

**International Competition**  
**on Sustainable Urban Design (Designated Participants)**

**Guidelines (final draft)**

Table of contents

1. Scope of the international competition
2. Subject matter
3. Proposal content
4. Background to the competition
5. Organizer
6. Secretariat
7. Participants
8. Competition procedures
9. Pre-event meeting, symposium, and exhibition

## **1. Scope of the international competition**

The International Gas Union (IGU), a gas industry organization of global scale, will organize an international competition of innovative proposals on urban design as part of a special feature of its 22<sup>nd</sup> World Gas Conference to be held in Tokyo in 2003 (WGC2003). The theme of the competition—'Urban Design for a Sustainable Future'— is in line with the general theme of WGC2003, to be convened under the slogan 'Catalysing an Eco-Responsible Future.'

## **2. Subject matter**

The "subject city" should be an existing one with a population of over 100,000. Mega-cities, metropolis/metropolitan areas, and urban areas in rural locations are other possible candidates.

## **3. Proposal content**

The following three items should be included in all proposals.

### (1) Proposals for city design 100 years in the future

Applicants should depict their conceptions of a sustainable future city one hundred years from the present in consideration of the following question:

-In cities where population and economic activities are heavily concentrated, how would future communities deal with the conflicts presented by environmental problems, particularly global warming?

### (2) Proposals concerning the city's future evolutionary process

Proposals should not only include a depiction of an ideal city one hundred years from now, but also the entire process of the city's evolution towards its ideal, and should take into account regional characteristics in relation to such changes. In addition to ideas proposed for physical urban design, the proposed process should also present ideas on how to enhance citizens' environmental and community awareness, and on how such awareness could potentially affect urban concentration, energy consumption, and the environment.

### (3) Proposals on energy systems based on life-cycle analysis

Proposals should include examination of means of reducing environmental impact, giving consideration to the entire range of energy systems, i.e. from production and consumption to disposal processes, from the point of view of LCA. Proposals should also preferably present

ideas on energy-efficient and economical systems with a view to establishing a 'total energy system' encompassing the entire energy chain of supply and consumption.

#### **4. Background to the competition**

The International Urban Design Competition on Sustainable Urban Development has been planned in an attempt to search for innovative ideas for creating innovative urban communities in the new century. It is hoped that by bringing together sources of wisdom and inter-disciplinary expertise from around the world, and moving beyond the limitations of conventional ideas and traditional frameworks, the competition will offer an opportunity for the presentation of new ideas and the clarification of processes for the realization of a new kind of city for the 21<sup>st</sup> century.

The cities of the world have continued to harbor significant dangers that are now posing serious problems on a global scale, issues that international initiatives such as UN Habitat are working to address. Combined with the conventional urban blights of congestion, pollution, decrepit inner cities, degradation of infrastructure, crime, poverty, etc., the problems of the world's modern metropolises are now additionally being viewed as causes of widespread environmental degradation and depletion of resources. Demographic studies further indicate that more than half of the world's population will be living in urban communities in this century; such an influx of population to urban areas and concentration of economic activity could further exacerbate the gap between urban centers and rural communities.

Since the adoption of Agenda 21 and the United Nations Framework Convention on Climate Change in 1992, and of the Kyoto Protocol in 1997, environment challenges facing mankind have been seriously noted around the world. These include global warming caused by increased energy consumption, the population explosion occurring in developing countries, food crises and waste disposal, among others. This awareness, however, has not yet been practically linked to urban design, i.e. how it may achieve sustainable development with reduced energy consumption and how it should contribute to improving the environment.

In an era where urban crises are a greater threat to the world at large, thought

should be given to creating new urban communities that function to address both local and global issues . We are now charged with the task of finding means to harmonize the urban with the global environment and to achieve a sustainable development pattern for cities to ensure their ability to self-address their problems in the new century.

This competition has been planned with a view to gathering new perspectives and solutions to the entire range of local and global issues with which we are faced—particularly in the context of realizing new urban communities in the new century—and giving due consideration to the diversity of the countries of the world, including cultural and geographical factors, etc

## **5. Organizer**

National Organizing Committee of the 22nd World Gas Conference

Address: Japan Gas Association Building 3F, 1-15-12 Toranomon,  
Minato-ku, Tokyo 105-0001, Japan

Telephone: +81-3-3502-0620

Fax: +81-3-3502-0621

URL: <http://www.wgc2003.com>

## **6. Secretariat**

The Institute of Behavioral Sciences

Address: 2-9 Honmura-cho, Ichigaya, Shinjuku -ku, Tokyo 162-0845,  
Japan

Telephone: +81-3-3268-9974

Fax: +81-3-3268-9919

E-mail: [wgc2003@ibs.or.jp](mailto:wgc2003@ibs.or.jp)

## **7. Participants**

The participants shall consist of the teams designated by the Organizer to represent the following seven regions :

<East Asia>

- Leader: Li Jingsheng  
(Tongjing University, People's Republic of China)

<South Asia >

- Leader: Rahul Mehrotra

(The Urban Design Institute, India)

<Western Europe>

- Leader: (to be confirmed)  
(Federal Republic of Germany)

<Eastern Europe>

- Leader: Mikhail Khazanov  
(Architect, Russian Federation)

<South America>

- Leader: Juan José Pi de la Serra  
(Lawyer, Argentine Republic)

<North America (1)>

- Leader: Sebastian Moffatt  
(Sheltair Group Inc., Canada)

<North America (2)>

- Leader: John F. Kelly  
(Gas Technology Institute, United States of America)

<Japan (1)>

- Leader: Motomu Uno  
(University of Chiba, Japan)

<Japan (2)>

- Leader: Shigeru Hioki  
(Shimizu Construction Co., Ltd., Japan)

## **8. Competition procedures**

### **(1) Organization**

The competition will be arranged into nine designated teams from eight countries of the world's seven regions.

### **(2) Entries**

Proposals should be made in accordance with the points as described in Section 3, 'Proposals content', as indicated below:

1) Items to be included in the application

- a) Each team shall submit an item for presentation at the Symposium (Item 1). Applicants are free to choose their own presentation format, including posters, video, computer graphics, etc. Please note, however, that format must be such that the presentation can be made at the competition site (indoors), and material must be reproducible.
- b) Regardless of the format, the following (Item 2) should be included with the presentation for use in information to be sent to all judges. It will also be included in materials on the conference proceedings and distributed as information on the conference.
  - An outline of the proposal and explanation of its concepts, viewpoint and background incorporating text, illustrations, diagrams and photographs of between 20 and 50 pages (A4 (297×210mm) size paper (length-wise)). The document should be double-spaced with 12-point font and 20-mm margins on all sides. (Folded A3 pages (297×420mm, double the size of A4) are counted as 2 pages.)

2) Membership list

- a) Each team shall submit a list of its members (Item 3). This list is also required for preparation of proceedings by the organization.

(3) Submission

- Period: 1 ~ 15 December, 2002
- Office to which entries are directed: Secretariat
- Method:

Each Item shall be forwarded by international mail or similar means to the Secretariat no later than the last day of the submission period. Items 2 and 3 should be sent in electronic data form on floppy disk (FD), magneto-optic disk (MO) or CD-recordable (CD-R), along with the documents or photocopies of the entry.

Each team shall bear the shipping costs involved in submission of items 1, 2 and 3. Once submitted, items shall not be returned. The Secretariat will discuss the details of the submission procedure with each of the teams at a later date.

(4) Language

- English (submitted items and presentation)

(5) Presentation obligation

- Each team agrees to undertake the obligation of presenting its entry at the Symposium held as one of the special programs of WGC2003 (to be staged in Tokyo in June 2003).

(6) Fund

- A sum of US\$75,000 shall be granted each team to cover the cost of preparing the entry.

(7) Judgment and awards

- The first and second prize winners (to receive 1,500,000JY and 500,000JY, respectively) will be selected by the International Competition Judges' Panel during the term of WGC2003.
- The results of the competition shall be announced at the Symposium held as part of the special programs of WGC 2003, and the prizes shall then be presented to the winning teams.

(8) Judges' Panel

The Judges' Panel is comprised of the following individuals:

- Chairperson

Shigeru Ito (Professor Emeritus, University of Tokyo, Japan)

- Judges

Ismail Serageldin

(Special Advisor, The World Bank, Arab Republic of Egypt)

Ernst U. von Weizsäcker

(Member of the German Parliament, Federal Republic of Germany)

Casio Taniguchi

(Mayer, Curitiba-city, Federative Republic of Brazil)

Stephen Graham

(Professor, Newcastle University, the United Kingdom)

Haikyung Shin

(Special Correspondent, Joong-Ang Ilbo, Republic of Korea)

Gary L. Neale

(Chairman, American Gas Association, United States of America)

(9) Publication of symposium record

- A record of the entries and of the proceedings on the day of the

Symposium shall be published in the form of a document and on the Internet.

(10) Copyright

- The copyright of the material shall belong to the respective teams, provided, however, that NOC and the International Gas Union may publish, release publicly or otherwise use any or all of the material or the copyright of the material free of charge. The respective teams may not publicly release any of the material prior to WGC2003.

(11) Questions

- Questions concerning the Guidelines shall be entered on the prescribed form and sent to the Secretariat within one month of receipt by each team of the Guidelines. Answers to applicants' questions will be sent to applicants in the International Competition within two months after the receipt by the Secretariat of the questions from the last team to have received the Guidelines.

**9. Pre-event meeting, symposium, and exhibition**

(1) Pre-event meeting

As part of pre-event (WGC2003) preparation, pre-event meeting 2002 will be staged for in-depth discussion and exchange of opinion on sustainable urban design between the teams participating in the competition and concerned parties. (The meeting is scheduled for May 2002 in Tokyo).

(2) Symposium

A Symposium on the theme of sustainable urban design shall be held during the WGC 2003 period. In addition to presentation of designs, the symposium will provide an opportunity for panelists and the entire participating audience to discuss and exchange ideas on environmentally friendly cities and the role of energy to be played in their development.

(3) Exhibition

An exhibition on urban development and technology related to the above theme shall be held during the 22nd World Gas Conference. Each team shall prepare items for this exhibition. The Organizer will discuss the details of the exhibition with each of the teams at a later date.

**<Appendix: Schedule>**

- \* October 2001: questions on the prescribed form received
- \* December 2001: replies to questions mailed
- \* May 2002: pre-event meeting in Tokyo
- \* 1~ 15 December 2002: International Competition entries received
- \* 1~ 5 June 2003: World Gas Conference in Tokyo