

2<sup>nd</sup> Circular

## Urban Biodiversity & Design

# URBIO 2010

Implementing the Convention on Biological Diversity in Towns and Cities  
International Conference Nagoya, Japan  
18 (Tue) – 22 (Sat) May, 2010

### *Urban Biodiversity in the Ecological Network*



We would like to warmly invite you to Nagoya City of central Japan for the 2<sup>nd</sup> International Conference of Urban Biodiversity & Design (URBIO2010). URBIO is an open worldwide scientific network for education and research with the aim to promote urban biodiversity through a continuing dialogue with the CBD, Convention on Biological Diversity, initiative on “Cities and Biodiversity”. In order to implement the CBD in urban areas, the URBIO2010 will be held before CBD COP10, which will also be held in Nagoya in October 2010.

The main theme of URBIO2010 is “*Urban Biodiversity in the Ecological Network*”, which consists of the following two subthemes.

#### *I. Ecosystem network and quality of habitats in and around the urban area*

The urban ecosystem is unique and its main feature is that it is an open system characterized by great fluxes of information, material and energy with the surrounding ecosystems. Biodiversity in urban areas is determined by turnover of species through immigration and extinction, and the quality of their habitats is not only affected by ecological conditions of the habitat site (soil, nutrition, water budget, vegetation structure, vegetation composition etc.), but also by functional and structural connectivity and their relationships.

#### *II. Networking the activities of urban people*

In order to improve and optimize urban biodiversity, participation of local people is essential. Leadership of people in the urban area related to activities concerned with biodiversity conservation is also necessary. Such a movement will be promoted by establishing networks of human resources. These networks should include the public as well as the private sector. For example, networks and activities which are encouraged and managed by local authorities, urban wildlife groups of NGOs, enterprises, housing associations and other groups. Contact with nature should be a part of everyday life for urban people. Incentives and activities are needed to raise awareness and to encourage practical activities in the public and private sectors in order to improve urban biodiversity.

Expected contributions to *subtheme I* are planning and design of an ecological network in an urban area, urban biodiversity in water network in the watershed, ecological functions of terrestrial-water ecotone in an urban area, urban expansion and biodiversity, urban biodiversity and climate change, road side trees, green roofs and green walls, etc. Those related to *subtheme II* are valuation and monitoring of biodiversity and ecological services in cities, conflicts between people and negative influences of urban biodiversity on their lives, environmental education in an urban area, urban people's participation in the activities for conservation and restoration, etc.

**Date:** 18 (Tue.) – 22 (Sat.) May, 2010

18, Tue	Afternoon	Registration, Reception at Meijo University Mei-Eki Satellite Office
19, Wed	Full day	Welcome Notes, Keynotes, Oral Presentations, Poster Presentations (Core Time) at WINC AICHI
20, Thu	Morning	Keynotes, Oral Presentations, Poster Presentations at WINC AICHI
	Afternoon	Mid-Conference Excursion in/around Nagoya City
21, Fri	Full day	Keynotes, Oral Presentations, Meeting for URBIO2010 Declaration, Poster Presentations (Special Poster Session* Core Time), General Meeting, Concluding Remarks at WINC AICHI
	Evening	Conference Dinner at Meitetsu Grand Hotel (Japanese Cuisine)
22, Sat	Full day	Joint events with Japanese Institute of Landscape Architecture at Meijo University ( <i>now being planned</i> )
23 (Sun) – 24(Mon)		Post-Conference Excursions Course 1: Kyoto Palace, Mt. Daimonji, Coppice and Burner's Hut for Charcoal in Tea Ceremony Course 2: Village of Thatched Roofs and the Natural Beech Forest in Northern Kyoto Course 3: National Biodiversity Center (Yamanashi), Two National Government Parks (Shinshu and Tokyo), Urban Forests (Tokyo) and Bay Area Park (Tokyo) Course 4: Chugoku Region: Two Created Wetlands, Re-vegetation Project Site of a Factory, Forest Management Site by CSR and Natural Beech Forest

\* Special Poster Session on May 21

This special session is mainly discussed in Japanese and partly in English.

# URBIO2010 Schedule



Venues	
May 18	Meijo Univ Mei-Eki Satellite Office
May 19 - May 21	WINC AICHI (Aichi Industry & Labor Center)
May 22	Meijo Univ Tenpaku Campus

May 18 (Tue)	13:00	Registration										17:00	19:00	Reception				
May 19 (Wed)	9:00	9:20	10:20	10:30	11:00	11:10	11:40	13:00	15:00	15:10	16:00	16:50						
Registration																		
Welcome Notes		Break	Introduction Keynote (Dr. Yukihiko Morimoto, URBIO2010 Co-Chair, Japan)	Break	Keynote Topic 1 (Dr. Maria Ignatieva, New Zealand)	Lunch	Parallel Sessions (Oral)	Break	Poster Session 1 (Core Time)	Poster Session 2 (Core Time)								
Mr. Tadayoshi Inoue (URBIO2010 Co-Chair) Mr. Masao Yamada (Deputy Mayor, City of Nagoya) Dr. Kunio Iwatsuki (Director of Museum of Nature and Human Activities, Japan) Dr. Ahmed Djoghla (Executive Secretary of the Convention on Biological Diversity, Canada, Video Message) Dr. Norbert Müller (URBIO Network, University of Applied Sciences Erfurt, Germany)																		
Posters																		
May 20 (Thu)	9:00	9:30	9:40	10:10	10:20	11:50	13:00	Mid-Conference Excursion										
Keynote Topic 2 (Dr. Charles H. Nilon, U.S.A.)		Break	Keynote Topic 3 (Dr. Kwi-Gon Kim, Korea)		Break	Parallel Sessions (Oral)		Lunch										
Posters																		
May 21 (Fri)	9:00	9:30	9:40	10:10	10:20	11:50	13:00	13:30	13:40	14:20	15:50	16:00	16:40	18:00	20:00			
Keynote Topic 4 (Mr. Peter Werner, Germany)		Break	Keynote Topic 5 (Dr. Hadi Susilo Arifin, Indonesia)		Break	Parallel Sessions (Oral)		Lunch (Meeting for URBIO2010 Declaration)	Keynote Topic 6 (Dr. Thomas Elmqvist, Sweden)		Break	Special Poster Session (Core Time) mainly discussed in Japanese and partly in English		Parallel Sessions (Oral)		Break	General Meeting / Concluding Remarks	
Posters														Conference Dinner				
May 22 (Sat)	Joint Events with Japanese Institute of Landscape Architecture (now being planned)																	
May 23 (Sun)	Departure for Post-Conference Excursion																	



## Welcome Notes:

- Mr. Tadayoshi Inoue (URBIO2010 Co-Chair)  
Mr. Masao Yamada (Deputy Mayor, City of Nagoya)  
Dr. Kunio Iwatsuki (Director of Museum of Nature and Human Activities, Japan)  
Dr. Ahmed Djoghlaif (Executive Secretary of the Convention on Biological Diversity, Canada, Video Message)  
Dr. Norbert Müller (URBIO Network, University of Applied Sciences Erfurt, Germany)

## Keynotes:

- 1) Introduction Keynote (May 19)  
Dr. Yukihiro Morimoto (Japan, URBIO2010 Co-Chair)  
Biodiversity and Ecosystem Services in Urban Areas for Smart Adaptation to the Climate Change – “Do You Kyoto?”
- 2) Keynote Topic 1 (May 19)  
Dr. Maria Ignatieva (New Zealand)  
Planning and Design of Ecological Network in Urban Areas
- 3) Keynote Topic 2 (May 20)  
Dr. Charles H. Nilon (U.S.A.)  
Management, Conservation, and Urban Biodiversity
- 4) Keynote Topic 3 (May 20)  
Dr. Kwi-Gon Kim (Korea)  
Restoration of Wetland Ecosystem for Enhancing Urban Biodiversity
- 5) Keynote Topic 4 (May 21)  
Mr. Peter Werner (Germany)  
The Ecology of Urban Areas and Their Function for Species Diversity
- 6) Keynote Topic 5 (May 21)  
Dr. Hadi Susilo Arifin (Indonesia)  
Landscape Ecology and Urban Biodiversity in Tropical Country
- 7) Keynote Topic 6 (May 21)  
Dr. Thomas Elmqvist (Sweden)  
Natural Capital and Indicators of Ecosystem Services and Biodiversity in Urban Landscapes

### Proposed Parallel Sessions (Oral):

These sessions were proposed to and approved by the Organizing Committee of URBIO2010 as of November 7, 2009. We are also calling for general presentations (oral or poster) which are not necessarily fit in these sessions.

Organizers	Theme
Breuste JH and Ignatieva M	Planning and Design of an Ecological Network in an Urban Area
Nilon C and Mörtberg U	Comparative Studies of Cities: Links to Urban Biodiversity and Urban Design
Lin Y-F and Kuo M	Urban River, its Ecological Functions and Integrated River Basin Management
Asaeda T, Nishi K and Sekine H	Ecological Functions of Terrestrial-Aquatic Ecotones in the Urban Area
Iwasaki Y and Imanishi J	Urban Greening for Human Health
Itagaki N, Ohashi Y, Hiraga T, Mukoyama M and Yairo H	What Should the Landscape Architects Be in Pursuing the Symbiotic Relationship Between People and Nature?
Tonosaki K, Asano K and Kobayashi T	Valuation and Monitoring of Biodiversity and Ecosystem Services in Cities
Komatsu N	Corporate Responsibility for Urban Biodiversity & Design (tentative)
Hayashi M	Citizen Participation and Biodiversity (tentative)
Nakagoshi N and Arifin H-S	Designing Low Carbon Societies in Asia
Kobayashi T and Kim S-H	Global Warming and Urban Biodiversity: Its Status and Strategy
Ito K, Fjortoft I and Kamada M	Landscape Design and Ecological Education
Shibata S	Satoyama Management and Biodiversity
Yumoto T and Fukamachi K	Contemporary SATOYAMA: to share urban and rural experiences and knowledge
Kobayashi T and Morimoto Y	Restoration Ecology Network in Asia

**Venue:** WINC AICHI (Aichi Industry & Labor Center) and Meijo University  
at Nagoya City, Aichi Prefecture, Japan (<http://www.city.nagoya.jp/global/en/>)

WINC AICHI (Aichi Industry & Labor Center)

<http://www.winc-aichi.jp/>

Meijo University

<http://www.meijo-u.ac.jp/english/index.html>

Meijo University Mei-Eki Satellite Office

<http://www.meijo-u.ac.jp/campus/shisetsu/sate.html>

Meitetsu Grand Hotel

<http://www.meitetsu-gh.co.jp/e/>

**Official Language:** English

**Registration, Presentation Application and Payment:**

<b>Fees (Jpn Yen):</b>	Early Bird Discount until 31 December, 2009	Late Payment after 1 January, 2010
Registration:		
General	¥ 20,000	¥ 25,000
Student	¥ 10,000	¥ 15,000
Mid-Conference Excursion (The fee changed from the 1st Circular):		
	¥ 3,000	¥ 3,000
Conference Dinner:	¥ 8,000	¥ 8,000
Post-Conference Excursion (two-day and one-night trip, maximum 25 persons, minimum 20 persons):		
Course 1 (Kyoto, Osaka)		¥ 35,000
Course 2 (Kyoto)		¥ 35,000
Course 3 (Shinshu, Yamanashi and Tokyo)		¥ 37,000
Course 4 (Chugoku Region)		¥ 28,000
# The detailed information on each course will be provided on the website.		

Please make registration and presentation application via online from the URBIO2010 website:

<http://www.jilac.jp/URBIO2010/>

For the mid- or post-conference excursions, you can select courses from the first to the third choice (first-come and first-served basis). If the number of participants to a course does not reach to minimum passenger count, then the course will be canceled. Please enter number of accompanying persons for the conference dinner and mid- and post-conference excursions if it is applicable.

The payment method is restricted to payment by an international credit card or through a bank transfer. Please follow the instruction of the online registration system. Please pay bank transfer fee and any other handling fees by yourself. If you want to take early bird discount and pay through a bank transfer, please make sure that the fee is transferred until 28 December, 2009.

The registration fee is not refundable under any circumstances. However, the fees for the conference excursions and the conference dinner are refundable until 30 March, 2010 (please pay for handling fees).

The receipt of payments for registration, the conference dinner and the mid- and post-conference excursions will be provided at the conference reception desk.

**Important Days:**

<u>31 December, 2009</u>	<u>Deadline for presentation application</u>
31 December, 2009	Deadline for early bird fee payment
28 February, 2010	Deadline for abstract
31 March, 2010	Deadline for application to the conference dinner and the mid- and post-conference excursions



## Submission of Abstract:

For oral and poster presentations, please prepare an English abstract in the pre-defined format and send it to Dr. Junichi Imanishi (Academic Affairs Division) by email attachment until February 28, 2010 (No late submission is accepted). When you send the abstract please write the email subject as "URBIO2010\_first author's name".

You can download the abstract format (Windows MS-Word file) from the website:

<http://www.jilac.jp/URBIO2010/doku.php?id=download> (English)

<http://www.jilac.jp/URBIO2010/ja/doku.php?id=download> (Japanese \*)

\* For the Special Poster Session, you can select English or Japanese abstract format. For the other presentations, English abstract must be prepared.

Send to: [imanishi@kais.kyoto-u.ac.jp](mailto:imanishi@kais.kyoto-u.ac.jp) (Dr. Junichi Imanishi)

The submitted abstract will be judged by the academic affairs division of the organizing committee. The result will be notified to the corresponding author by March 31, 2010.

## Presentations:

### Oral Presentations

Each oral presentation will be a total of 15 minutes; a 12-minute presentation and a 3-minute discussion.

Each session room is equipped with a LCD projector and a PC with Windows XP or later Windows OS versions. Microsoft PowerPoint 2007 and Adobe Reader are installed on the PC. Your data file should be compatible to Microsoft PowerPoint 2007 on Windows OS. The file prepared in Macintosh or older versions of software might not work properly. We recommend you to confirm if your file works in the suggested hardware/software condition.

Please save your data file in CD or USB memory and bring it to the venue.

### Poster presentations

The poster should be on a 90 (W) × 210 (L) cm board. The authors are requested to stay by their posters during the core time, which will be noticed on the website later.

### Poster presentations (Special Poster Session mainly discussed in Japanese)

The poster should be on a 90 (W) × 210 (L) cm board. The authors are requested to stay by their posters during the core time.

English title and corresponding author's name and affiliation in English must be written in or beside the poster. Although the Special Poster Session is mainly discussed in Japanese, please consider to make the poster understood by participants from overseas, for example, by providing English for keywords in your poster.

## Accommodation:

The URBIO2010 website will provide accommodation information including the Meitetsu Grand Hotel and the Meitetsu New Grand Hotel where special discount price for URBIO2010 participants are set.

### Any question on URBIO2010, ask to:

Mahito KAMADA (Tokushima Univ.)

[kamada@ce.tokushima-u.ac.jp](mailto:kamada@ce.tokushima-u.ac.jp)

Hiroshi HASHIMOTO (Meijo Univ.)

[hihashi@ccmfs.meijo-u.ac.jp](mailto:hihashi@ccmfs.meijo-u.ac.jp)

Website of URBIO2010

<http://www.jilac.jp/URBIO2010/>

# Organization

## Advisory Board

### Executive Advisors

Ahmed Djoghlaif (Executive Secretary of the Convention on Biological Diversity, CANADA)

Kunio Iwatsuki (Director of Museum of Nature and Human Activities, Hyogo, JAPAN)

### Advisors

Thomas Elmqvist (Stockholm Resilience Centre, Stockholm University, SWEDEN)

Mariko Handa (Organization for Landscape and Urban Green Technology Development, JAPAN)

Oliver Hillel (Secretariat for the Convention on Biological Diversity, CANADA)

Sei-ichi Kawada (Director of General Affairs and Investigation Group, Aichi-Nagoya COP10 CBD Promotion Committee, JAPAN)

Kwi-gon Kim (Seoul National University / President of the International Consortium for Landscape and Ecological Engineering, KOREA)

Hajime Koshimizu (Meiji University / Former President of the International Consortium for Landscape and Ecological Engineering, JAPAN)

Norbert Müller (University of Applied Sciences Erfurt, GERMANY)

Yoshiaki Nagino (Director of Green Spaces Environment Office, Parks, Green Spaces and Landscape Division, City and Regional Development Bureau, Ministry of Land, Infrastructure, Transport and Tourism, JAPAN)

Koji Nakamura (Kanazawa University, JAPAN / Co-chair of Nippon Science Assessment for Sub-global Assessment of Satoyama and Satoumi in Japan, JAPAN)

Toshitaka Takagi (Director of City Summit Group, Aichi-Nagoya COP10 CBD Promotion Committee, JAPAN)

Tsunao Watanabe (Deputy Director-General for Nature Conservation Bureau, Ministry of the Environment, JAPAN)

Peter Werner (Institute for Housing and Environment -Research institution of the State of Hesse and the City of Darmstadt, GERMANY)

## Organizing Committee

**Chairpersons (Co-Chair):** Yukihiro Morimoto (Kyoto University)

Tadayoshi Inoue (Soken Inc.)

**Deputy Chairpersons:** Shiro Wakui (Toin University of Yokohama)

Keitaro Hara (Tokyo University of Information Sciences)

**Head of the secretariat:** Mahito Kamada (Tokushima University)

**General affairs division:** Hiroshi Hashimoto (Meijo Univ.)



Nobuo Fujiwara (Gifu International Academy of Horticulture), Akihiro Haruta (Institute of Professional Engineers, Japan), Kentaro Iijima (Toin Univ. of Yokohama), Konomi Ikebe (NLI Research Institute), Ayumi Imanishi (Kyoto Univ.), Keitaro Ito (Kyushu Institute of Technology), Yoichi Kawaguchi (Tokushima Univ.), Tatsuaki Kobayashi (Chiba Univ.), Ryo Kohsaka (Nagoya City Univ.), Tamao Kojima (Sun Act Co.), Atsuo Morimura (Univ. of Human Environments), Nobukazu Nakagoshi (Hiroshima Univ.), Tetsuro Tsujimoto (Nagoya Univ.)

**Academic affairs division:** Junichi Imanishi (Kyoto Univ.)

Takashi Asaeda (Saitama Univ.), Kohta Asano (Kyoto Univ.), Ken-ichi Cho (Ai-Shokubutsu Landscape Planning Office Inc.), Naoko Fujita (Forestry and Forest Products Research Institute), Katsue Fukamachi (Kyoto Univ.), Akihiro Haruta (Institute of Professional Engineers, Japan), Hiroshi Hashimoto (Meijo Univ.), Mayumi Hayashi (Univ. of Hyogo), Yoshiyuki Hioki (Tottori Univ.), Ayumi Imanishi (Kyoto Univ.), Keitaro Ito (Kyushu Institute of Technology), Mahito Kamada (Tokushima Univ.), Yoichi Kawaguchi (Tokushima Univ.), Tatsuaki Kobayashi (Chiba Univ.), Shigeharu Kogushi (Greenfront Research Laboratory Inc.), Tetsuya Kondo (Hokkaido Univ.), Noboru Kuramoto (Meiji Univ.), Yoshihiro Natuhara (Kyoto Univ.), Takashi Oyabu (Univ. of Hyogo), Kochi Tonosaki (Organization for Landscape and Urban Greenery Technology Development), Hiromasa Yairo (GLAC Inc.)

**Auditors:** Shozo Shibata (Kyoto Univ.)

Ichiro Henmi (Regional Environmental Planning Inc.)

## Organizing Societies & Associations

Japan Association for Landscape Ecology  
 Japanese Institute of Landscape Architecture  
 The Japanese Society of Revegetation Technology  
 Organization for Landscape and Urban Greenery Technology Development  
 The Institution of Professional Engineers, Japan  
 Natural Environment Coexistence Technology Association

## Supporting Societies & Associations

International Consortium for Landscape and Ecological Engineering (ICLEE)  
 Japan International Federation of Landscape Architects  
 Nature Restoration and Conservation Society, Japan  
 Parks and Recreation Foundation, Japan  
 Urban Green Space Development Foundation, Japan  
 Parks & Open Space Association of Japan  
 Planning Consultants Association of Japan  
 Consultants of Landscape Architecture in Japan  
 Japan Landscape Contractors Association  
 Ocean Exposition Commemorative Park Management Foundation  
 Nagoya Urban Institute

## Expected contribution to URBIO2010

### *Main theme: Urban Biodiversity in the Ecological Network*

#### *Subtheme I. Ecosystem network and quality of habitats in and around the urban area*

1. Planning and design of an ecological network in an urban area
  - Concepts and methods for network planning and design
  - Problems and solutions for practice
  - Actual plans in cities of the world
2. Urban biodiversity in water network in the watershed
  - Natural water-flow network; streams and rivers
  - Artificial water-flow network; irrigation ponds and channels, and drainage channels
  - Water-flow network as a corridor of organisms and materials
  - Water quality and biodiversity
3. Ecological functions of terrestrial-water ecotone in an urban area
  - Biodiversity at riverside, dune, estuary and bay in/beside an urban area
  - Water purification
  - Civil engineering works for disaster prevention and biodiversity
4. Urban expansion and biodiversity
  - Forests and croplands enclosed/remained in an expanded urban area
  - Artificial forest as restoration activities
  - Re-networking with the forests surrounding urban area
  - Ecology-based planning and design for new town and industrial areas
  - Restoration at exploited and reclaimed areas
5. Urban biodiversity and climate change
  - Urban climate as the harbinger of global change
  - Design of urban landscape for climate mitigation
  - Adaptation strategy to climate change
  - Carbon project, market and biodiversity
6. Road side trees, green roof and green wall
  - Ecological functions of urban landscape
  - Vegetation patches as step stones for wild creatures
  - Green way planning in an urban area
  - Sustainable design of cities and buildings

***Subtheme II. Networking the activities of urban people***

7. Valuation and monitoring of biodiversity and ecological services in cities
  - Measurements of status and trends in urban biodiversity
  - Assessment of ecological services and human well-being – Change and response in an urban area
  - Monitoring of biodiversity at urban levels
  - Index on Cities' Biodiversity
  - Measurements and mapping of status and trends in urban biodiversity
  - Economic valuation of ecosystem services provided by biodiversity to quality of urban life
8. Conflicts between people and urban biodiversity
  - Alien species in an urban area and measures
  - Pests in an urban area and measures
  - Urban culture for wild partners
9. Environmental education in an urban area
  - Quasi-nature for urban people
  - Nature-friendly river
  - Planning and design of biotopes in park and school, and their usages
  - Educational pathways and nature experience areas for urban ecology and biodiversity
  - Arts for urban biodiversity
10. Urban people participation in the activities for conservation and restoration
  - Incentives to improve urban biodiversity
  - Biodiversity and business
  - Role and responsibility of professionals, engineer and landscape architect
  - Collaboration among different sectors
  - Workshop as a device of public involvement
  - Responsibility and leadership of urban people to surrounding ecosystems