

## **PARLIAMENTARIANS FOR GLOBAL ACTION**

### **Parliamentary Workshop on Clean Air and Clean Water**

*In Cooperation with the South African Ministry of Health and  
the South African Ministry of Water Affairs and Forestry  
With the Support of the Government of Denmark*

**August 29-30, 2002**

**The World Summit on Sustainable Development, Johannesburg, South Africa**

#### **INTRODUCTION AND BACKGROUND**

Parliamentarians for Global Action (PGA) convened the Parliamentary Workshop on Clean Air and Clean Water, August 29 – 30, 2002, in Johannesburg, South Africa, as a parallel event to the World Summit on Sustainable Development (WSSD). The workshop was conducted in cooperation with the South African Ministry of Health and the South African Ministry of Water Affairs and Forestry, with the support of the government of Denmark.

The goals of the workshop were to provide Members of Parliament (MPs) with the legal and technological tools necessary to make concrete improvements in air and water quality on a national and regional level. Environmental and legal experts presented model law implementation strategies, highlighting mechanisms for enforcing and sustaining environmental laws. Scientific experts and MPs provided country-specific examples of how the adoption of sound legislation and clean technologies can effectively address issues of air and water pollution. Business leaders also presented technological innovations in the field of renewable energy, as well as discussed corporate responsibility and socially responsible investing.

Workshop participants drafted and arrived at consensus over a parliamentary declaration. The declaration reflects the great commitment and dedication among participating MPs towards taking concrete steps in drafting and enforcing effective legislation to reduce air and water pollution in their own countries. This unique forum empowered legislators to effectively address serious the environmental and health problems in their own countries, while realizing the goals of the WSSD. In facilitating cross-sector partnerships, the workshop provided a forum for legislators to launch national and regional implementation of the WSSD goals.

## **DAY ONE – AUGUST 29, 2002: CLEAN AIR**

### **OPENING CEREMONY**

#### **Hon. Theresa Ameley Tagoe, Deputy Minister of Works and Housing, MP, Ghana; Convenor, Sustainable Development and Population Program, PGA**

Hon. Tagoe welcomed participants to the workshop and noted that, “As Parliamentarians, we have a key role to play in ensuring that effective and progressive environmental policies are implemented on the national and regional level.” She explained that the PGA-sponsored forum would forge crucial and practical links to enable parliamentarians to take the crucial next steps to preserving the environment and human health. Tagoe explained that the workshop was meant to encourage initiatives between government, civil society and business groups to address sustainability goals through partnerships and “action-oriented coalitions.” She gave a brief overview of PGA’s history and urged her fellow MPs to “turn the talk of the WSSD into action.”

#### **Dr. Manto E. Tshabalala-Msimang, Minister of Health, South Africa**

Dr. Tshabalala-Msimang noted that economic prosperity and sustainable development depend on the ability to improve air and water quality. She discussed the health and environmental impacts of both air and water pollution and identified water as a political priority. Tshabalala-Msimang pointed to the need for integrated approaches to pollution control, since economic development, agriculture and health all depend on a clean environment. She closed by stressing the need to set public policy that improves people’s lives, conserves natural resources and safeguards a common future.

#### **Congressman Dennis Kucinich, U.S. House of Representatives – Ohio; Deputy Convenor, Sustainable Development and Population Program, PGA**

Congressman Kucinich stressed that the goals of the workshop and the WSSD are to transform social and political structures. He noted that legislators have an obligation to act locally to create energy systems and development that are in harmony with the environment. Kucinich stated, “Our cause is the transformation of the human condition - to achieve decent living conditions, clean air, clean water, adequate housing, health care and education. . . . Our challenge is to bring economic systems into harmony with humanity.” He affirmed support for the purpose of the United Nations and its’ encouragement of global reciprocity. Kucinich cautioned that the United States must affirm principles of sustainability and recognize and promote international cooperation and agreements on the environment including the Kyoto Treaty on Global Climate Change, The Biodiversity Treaty, The Forest Protection Treaty, The Nuclear Non Proliferation Treaty, The Comprehensive Test Ban Treaty, The Anti-Ballistic Missile Treaty, The Landmine Ban Treaty, The Biological Weapons Conventions, The Chemical Weapons Convention, and The International Criminal Court

### **PANEL I – THE COSTS OF AIR POLLUTION**

#### **Collaborating Partner: Natural Resource Defence Council**

#### **Dr. Rajendra Pachauri, Director General of the TATA Energy and Research Institute, Delhi, India; Chairman, World Bank Intergovernmental Panel on Climate Change**

Dr. Pachauri attributed air pollution to human activities in rural and urban areas, in both developing and developed countries. The challenges of combating air pollution nationally and regionally include: lack of financial resources, insufficient infrastructure and policy, lack of stringent implementation laws, lack of compliance with laws, misuse of economic instruments and lack of modern technology. Pachauri stated that in order to guarantee effective national level measures, governments must ensure: coordination among institutions, institutional capacity building, improved organizational efficiency and increased manpower. Future success depends on strengthening existing policies and implementing regional agreements and cooperation.

**Dr. Evelyn Mauss, Senior Science Consultant, Natural Resources Defence Council**

Dr. Mauss informed participants about how air pollution affects human physiology and stressed the need to institute pollution-control legislation. Mauss illustrated how pollutants incur bodily damage and noted children's greater vulnerability to these toxins. She also noted that reduced ozone pollution, a major cause of respiratory problems, could be accomplished by legislative and regulatory initiatives to reduce nitrogen oxide discharges. Mauss emphasized that eliminating lead in gasoline is the most effective method of reducing lead as an urban health problem. She noted that most countries in the Western hemisphere, as well as in Europe and some Asian countries, have gradually eliminated lead use in petrol. Of the United Nation's 188 nation-states, only 47 have totally eliminated lead from gasoline.

**Dr. Kobus Gaus, MP, Portfolio Committee on Health, South Africa**

Dr. Gaus summarized the air quality problems of Gauteng Province, the region in which Johannesburg is located. He cited the region as one of the world's most polluted areas as the result of mining, wood burning and car emissions. One of the largest challenges, stated Gaus, is poor indoor air quality, which even poses serious problems in rural areas. He proposed the development of proper housing and electrification as potential solutions.

**Dr. Amin Mobarak, MP, Chairman of Industry and Energy Committee, The Egyptian People's Assembly**

Dr. Mobarak informed legislators about the ways in which Cairo has been able to successfully combat air pollution by reducing lead and PM10 levels by 20-80% in various sites throughout the city. In recognition of the health problems caused by air pollution, the government has made improving air and water quality a major priority. The government has implemented the Clear Air Improvement Project (CAIP), a 5-year USAID funded project implemented in partnership with the Egyptian Environmental Affairs Agency (EEAA) and the Organization for Energy Planning (OEP).

**Mayor Jerry Brown, Mayor of Oakland, California; Former Governor of California**

Mayor Brown presented a case study from California, which has been a leader in the field of energy efficiency and renewable energy production. Brown said that overcoming the oil interests in the Group of 77 is imperative in order to increase the use of renewable energy sources in the developing world. Brown called upon legislators to push through a global call for renewable energy. "It would be a beautiful idea," he noted, "if richer countries would subsidize solar energy for poorer countries." He warned that science isn't lacking, just political will.

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## **PANEL II – LEGISLATING FOR CLEAN AIR**

### **Collaborating Partner: Natural Resource Defence Council**

#### **Professor Antonio Benjamin, Environmental Public Prosecutor and Director, Law for a Green Planet Institute, Sao Paulo, Brazil; Member, IUCN Commission on Environmental Law**

Professor Benjamin discussed the importance of monitoring the implementation of environmental laws. He noted that enforcement is just as important as legislation and that all stakeholders, including local and national government, citizens, NGOs and corporations, must be involved. Institutional challenges include: lack of political will, independence of monitoring bodies, specialization of monitoring, capacity building, technical resources and the strength of government and private sector relationships with NGOs.

#### **Mr. Richard Kassel, Senior Attorney, Natural Resources Defence Council**

Mr. Kassel outlined the approaches necessary to reducing air pollution. He noted that only two important steps are needed to make drastic improvements in global air quality – eliminating lead from the world’s gasoline supply (15% of the world uses leaded gasoline) and reducing sulphur levels in diesel fuels. Kassel pointed to studies showing that the elimination of sulphur from diesel fuels reduced particulate matter emissions by 90% and NOx emissions by 95%.

#### **Professor Koh Kheng Lian, Director, APCEL, Faculty of Law, National University of Singapore; Member, IUCN Commission on Environmental Law**

Professor Koh Kheng Lian detailed how Singapore has improved air quality within the span of a generation. She noted that political will and a “synergistic, preventive approach” to air pollution control is key to the country’s success. Contributing to this success is the implementation of “soft laws” including: control of environmental infrastructure, planning for decentralization to reduce vehicular pollution, import of toxic wastes, energy efficiency, clean technology, future initiatives for clean air, monitoring, and disaster-related emergency and contingency plans.

#### **Hon. Mercy Almona-Isei, MP, Chair, House Committee on the Environment, Nigeria**

Hon. Almona-Isei discussed the development of environmental consciousness and law in Nigeria and the global role of legislators. Almona-Isei urged that global action is necessary, as local initiatives are not capable of reducing trans-boundary problems such as Nigeria’s air pollution problems, which result from the oil industry. Governments need to display political will to solve such problems, while integrating local, national and international interests. Almona-Isei stressed that constant synergy between parliaments is imperative for the implementation of sufficient legislation.

#### **Diputado Arnold Ricalde de Jager, Presidente de la Comision de Medio Ambiente, Asamblea Legislativa del Distrito Federal, Ciudad de Mexico**

Diputado Ricalde presented an assessment of Mexico City’s air pollution problems. Following a health crisis in 1980, constitutional changes were implemented to ease coordination between federal and local entities. Taxes on gasoline were established and a trust was created to evaluate environmental reform every ten years. Additional measures included the removal of lead from gasoline and increased use of natural gas for public transportation. The city’s next priority is to reduce the levels of hydrocarbons that produce carbon dioxide. The Metropolitan

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Environmental Commission has also introduced 81 new measures, which include taxes on gasoline, retiring old cars, and increasing environmental monitoring standards.

### **PANEL III - IMPROVING AIR QUALITY THROUGH THE USE OF RENEWABLE ENERGY**

#### **Collaborating Partner: Business Council for Sustainable Energy**

##### **Mr. Michael Marvin, President, Business Council for Sustainable Energy**

Mr. Marvin gave an overview of legislators' roles in encouraging the use of renewable energy. He declared that the prognosis is good for an increased use of renewable energy sources, as technologies are improving and costs are decreasing. Marvin noted that state, local, and national governments are one of the largest purchasing powers in any country and that the ability of MPs to buy "green power" increases cost efficiencies and sends a strong economic, social and political message.

##### **Ms. Nancy Bacon, Senior Vice President, Energy Conversion Devices**

Ms. Bacon explained that solar power could provide energy security and ensure sustainable development. She noted that renewable energy technology could meet the growing demand for energy if cooperation between countries and the participation of states and public and private investment could be secured. Bacon stated that, "alleviating energy poverty is critical to alleviating poverty." She also noted that with competitive technology and sufficient investment, solar power can be cost competitive with conventional fuel in high volume production.

##### **Mr. David Citrin, Vice President, ORMAT International**

Mr. Citrin discussed the potential of geothermal power. Geothermal power is cost-effective, available for development in over 60 countries and a source of base-load power, which is ideal for developing power markets. Citrin explained that geothermal power is a mature technology, but developing it requires up-front investment for a lifetime supply. Therefore, structural mechanisms and public private partnerships are needed to enter the energy market and finance projects in developing countries.

##### **Congressman George Miller, U.S. House of Representatives - California**

Congressman Miller underscored the importance of fuel efficiency standards in California's energy policy and the importance of combining conservation with an investment in renewable energy technologies. Miller explained that the U.S. Congress has tried to improve mileage standards, although recent attempts "have been trounced by the oil and auto industry." The state's regulatory agency mandates emission reductions by 2008, requiring that a certain percentage of next year's market include cars with 0% emissions. The state assembly has also increased the percentage of energy that will be generated from renewable energy sources from 10-12% to 20%.

### **PANEL IV – INVESTING IN A "CLEAN" ECONOMY**

##### **Dr. Chung Woo-Taik, MP, Korea; President, Asia-Pacific Parliamentarians' Conference on Environment and Development (APPCED)**

Dr. Chung Woo-Taik stated that the support of the business sector is critical for continued environmental protection. Attaining sustainable development goals will depend upon socially

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responsible investing and the development of governance that effectively builds partnerships with civil society groups and employees.

**Mr. Mark Makepeace, Chief Executive, FTSE Group**

Mr. Makepeace explained the FTSE4 GOOD, an index for socially responsible investing, as a catalyst for change. This financial index and rating system encourages companies to change business practices and incorporate socially responsible investing into the mainstream. Makepeace stated that the indices also encourage global standards for socially responsible investing and create an “aspirational framework” to encourage companies to change practices. For inclusion into the index, companies cannot engage in tobacco production, manufacture of strategic parts or services for nuclear weapons, production of whole weapons systems or the operation of nuclear power stations and mining or processing uranium. The index rates eligible companies on their practices in regards to environmental sustainability, social issues and stakeholder relations and human rights.

**Mr. Nitin Pandit, Executive Director, International Institute for Energy Conservation**

Mr. Pandit addressed the need for socially responsible investing. “Global thinking,” he stressed, “implemented by local action leads to social action.” Pandit emphasized that local governments provide services and they can impact how these services are delivered. He went on to explain the Greening of the WSSD project, which offered a way to offset the impact of the summit’s carbon dioxide emissions produced by travel, by asking participants to invest in renewable energy projects in South Africa.

**Mr. Tony Colman, MP, United Kingdom**

Mr. Colman spoke to the importance of good governance in ensuring “clean investing.” Coleman called upon fellow legislators to clean up the economy by making stronger directives into laws. “The message,” he said, “is to deal with corruption in all levels of society and corporations.” Coleman noted that the investment of companies in renewable energy depends heavily upon the actions that legislators take.

**DAY TWO – AUGUST 30, 2002: CLEAN WATER**

**OPENING CEREMONY**

**Mr. Michael Muller, Director General, Ministry of Water Affairs and Forestry, South Africa on behalf of Mr. Ronnie Kasrils, Minister of Water Affairs and Forestry, South Africa**

Mr. Muller emphasized the increasing importance of protecting and conserving water in the years to come. Muller stressed the necessity of incorporating water conservation into issues of social equity, economic growth and ecological integrity. Water management officials must ensure that water is fit for use, and he noted that by administering water delivery effectively, it might be easier to prevent and reduce pollution. Finally, Muller stated that successful administration of water resources depends on a constitution that is fully implemented, effective legislation that can introduce new concepts in water management and a strong legislative framework that supports implementation.

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**Ms. Margaret Catley-Carlson, Advisor, Programme on Sustainable Development and Population, PGA; Chair, Global Water Partnership**

Ms. Catley-Carlson gave an overview of the various costs of water pollution to society. She noted that preventing water pollution is always more cost-effective than cleaning up pollution. Prevention however, is a low priority due to lack of political will. Catley-Carlson noted that the legislators could dramatically improve water quality by re-examining community-based water management practices and by addressing problems locally. She urged MPs to consider payment systems for water service and noted that all over the world inhabitants in developing countries are willing to pay for water and it is political processes that often blocks this exchange.

**Mr. Bertrand Charrier, Executive Director, Green Cross International**

Mr. Charrier emphasized the inextricable links between water security, and social, economic and national stability. There are no unilateral solutions to trans-boundary water problems. He suggested that joint management be built on a system of effective interdependence and pooling of sovereignty and resources. Some solutions to water shortages and conflicts include: improved agricultural efficiency, improved water quality, improved distribution, greater public awareness and participation, a commitment to water equity and rights, information sharing, transparency and the development of new water supplies through re-use, recycling and desalination.

**PANEL I – WATER POLLUTION: THE PROBLEM AND ITS COSTS**

**Dr. Grethel Aguilar, Costa Rica, Member, IUCN Commission on Environmental Law**

Dr. Aguilar explained that governments must implement mechanisms to eliminate the sources of pollution and remediate damages related to contamination and pollution. To create sustainable water resources, she suggested that governments evaluate the ecological and economic costs of water, including the price of water purification and watershed conservation. In Costa Rica, for example, public education programs inform citizens that forest preservation secures clean water and citizens are paid to conserve forestlands on their properties.

**Dr. Hoda Ahmed Lotfy Ali Rezkanna, MP, The Egyptian People's Assembly**

Dr. Rezkanna explained Egypt's national water resources plan. The country's objectives are to: 1. improve public health by raising water quality; 2. create sustainable use for groundwater; 3. produce fish safe for human consumption and 3. maintain and improve conditions for tourism on the northern coast. Rezkanna attributed water problems to a lack of institutional co-ordination, ineffective law enforcement and a lack of information. The measures to address the most serious problems were prioritised as: pollution prevention, pollution treatment and pollution control. Parliament has created regulations to stimulate clean industries. Legislation has been passed to ensure that the polluter pays for damages and is responsible for self-monitoring that is subject to government inspection. Measures were passed to prioritize urban conglomerates and achieve cost recovery, as well as to create local action plans for risk reduction.

**Congressman Earl Blumenauer, U.S. House of Representatives - Oregon**

Congressman Blumenauer addressed the need to rectify water problems on a municipal, state and federal level. He asked fellow legislators to rethink the creation of dams, water catchments, dumping laws and the use of water for agriculture. Blumenauer also urged parliamentarians to

legislate for sound land-use practices to protect riparian areas and wetlands. Finally, he called upon legislators to create public education programs, especially targeted to children, to change attitudes about water use and treatment.

**Mr. Yoshio Yatsu, MP, Japan; Chairman of The Asian Forum of Parliamentarians on Population and Development (AFPPD)**

Mr. Yatsu stressed that although many governments have policies to regulate water allocation and implementation, community involvement is lacking. Yatsu stressed that community input should be a cornerstone of the policy process.

**PANEL II – LEGISLATING FOR CLEAN WATER**

**Mr. John Scanlon, Head, IUCN Environmental Law Program**

Mr. Scanlon gave a comparative analysis of legislation useful for controlling water pollution. He urged MPs to identify the water quality standards that need to be reached and decide at what scale water pollution issues are being addressed – i.e. local, national and regional. Scanlon noted that legislators should ensure that laws address both public and private authorities and that effective administration and budgets provide adequate infrastructure. Laws needed for environmental protection and point source protection should address: land use, farm management, irrigation practices, catchment management, and water source quality and quantity.

**Mr. Michael Kidd, Professor, University of Natal, South Africa; Member, IUCN Commission on Environmental Law**

Mr. Kidd addressed the ways in which legislators can ensure the enforcement of environmental laws. Kidd identified criminal sanctions as a last resort and noted that alternatives such as market-based and co-regulatory approaches are needed to supplant such penalties. He stated that administrative measures, including directives, notices and even mandatory penalties, are effective methods of enforcement.

**Ms. Elissavet Papademetriou, MP, Greece**

Ms. Papademetriou presented a Greek-Turkish case study that stressed the need for regional cooperation in order to solve trans-boundary pollution problems. She stated that, “where water systems are shared, contracting parties need joint implementation.” Reporting on the status of PGA dialogues between Greek and Turkish parliamentarians, Papademetriou identified PGA’s conflict resolution processes as having accelerated political transparency on environmental and water issues. Due to these discussions, the Evros River has been established as a fully protected wetland, and an unbreakable link has been created between the two countries.

**Ms. Nagdalyan, MP, Armenia**

Ms. Nagdalyan highlighted the importance of protecting Lake Sevan, one of the major water resources for Armenia. A cooperative approach between Armenia and Azerbaijan to manage water is essential and has been launched through the initiative of PGA. Nagdalyan attributed increased cooperation regarding Lake Sevan’s management to the PGA workshops.



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**Ms. Manafova, MP, Azerbaijan**

Ms. Manafova spoke about her country's work with Armenia to improve regional water quality. To solve shared water problems, MPs from Azerbaijan and Armenia, through PGA, have worked to implement joint agreements initiating international monitoring and information exchanges.

**LUNCHTIME ADDRESS**

**Congressman James Greenwood, U.S. House of Representatives – Pennsylvania;  
President, GLOBE International**

Congressman Greenwood addressed the need for his fellow legislators to make the goals of the WSSD a priority in their own countries. He discussed the importance of good governance in ensuring implementation of globally negotiated agreements. Greenwood noted that such agreements are often not instituted correctly because legislators do not understand how to implement an international treaty at the national level. He closed by stating that in the 10 years since the Rio Earth Summit, sufficient environmental improvements have not occurred. "The key to saving human lives", he stated, "is in the hands of national legislators."

**PANEL III - LAUNCH OF THE PARLIAMENTARY IMPLEMENTATION WATCH  
The Parliamentary Network on the World Bank (PnoWB)**

**Mr. Suresh Keswani, Deputy Chair, Steering Committee, Parliamentary Network on the World Bank**

Mr. Keswani spoke about the importance of ensuring that the work of the WSSD be implemented nationally. The objective of Parliamentary Implementation Watch is to facilitate national implementation and follow-up on international treaties and negotiations. Keswani also noted that the creation of national level results depends on information exchanges and integrated strategies.

**Mr. Mats Karlsson, Vice President, External & UN Affairs, The World Bank**

Mr. Karlsson explained how the Parliamentarians' Implementation Watch represents the World Bank's new focus on concrete goals. The World Bank has made the Millennium Development Goals the main focus of their work. To get a handle on global issues management, the World Bank has implemented programs to ensure that countries have clear strategies to measure the efficacy of programs. Karlsson noted the importance of developing statistical capacity indicators and new systems for measuring and monitoring implementation. Finally, he acknowledged the importance of outreach to ensure intergovernmental coordination and cooperation with civil society.

**Mr. Mark Malloch-Brown, Administrator, UNDP**

Mr. Malloch-Brown described UNDP's poverty alleviation and environmental protection programs. Ultimately, Malloch-Brown stated that success is not achieved through development agencies, but through the work of legislators making environmental and poverty policies a top priority. The UNDP is working to create new collaborations between policy makers and scholars, to generate new thinking on how to create effective policy. He also stressed the importance of building national coalitions and partnerships between civil society and government. Malloch-Brown noted that the Millennium Development Goals highlight the fact that new approaches to political involvement are essential for poverty alleviation.

**Mr. Jacob Scherr, Director, International Program, Natural Resources Defence Council**

Mr. Scherr addressed the need to create effective follow-up mechanisms to ensure implementation of WSSD goals. Although the WSSD might represent an effective way to address the question of how to best use the earth's resources, Scherr emphasized the need for a structured follow-up plan, in order to ensure effective, local approaches to good environmental governance. He detailed the NRDC's role in tracking implementation following the Rio "Earth Summit" and stressed the need to ensure that mechanisms at the national and international level held governments and cross-sector partnerships accountable to the globally agreed upon standards and targets.

**FINAL DECLARATION AND CONCLUSIONS**

The Parliamentary Workshop on Clean Air and Clean Water culminated in the adoption of a final declaration that acknowledges the crucial role of legislators in national implementation of globally negotiated environmental agreements. The participants "reaffirmed their commitment to the Rio principles, the full implementation of Agenda 21, and the internationally agreed development goals, including those contained in the United Nations Millennium Declaration," as well as the outcomes of the major United Nations conferences and international agreements made since 1992.

The declaration also recognizes the need to: establish judicial and administrative procedures for legal redress for pollution, create an international network of legislators, emphasize the importance of a country-specific environmental framework that facilitates effective implementation, promote information exchanges between parliament, civil society and government, support cross-sector partnerships to encourage the adoption of non-nuclear, renewable energy technologies, encourage socially responsible investing, affirm the necessity of creating concrete targets for renewable energy and encourage cross-border collaboration and parliamentary exchanges.

During the course of the workshop, participants repeatedly stressed the need to increase the use of renewable energy technologies to lower air and water pollution levels. To this end, PGA sponsored a number of informal discussions between MPs, NGOs and private sector groups to develop programs that would encourage technology transfers and informational exchanges between parliaments.

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**APPENDIX I**

**PARLIAMENTARIANS FOR GLOBAL ACTION**

**Parliamentary Workshop on Clean Air and Clean Water  
A Parallel Event at the World Summit On Sustainable Development**

*In Cooperation with the South African Ministry of Water Affairs and Forestry and  
The South African Ministry of Health*

**August 29-30, 2002  
Summer Place, Johannesburg, South Africa**

**PROGRAMME**

**Day One - August 29, 2002: Clean Air**

**Parliamentary Host: Mr. James Ngcuku,  
Chairperson of the Committee on Health, South Africa**

<b>Opening Ceremony 2:00 pm – 2:45 pm</b>
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- **Welcoming Remarks** – *Hon. Theresa Ameley Tagoe, Deputy Minister of Works and Housing, MP, Ghana; Convenor, Sustainable Development and Population Program, PGA*
- **Inaugural Address** – *Dr. Manto E. Tshabalala-Msimang, Minister of Health, South Africa*
- **Opening Remarks** – *Mr. Bakary Kante, Director, Division of Policy Development and Law, United Nations Environment Program*
- **Keynote Address** – *Congressman Dennis Kucinich - Ohio, U.S. House of Representatives; Deputy Convenor, Sustainable Development and Population Program, PGA*

<b>Panel I – Air Pollution: The Problem and Its Costs 3:00 pm – 4:00 pm</b>
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**Collaborating Partner: Natural Resources Defense Council**  
**Chair: Ms. Fatima Hajaig, MP, South Africa**

- **The Economic Costs of Air Pollution** – *Dr. R.K Pachauri, Director General of the TATA Energy and Research Institute, Delhi, India; Chair, UN Intergovernmental Panel on Climate Change*
- **The Physical Costs of Air Pollution** – *Dr. Evelyn A. Mauss, Senior Science Consultant, NRDC*

- **Intervention:** *Dr. Kobus Gaus, MP, Portfolio Committee on Health, South Africa*
- **Intervention: A Cairo Case Study** – *Dr. Amin Mobarak, MP, Chairman of Industry and Energy Committee, The Egyptian People's Assembly*
- **Intervention: A California Case Study** – *Mayor Jerry Brown, Mayor of Oakland, California; Former Governor of California, U.S.*

**Panel II – Legislating for Clean Air 4:00 pm – 5:00 pm**

**Collaborating Partner: Natural Resource Defense Council**  
**Chair: Dep. Aly Lo, MP, Senegal**

- **Enforcing Air Pollution Legislation: Models and Challenges** – *Professor Antonio Benjamin, Environmental Public Prosecutor and Director, Law for a Green Planet Institute, Sao Paulo, Brazil; Member, IUCN Commission on Environmental Law*
- **Short Term Approaches to Air Pollution Reduction** – *Mr. Richard Kassel, Senior Attorney, NRDC*
- **A Singapore Case Study: Cleaning up Air Pollution in a Generation** – *Professor Koh Kheng Lian, Director, APCEL, Faculty of Law, National University of Singapore*
- **Intervention** – *Hon. Mercy Almona-Isei, Chair, House Committee on the Environment, Nigerian National Assembly*
- **Intervention** – *Dip. Arnold Ricalde de Jager, Presidente de la Comision de Medio Ambiente, Asamblea Legislativa del Distrito Federal, Ciudad de Mexico*

**Panel III – Improving Air Quality Through the Use of Renewable Energy**  
**5:00 pm – 6:00 pm**

**Collaborating Partner: The Business Council for Sustainable Energy**  
**Chair: Ambassador Raul Estrada Oyuela, Head of the Argentine Delegation to WSSD**

- **The Role Of Legislators In Encouraging the Use of Renewable Energy** – *Mr. Michael Marvin, President, Business Council for Sustainable Development*
- **Renewable Energy: Finding Technologies Best Suited For Specific Countries**
  - *Ms. Nancy Bacon, Senior Vice President, Energy Conversion Devices*
  - *Mr. David Citrin, Vice President ORMAT International*
- **Intervention** – *Congressman George Miller - California, U.S. House of Representatives*
- **Intervention** – *Mr. Ram Jethmalani, MP, India*

**Panel IV – Investing in a “Clean” Economy 6:00 pm – 6:45 pm**

**Collaborating Partners: Business Council for Sustainable Energy, FTSE Group**  
**Chair: Hon. Gilbert Parent, Ambassador for the Environment and Sustainable Development, Canada**

- **Improving Environmental Quality Through Socially Responsible Investing** –  
*Mr. Mark Makepeace, Chief Executive, FTSE Group*
- **Socially Responsible Investing - Case Study: Johannesburg Climate Legacy** –  
*Mr. Nitin Pandit, Executive Director, International Institute for Energy Conservation*
- **Intervention** – *Mr. Tony Colman, MP, United Kingdom*
- **Intervention** – *Dr. Chung Woo-Taik, MP, Korea, President, Asia-Pacific Parliamentarians' Conference on Environment and Development (APPCED)*

**Day Two – August 30, 2002: Clean Water**

**Parliamentary Host: Ms. BP Sonjica,  
Chairperson of the Portfolio Committee on Water Affairs and Forestry, South Africa**

**Opening Ceremony 9:00 am – 9:30 am**

- **Welcoming Remarks** – *Mr. Carlos Manuel Rodriguez, Minister of Energy and the Environment, Costa Rica\**
- **Inaugural Address** – *Mr. Ronnie Kasrils, Minister of Water Affairs and Forestry, South Africa*
- **Opening Remarks** – *Ms. Margaret Catley-Carlson, Advisor, Programme on Sustainable Development and Population, PGA, Chair, Global Water Partnership*
- **Keynote Address** – *Mr. Bertrand Charrier, Executive Director, Green Cross International*

**Panel I – Water Pollution: The Problem and Its Costs 9:30 am – 10:30 am**

**Chair: Mr. Adolfo Taylhardat, Vice President of the Environment Committee of the Latin American Parliament (Parlamento Latinoamericano)**

- **Water Pollution: The Challenges Lesser-Developed Nations** - *Dr. Grethel Aguilar, Costa Rica; Member, IUCN Commission on Environmental Law*
- **Intervention: A Cairo Case Study** – *Dr. Hoda Ahmed Lotfy Ali Rezkanna, MP, The Egyptian People's Assembly*
- **Intervention** – *Congressman Earl Blumenauer - Oregon, U.S. House of Representatives*

**10:30 am – 11:00 am – Coffee Break**

**Panel II – Legislating for Clean Water 11:00 am – 12:00 pm**

**Chair: Mr. JW van Wyk, MP, South Africa, Portfolio Committee on Water Affairs and Forestry**

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\* Invited

- **Effective Water Pollution Legislation: The Legislative Framework Each Country Needs to Effectively Control Water Pollution** – *Mr. John Scanlon, Head, IUCN Environmental Law Programme*
- **Effective Environmental Law Enforcement and Regulation** – *Professor Michael Kidd, University of Natal, South Africa; Member, IUCN Commission on Environmental Law*
- **Intervention: Cross Border Collaboration: National and International Legislation on Water Pollution – A Greek/Turkish Case Study** – *Ms. Elissavet Papadimitriou, MP, Greece*
- **Intervention** – *Mr. Yoshio Yatsu, MP Japan, Chairman of The Asian Forum of Parliamentarians on Population and Development (AFPPD)*

**12:30 pm – 2:00 pm – Lunch**  
**Discussion and Selection of Final Declaration Drafting Committee – Hon. Theresa Ameley Tagoe**  
**Lunchtime Address – Congressman Jim Greenwood -Pennsylvania, U.S. House of Representatives President, GLOBE International**

**Closed Drafting Session 2:00 pm – 4:00 pm**

**Panel III – Post Summit “Parliamentary Implementation Watch” 2:00 pm – 4:00 pm**

*Collaborating Partner: The Parliamentary Network on the World Bank (PnoWB)*  
*Chair: Mr. Suresh Keswani, Deputy Chair, Steering Committee, Parliamentary Network on the World Bank*

- **Launch Statement** – *Mr. Suresh Keswani*
- **Parliamentarians’ Implementation Watch - Statement on World Bank Research relevant to Implementation Watch** – *Mr. Mats Karlsson, Vice President External & UN Affairs, The World Bank*
- **Keynote Address on the Special UNDP Initiatives to Follow-up on the Millennium, Monterrey and Johannesburg Goals** – *Mr. Mark Malloch-Brown, Administrator, UNDP*
- **Partnerships for Global Accountability** – *Mr. Jacob Scherr, Natural Resources Defence Council*

**Coffee Break 4:00 – 4:30 pm**

**4:30 – 5:30 pm – Discussion and Adoption of Final Declaration**

**5:30 – 6:00 pm Closing Remarks – Hon. Theresa Ameley Tagoe, Deputy Minister of Works and Housing, MP, Ghana, Convenor, Sustainable Development and Population Program, PGA**

***7:30 pm, for 8:00 pm – Closing Cocktail Reception hosted by  
South African Minister of Water Affairs and Forestry, Mr. Ronnie Kasrils  
South African Minister of Health, Dr. Manto E. Tshabalala-Msimang***

## APPENDIX II

### Parliamentary Workshop on Clean Air and Clean Water

August 29-30, 2002  
Summer Place, Johannesburg, South Africa

#### LIST OF PARTICIPANTS

##### Members of Parliament

##### Angola

Mr. Almerindo Jaka Jamba, MP

Mr. Victoriano Nicolau, MP

Mr. Arlindo Silva, MP

##### Armenia

Mr. Artashes Geghamyan, MP

Mr. Stepan Zakaryan, MP

Ms. Hermine Nagdalyan, MP

##### Azerbaijan

Mr. Ogtay Asadov, MP

Professor Asaf Hajiyev, MP

Mr. Khidir Alovlu, MP

Ms. Asya Manafova, MP

##### Bulgaria

Ms. Margariata Kaneva, MP

Mr. Arso Manov, MP

##### Burkina Faso

Dep. N'Père Adèle Traore, MP

##### Central African Republic

Mr. Phillippe Woungant, MP

##### Chile

Senador Antonio Horvath Kiss, MP

Dip. Alejandro Navarro Brain, MP

##### Cote d'Ivoire

Mr. Anaky Kobena, MP

Mr. Albert Mabri Tukeusse, MP

##### Croatia

Ms. Marijana Petir, MP

##### Czech Republic

Mr. Milos Kuzvart, MP

##### Democratic Republic of Congo

Mr. Henri Mukatshung Minambu, MP



**India**

**Egypt**

Dr. Amin Mobarak, MP  
*Chairman of Industry and Energy  
Committee*

Dr. Hoda Ahmed Lotfy Ali Rezkanna, MP

Dr. Mamdouh Riad  
Minister of the Environment, Egypt

**European Parliament**

Mr. Bema Lange, MP

**Finland**

Dr. Kimmo Kiljunen, MP

**France**

Mr. Thierry Chambolle, MP

**Germany**

Ms. Eva Quistop, MEP

Mr. Wolfgang Behrendt, MP

**Ghana**

Hon. Cletus Avoka, MP

Dr. Edward Baffoe-Bonnie, MP

Hon. Theresa Ameley Tagoe, MP  
*Deputy Minister of Works and Housing  
Convenor, Sustainable Development and  
Population Program, PGA*

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Ms. Elissavet Papademetriou, MP

Mr. Ram Jethmalani, MP

Mr. K.M. Khan, MP  
*President, GLOBE India*

Mr. Ramnath Kovind, MP

Mr. Bal Krishna Chauban, MP

Mr. P.K. Maheshwari, MP

Mr. B.R. Manhar, MP

Ms. Krishna Murthy, MP

Mr. Alladi Rajkumar, MP

Ms. Mabel Rebello, MP

**Iran**

Ms. Fatemeh Edalat, MP

Mr. Tofighi Hassan, MP

Mr. Bagher Mousavi Jahanabad, MP

Mr. Mohammad Musau, MP

Mr. Mohammad Rez Tabesh, MP  
*Vice-Chair, Fraction on Environment*

Mr. Hassan Tofighi, MP

**Ireland**

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**Italy**

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Ms. Laura Cima, MP

Ms. Daniela Colletti, MP

Ms. Cayetana de Zulueta, MP

Ms. Ida D'Ippolito, MP

Mr. Giuseppe Fioroni, MP

Mr. Avenito Frau, MP

Mr. Gian Paolo Landi di Chiavenna, MP

Mr. Francesco Moro, MP

Mr. Emiddio Novi, MP

Mr. Giuseppe Palumbo, MP

Senator Alessandro Perrone, MP

Mr. Augusto Arduino Claudio Rollandin,  
MP

Mr. Maurizio Ronconi, MP

Mr. Enrico Seta, MP

Ms. Dorothy Selibas, MP

Mr. Francesco Stradella, MP

Senator Marisa Tinto, MP

Mr. Sauro Turrone, MP

Mr. Giuseppe Vallone, MP

Mr. Gianni Verneti, MP

### **Japan**

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Hon. Wakako Hironaka, MP  
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Mr. Kayoko Shimizu, MP

Mr. Mayumi Suzuki, MP  
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Mr. Masahiro Tabata, MP

Mr. Atsuko Terazono, MP

### **Mali**

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### **Mexico**

Sen. Oscar Canton, MP

Mr. Arnold Ricalde de Jager, MP  
*Presidente de la Comision de Medio  
Ambiente Asamblea Legislativa del Distrito  
Federal*

Sen. Beltran Fidel Herrera, MP

Dr. Alberto Rojas, MP

Dip. Diego Cobo Terrazas, MP

### **New Zealand**

Mrs. Cindy Smal, MP

Dr. Mick Smith, MP

### **Nigeria**

Hon. Mercy Almona-Isei, MP

*Chair of the Parliamentary Committee on the Environment*

Hon. Levi Oguike, MP  
*Chairman, House Committee on Habitat*

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Ms. Gunhild Øyangen, MP

Ms. Ingvild Vaggen Malvik, MP

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Mr. Dag Tore Seierstad, MP

Ms. Inge Fjalestad, MP

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Mr. Ioan Oltean, MP  
*Chairman, Commission for Public Administration, Territorial Planning and Ecological Balance, Chamber of Deputies*

Mr. Eugen Lucian Plesa, MP

Mr. Kovacs Csaba Tiberiu, MP  
*Secretary, Commission for Public Administration, Territorial Planning and Ecological Balance, Chamber of Deputies*

**Russian Federation**

Mr. K.V. Remchukov, MP

Mr. S.A. Zolotilin, MP

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Dep. Aly Lo, MP

Dep. Pap Babacar Mbaye, MP

Dep. Abdullahi Bathily, MP

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Mr. Andre de Wet, MP  
*Chair, Committee on Economic Affairs*

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Mr. MEC Enoch, MP

Mr. Enoch Godongwana, MP

Mr. Alwyn Goosen, MP

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Mr. Chabane Hlaneki, MP

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Mr. Graham McIntosh, MP

Ms. Pk Mothoagae, MP

Mr. Kereng Mothoagae, MP

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Chair, Portfolio Committee on Health

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Ms. Harriet Ngubane, MP

Ms. Lydia Ngwenya, MP

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Mr. Stephen Phohlela, MP

Mr. Maxwell Sibiya, MP

Mr. Stanley Simmons, MP

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Chair, Portfolio Committee on Water  
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*Deputy Speaker of Parliament*

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### **Switzerland**

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### **Tanzania**

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Hon. Anna S. Makinda, MP

### **Tchad**

Mr. Hinansou-Laina Loum, MP

Mr. Djounfoune Djoudoungséougou, MP

### **Turkey**

Hon. Cemal Özbylen, MP  
*President, Environmental Committee*

### **Uganda**

Hon. Kaweesi Mdawula, MP

Hon. Beatrice Rwakimari, MP

### **United Kingdom**

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Mr. Tony Baldry, MP

Ms. Sue Doughty, MP  
*Vice-Chair of Renewable and Sustainable  
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Ms. Emma Downing, MP  
*Committee Specialist, Environmental Audit  
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Mr. Simon Thomas, MP

Ms. Joan Walley, MP  
*Chair, All Party Group on Environmental  
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Hon. Digvijay Singh  
Chief Minister of State for External Affairs  
India

**United States**

Congressman Dennis Kucinich, D-OH  
*House of Representatives  
Deputy Convenor, Sustainable  
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Congressman George Miller, D-CA  
*House of Representatives*

Congressman Earl Blumenauer, D-OR  
*House of Representatives*

Congressman Jim Greenwood, D-PA  
*House of Representatives  
President, GLOBE International*

Congressman Christopher Shays, D-CT  
*House of Representatives*

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South Africa

Hon. Carlos Manuel Rodriguez  
Vice Minister of Environment and Energy  
Costa Rica

Dr. Manto E. Tshabalala-Msimang  
Minister of Health  
South Africa

**Members of Local Government**

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Chief Director of Department of  
Environment and Tourism, Eastern Cape  
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Mr. Jerry Brown  
Mayor of Oakland, California  
U.S.

Ms. Agnes De Jesus  
Environmental Management Manager  
The Phillipines

Ms. Amelyn Eventine  
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The Phillipines

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Mr. S. Maclean  
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South Africa

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Ms. Catherine Pearce  
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and Sustainable Energy Group  
London, UK

Mr. Venkata Ramana  
Winrock International  
Washington, D.C., U.S.

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Program Director  
Alliance to End Childhood Poisoning  
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Mr. K.W. James Rochow  
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Mr. Michael Sanio  
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The World Federation of Engineering  
Organizations  
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Mr. John Scanlon  
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Mr. Jacob Scherr  
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Business Council on Sustainable Energy  
Washington, D.C., U.S.

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ClearWater Project  
Los Angeles, U.S.

Mr. Fernando Tabet  
Red Interamericana de Especialistas en  
Legislación Ambiental  
Sao Paulo, Brazil

Mr. Richard Wilson  
Business Council on Sustainable Energy  
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Mr. Jay Wintergreen  
First Environment  
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### United Nations

Mr. Nitin Desai  
United Nations Secretary-General  
Of the Johannesburg Summit and Under-  
Secretary-General for Economic and Social  
Affairs

Mr. Bakary Kante  
Director  
Division of Policy Development and Law  
United Nations Environment Programme

Mr. George Nsiah  
UNFPA

Mr. Richard Leete  
Acting Chief of Population and  
Development  
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Mr. Mark Malloch Brown  
Administrator



UNDP

Mrs. Patricia Mgiba  
U.S. Consulate  
Johannesburg, South Africa

Mr. Gilbert Parent  
Ambassador for the Environment and  
Sustainable Development, Canada  
Pretoria, South Africa

Ms. Sesule Mujapelo  
U.S. Embassy to the United Nations  
South Africa

**Private Sector**

Ms. Nicky Newton King, Director  
Johannesburg Securities Exchange SA

Mr. Allan Greenblo, Divisional Director,  
Investor Relations Strategy

Ms. Nancy Bacon  
Senior Vice President  
Energy Conversion Devices  
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Mr. Horst Biedermann  
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Mr. Guy Landrieu  
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Mr. Mark Makepeace  
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Mr. Ken Mentzer  
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Mr. S'bu Mngadi  
Coca-Cola Company  
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Mr. Will Singleton  
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Pretoria, South Africa

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Portfolio Committee on Water Affairs and  
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Ms. Lynette Sait  
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### APPENDIX III

**Parliamentary Workshop on Clean Air and Clean Water  
A Parallel Event at the World Summit on Sustainable Development  
August 29-30, 2002  
Summer Place Hotel, Johannesburg, South Africa**

#### FINAL DECLARATION

Reaffirming our commitment to the Rio principles, the full implementation of Agenda 21, and reinforcing our commitment to achieving the internationally agreed development goals, including those contained in the United Nations Millennium Declaration, and in the outcomes of the major United Nations conferences and international agreements since 1992, including the goals and outcomes of the WSSD,

Recognising that the integration of environment and development concerns will lead to the fulfillment of basic needs, improved living standards for all, better protected and managed ecosystems and a safer, more prosperous future,

Recognizing that the effects of air and water pollution transcend national boundaries,

Underscoring the critical role of legislators as those who establish local environmental policies and regulations, and assist in implementing national and sub-national environmental policies,

We parliamentarians representing all regions of the world, hereby

- ***Encourage*** the establishment of judicial and administrative procedures for legal redress and remedy of actions affecting the environment, with a specific focus on air and water pollution,
- ***Invite*** legislators worldwide to consider and discuss issues relating to the harmonization of legislation on the reduction of air and water pollution,
- ***Underscore*** the importance of country-specific environmental legal frameworks that recognize local social, economic, political and cultural realities, and that will facilitate sustainable and effective implementation of legislation,
- ***Promote*** the exchange of information between parliament, civil society and government, with the aim of increasing awareness on issues facing the environment,

- **Support** cooperation between government and business in order to accelerate the transition to non-nuclear and renewable energy technologies,
- **Encourage** collaboration among legislators and business leaders with a view to improving environmental quality through socially responsible investing,,
- **Affirm** the necessity of setting targets within a timeframe, implementing legislation and utilising technology to ensure that a certain percentage sources of energy are renewable,
- **Encourage** the mobilization of sufficient committed funds, both new and in addition to those already in place, to ensure the support of global environmental management as well as the promotion of use of renewable sources of energy,
- **Encourage** the review and enactment of effective legislation to reduce air and water pollution,
- **Encourage** cross border collaboration and parliamentary exchanges, such as PGA's initiatives on water management, to ensure an equitable sharing of water resources and the elimination of water pollution,
- **Appeal** to all Parliaments to introduce legislation and develop international networks, involving government, international and local organizations, for an effective implementation of the WSSD goals and outcomes.
- **Express** our appreciation to Parliamentarians for Global Action, the Government of Denmark, the National Assembly and the Government of South Africa and the United Nations System, for their warm hospitality and their indispensable contributions, which have led to the success of the **Parliamentary Workshop on Clean Air and Clean Water**.

**Done on 30 August 2002 at the Summer Place Conference Center in Johannesburg, South Africa.**

## **THE WORKSHOP**