



World Winter Cities Association for Mayors
- Interim report -

Environmental Issues in Member Cities

January 20, 2008

Katuaq Culture Centre
Nuuk, Greenland

1 .Background of the Subcommittee

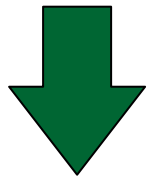


Discussion at the 12th World Winter Cities Conference for Mayors



Theme: Winter Environmental Concerns

Changchun Declaration



Determination of winter cities to endeavor to promote environment-friendly activities

Subcommittee on Winter Environmental Issues established

Objective: study of measures to counter threats to the environment in winter cities

2 .Activities of the Subcommittee



First Questionnaire Survey

June 2006; 16 cities responded

Theme : Collection of basic data and study of awareness of environmental issues in member cities

First Subcommittee Meeting

July 26, 2006; Nuuk, Greenland

- Agenda
1. Analysis of the 1st questionnaire survey results
 2. How to carry out subcommittee activities
 3. Presentation of experiences by member cities

2 .Activities of the Subcommittee



Second Questionnaire Survey

June 2007; Eight cities responded

Theme : Study of global warming countermeasures
in member cities

Second Subcommittee Meeting

July 26, 2007; Sapporo, Japan

- Agenda
1. Interim report to be presented at the 13th Conference
 2. Analysis of the 2nd questionnaire survey results
 3. Presentation of experiences by member cities

3 .Results of the survey on global warming issues

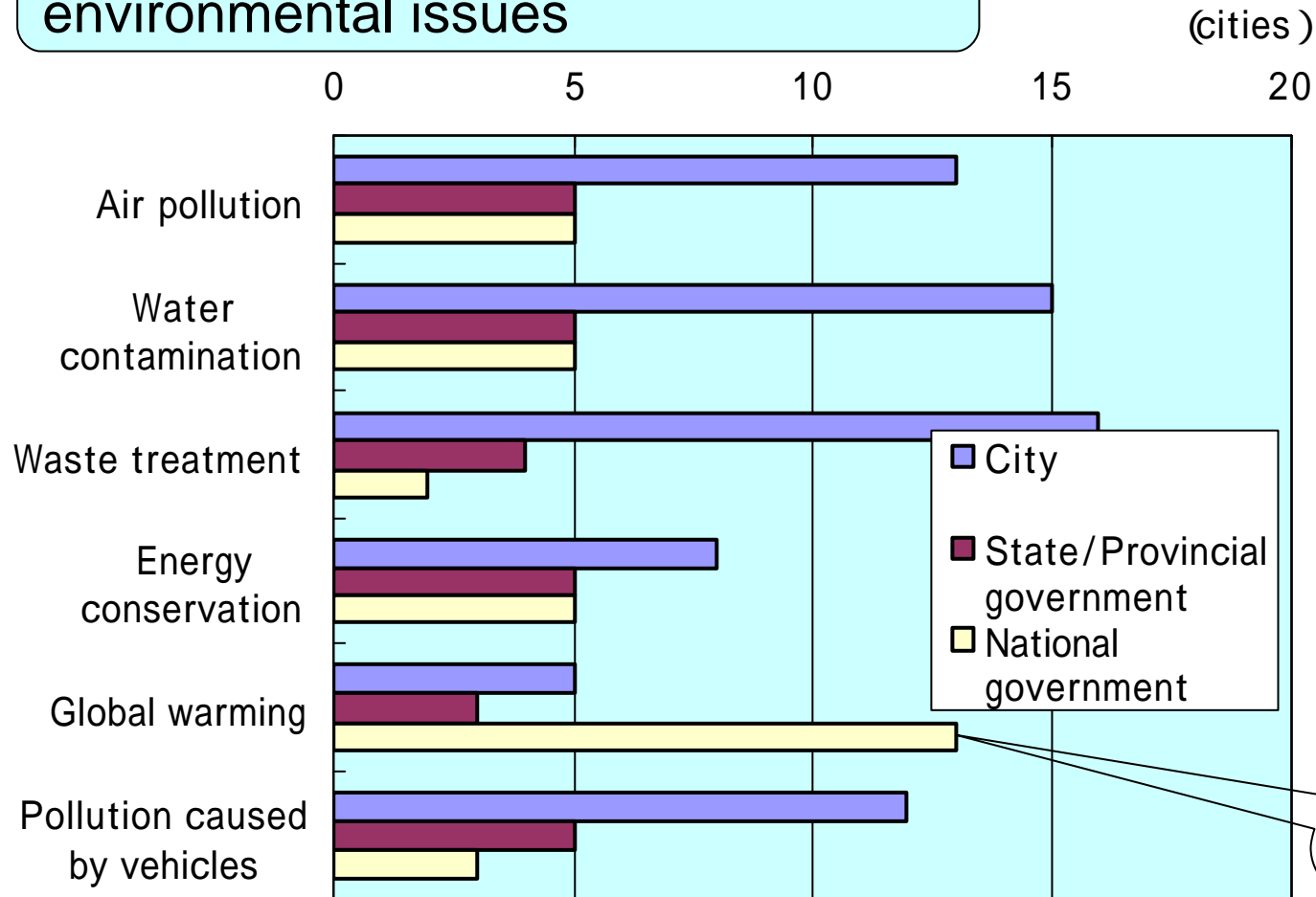


items		Serious issues	Most serious issues
Air pollution	Gas exhaust from factories and other facilities	13	4
	Gas exhaust from vehicles	14	5
Water and soil contamination	Treatment of water drained from daily living	15	8
	Water drained from factories and other facilities	12	3
	River water quality control	12	2
Waste treatment	Treatment of household waste	12	1
	Treatment of waste from businesses and factories	11	2
	Recycling of waste	13	5
	Prevention of the illegal disposal of waste	11	1
	Waste reduction	11	5
Energy conservation	Technological improvement for energy coservation	15	5
	Promotion of energy -saving lifestyles	13	3
Nature and greenery	Preservation of natural environment	16	5
	Tree planting in downtown area and at parks	13	3
Environmental education	Promotion of environmental aducation among citizens	13	5
	Education of people who will work for environmental protection locally	11	2
Global warming	Reduction of CO ₂ emissions	11	3
Vehicle-related pollution	Control of gas exhaust from vehicle	15	7

3 .Results of the survey on global warming issues



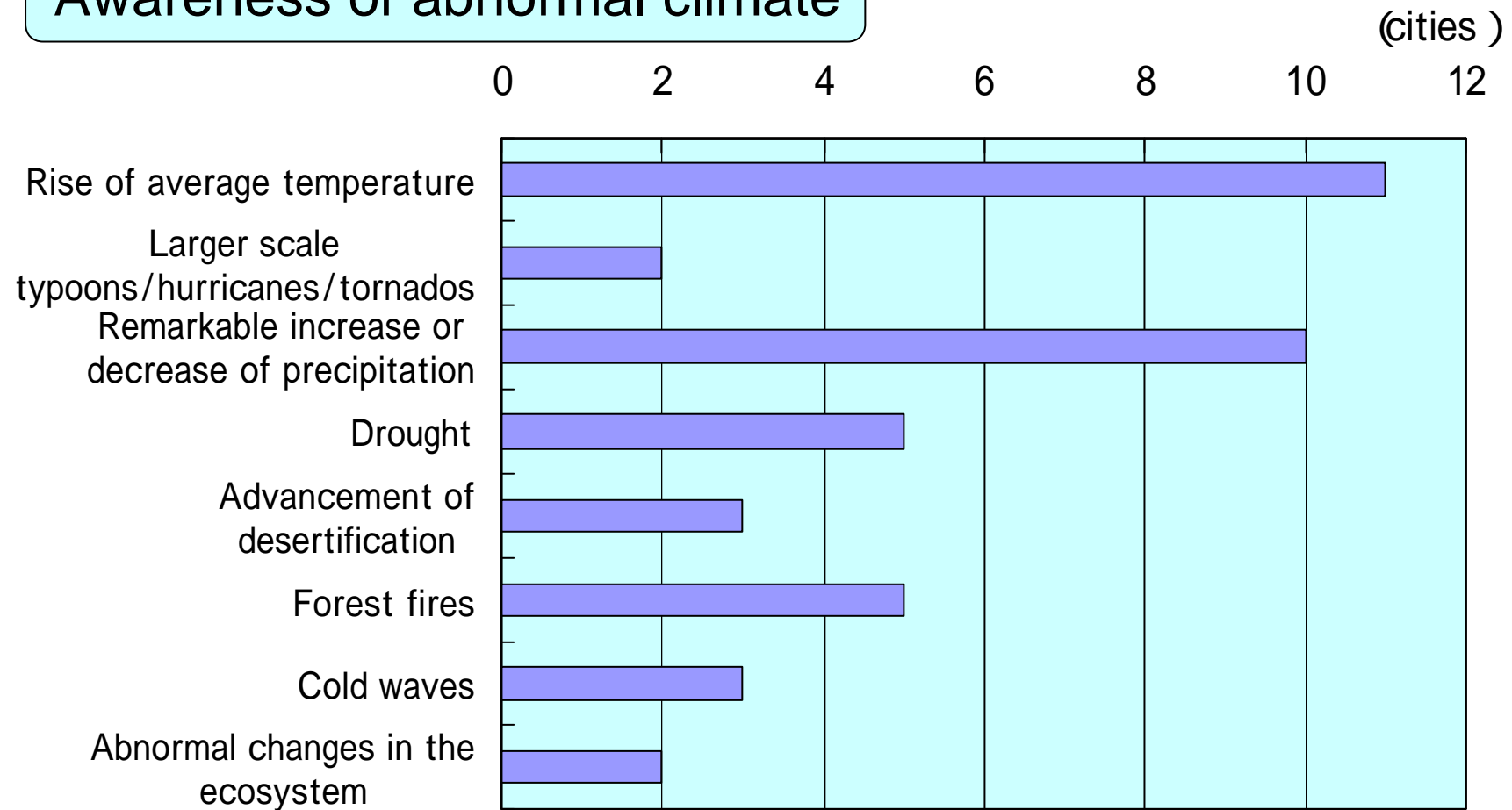
Administrative body responsible for environmental issues



3 .Results of the survey on global warming issues



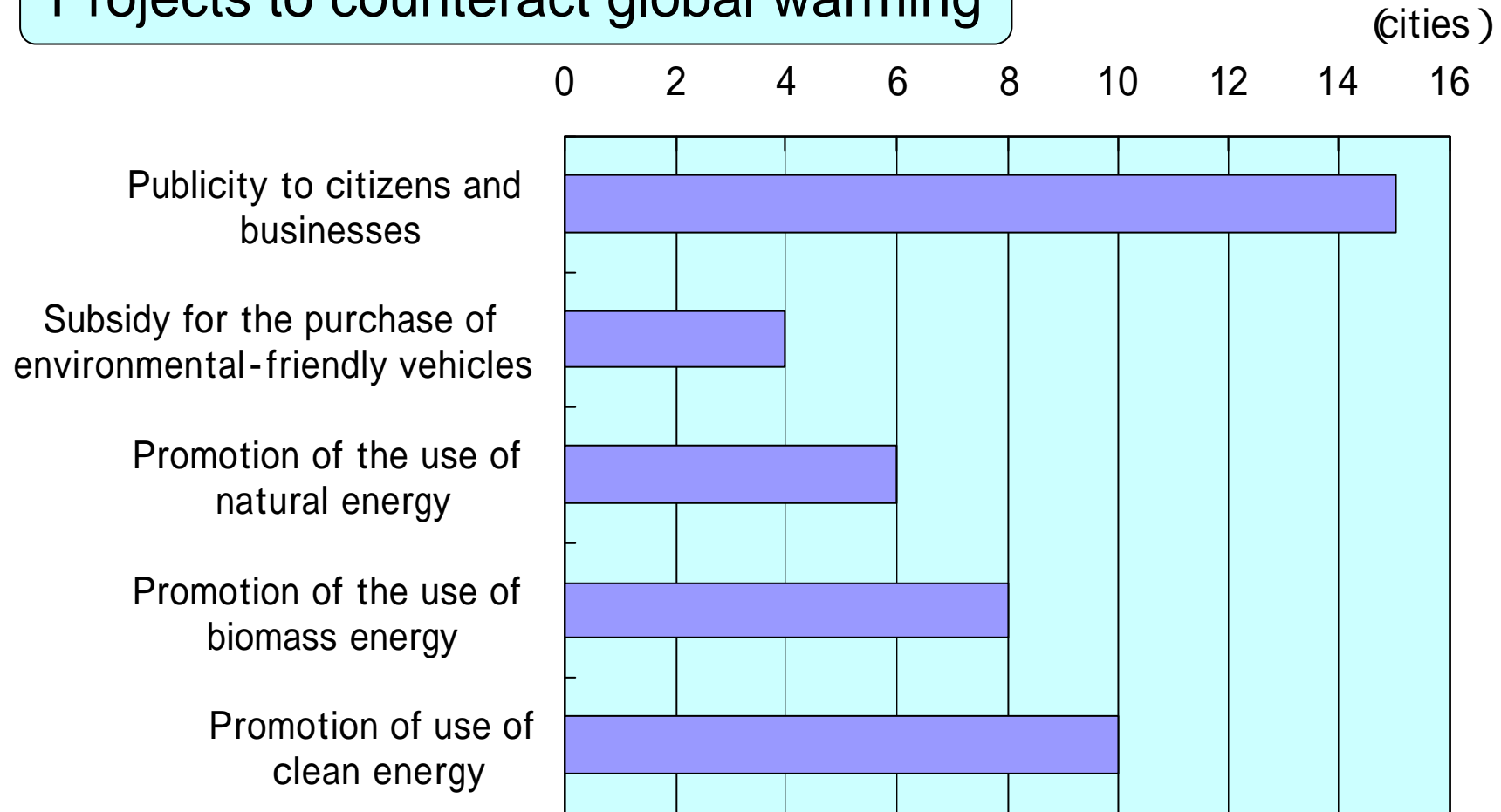
Awareness of abnormal climate



3 .Results of the survey on global warming issues



Projects to counteract global warming



3 .Results of the survey on global warming issues



Global warming countermeasures and numerical goal

- Six out of eight respondents to the 2nd questionnaire have global warming countermeasures.
- CO₂ reduction target is included in most of their plans and numerical goal setting is progressing.

3 .Results of the survey on global warming issues



Initiatives against global warming

- Promotion of development of sustainable or green buildings (Anchorage)
- Conventional traffic lights converted to LED to save energy (Prince George)
- Methane catching from waste deponies (Tromsø)

3 .Results of the survey on global warming issues



Initiatives against global warming

- Utilization of geothermal pump (Shenyang)
- Design of improved efficiency stove for heating (Ulaanbaatar)
- Introduction of vehicles with low pollution (Aomori)
- Installation of solar panels at elementary schools in the city (Sapporo)

3 .Results of the survey on global warming issues



Education of residents

- Created the City Hall Green Star program to bring municipal employees together to share and implement ideas. (Anchorage)
- Distributed pamphlets and visited schools to increase awareness of water conservation (Prince George)

3 .Results of the survey on global warming issues



Education of residents

- Carry out activities to educate its population in cooperation with volunteer actors and promote use of public transportation (Tromsø)
- Enroll private businesses into an awareness-raising education campaign and involve citizens in the campaign activities (Ulaanbaatar)

3 .Results of the survey on global warming issues



Summary of the questionnaire survey

Environmental issues such as air pollution, waste treatment, global warming counter-measures are common to all the member cities regardless of the size of the city or its regional characteristics.

3 .Results of the survey on global warming issues



Summary of the questionnaire survey

Member cities are concerned with abnormal climate, and most of the cities carry out education of environmental issues for their residents, which indicates that municipal governments are highly aware of seriousness of the global warming issues.

3 .Results of the survey on global warming issues



Summary of the questionnaire survey

Most of the cities that replied to a 2nd questionnaire have been conducting measures to curtail global warming, which indicates that the planning of the countermeasures by local governments has been progressing.

4 .Future activity plan of the Subcommittee



Information of environmental issues will be shared among member cities.

- By utilizing web site
- By exchanging opinions at the subcommittee meeting

Global warming measures unique to winter cities will be studied.

- Study of education of and encouragement to residents
- Other environmental issues besides global warming will also be included in the study.

Subcommittee on Winter Cities Environmental Issues

-Work schedule-

Awareness of environmental issues

Action toward environmental issues

July 2006

July 2007

January 2008

Summer 2008

Summer 2009

Winter 2010

First Subcommittee meeting (Nuuk)

Second Subcommittee meeting (Sapporo)

13th WWCAM (Nuuk, Greenland)
Third Subcommittee meeting

Fourth Subcommittee meeting (planned)

Fifth Subcommittee meeting (planned)

14th WWCAM (Prince George, Canada)
Sixth Subcommittee meeting (planned)
Final report to be submitted

【Agenda】
Management and operation of Subcommittee activities

Questionnaire survey (6 cities replied)

【Agenda】 Interim report to be submitted in Nuuk

Questionnaire survey (16 cities replied)

Subcommittee activity #1

- Survey of each city's countermeasures against environmental problems
- Collection of excellent measures of cities of the world

output

Subcommittee activity #3

- Joint campaign
e.g. Model project planning, calculation of reduced CO₂ in each city after active exercise of countermeasures
- Case studies from the survey

output

Subcommittee activity #2 : Information transmission and sharing, and exchange of opinions among member cities on the web site

