Dr. Tahei Yamamoto, Tottori University



Tour of Arid Land Research Center, Tottori University



**Tottori**

# The 3rd National Meeting

March 10, 2007

## Social Hour



Dr. Toyohiko Suzuki,  
Emeritus Professor, Tottori University  
Dr. Ryoji Waka,  
Head of the Center for International Affairs,  
Tottori University

**Tottori**