

Atmospheric Commitments

Agenda 21: Chapter 9 and UN Commission for Sustainable Development

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1. Stakeholders: Governments at the appropriate level, with the cooperation of the relevant United Nations bodies and, as appropriate, intergovernmental and non-governmental organizations, and the private sector

1.1 Addressing the uncertainties: improving the scientific basis for decision-making.

1.1.1 Activities

| Source | Recommendation | Target Group | Target Date | Reference |
|--|--|------------------|-------------|-----------|
| Agenda 21 Art. 9.8a | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted research related to the natural processes affecting and being affected by the atmosphere? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | Whole population | | |
| Agenda 21 Art. 9.8a CSD IX Agreement 9/2 Art. 10d CSD IX Agreement 9/2 Art. 10f | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted research related to the critical linkages between sustainable development and atmospheric changes, including impacts on human health, socio-economic development, ecosystems, cultural heritage, economic sectors and society? Regarding human health, has the government (with cooperation of UN, international community, NGOs and private sector) increased access to information on how to reduce health risks caused by air pollution and ozone depletion? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | Whole Population | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8b CSD IX Agreement 9/2 Art. 8a CSD IX | Has the government (with cooperation of UN, international community, NGOs and private sector) facilitated the establishment and operation of additional systematic observation stations? Has the government (with cooperation of UN, international community, NGOs and private sector) contributed to the development, utilization and accessibility of these databases? | Whole Population | | |

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|------------------------------|--|---------------------|--------------------|------------------|
| Agreement 9/2 Art. 8c | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8ci | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted cooperation in the development of early detection systems concerning changes and fluctuations in the atmosphere? | Whole Population | | |
| CSD IX Agreement 9/2 Art. 8a | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8cii | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the establishment and improvement of capabilities to predict changes and fluctuations in the atmosphere?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the establishment and improvement of capabilities to assess the resulting environmental and socio-economic impacts?</p> | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8d | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated in research to develop methodologies towards identifying threshold levels of atmospheric pollutants, as well as atmospheric levels of greenhouse gas concentrations?</p> <p>Through such research, has the government (with cooperation of UN, international community, NGOs and private sector) identified the threshold levels of atmospheric pollutants and atmospheric levels of greenhouse gas concentrations?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) also identified their rates of change that would not allow ecosystems to adapt naturally?</p> | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|---|--|----------------------|-------------|-----------|
| Agenda 21 Art. 9.8e CSD IX Agreement 9/2 Art. 8a | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted and cooperated in the building of scientific capacities in the fields of research, data assembly, collection and assessment, and systematic observation related to the atmosphere of other countries, particularly in those of developing countries? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | Developing countries | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8e | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted and cooperated in the exchange of scientific data and information in the fields of research, data assembly, collection and assessment, and systematic observation related to the atmosphere of other countries, particularly in those of developing countries? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | Developing Countries | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.8e | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted and cooperated in the facilitation of the participation and training of experts and technical staff in the fields of research, data assembly, collection and assessment, and systematic observation related to the atmosphere of other countries, particularly in those of developing countries? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | Developing countries | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IX Agreement 9/2 Art. 6h | Has the government (with cooperation of UN, international community, NGOs and private sector) encouraged the continuing close collaboration of the United Nations Environment Programme (UNEP), Habitat and other relevant international organizations with Governments in order to assist them to develop strategies to combat pollution? If so, has the government (with cooperation of UN, international community, NGOs and private sector) developed any strategies pertaining to indoor air pollution? | UNEP and other IGO's | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|-------------------------------|---|---------------------------------|-------------|-----------|
| CSD IX Agreement 9/2 Art. 7i | Has the government (with cooperation of UN, international community, NGOs and private sector) encouraged the Intergovernmental Panel on Climate Change to consider supporting the increased involvement of academics and experts of developing countries in its work, including in the preparation of its reports and the incorporation of developing country scientific and socio-economic literature therein? | Experts of developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IX Agreement 9/2 Art. 8b | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the continuation of the work of the critical ground-based measurement programme for total column ozone coordinated by the World Meteorological Organization (WMO)? | WMO | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IX Agreement 9/2 Art. 10b | Has the government (with cooperation of UN, international community, NGOs and private sector) publicized the work of the World Health Organization (WHO) to develop guidelines for air quality? | WHO | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 14 | Has the government (with cooperation of UN, international community, NGOs and private sector) increased research into energy and material efficiency and more environmentally sound production technologies, including improved GHG sequestration technologies? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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1.1.2 Means of implementation: International and regional cooperation

| Source | Recommendation | Target Group | Target Date | Reference |
|------------------------|--|------------------|-------------|-----------|
| Agenda 21 Art. 9.29 | Has the government (with cooperation of UN, international community, NGOs and private sector) continued to utilize the institutional structures that were created to facilitate international and regional cooperation? Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated and enhanced your cooperation at the regional and global levels? | All stakeholders | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

1.1.3 Financial and cost evaluation

| Source | Recommendation | Target Group | Target Date | Reference |
|------------------------|---|-----------------|-------------|-----------|
| Agenda 21 Art. 9.32 | How much has the government (with cooperation of UN, international community, NGOs and private sector) contributed to the \$640 million estimated average total annual cost of implementing the activities under programme A. on grant or concessional terms? Has the government (with cooperation of UN, international community, NGOs and private sector) decided upon any of your own specific strategies and programmes? | All Governments | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

1.2 Promoting sustainable development

1.2.1 Activities

1.2.1.1 Energy development, efficiency and consumption

| Source | Recommendation | Target Group | Target Date | Reference |
|--------|----------------|--------------|-------------|-----------|
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| Agenda 21 Art.9.12a | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated in identifying and developing economically viable, environmentally sound energy sources?</p> <p>If so, has the government (with cooperation of UN, international community, NGOs and private sector) promoted the availability of increased energy supplies to support sustainable development efforts, in particular in developing countries?</p> | Whole population Developing countries | | |
|-----------------------------------|--|--|-------------|-----------|
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12b | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the development, at the national level, of appropriate methodologies for making integrated energy, environment and economic policy decisions for sustainable development? inter alia, through environmental impact assessments?</p> | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12c | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the research, development, transfer and use of improved energy-efficient technologies and practices, (including endogenous technologies in all relevant sectors) giving special attention to the rehabilitation and modernization of power systems?</p> | Developing countries | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12d | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the research, development, transfer and use of technologies and practices for environmentally sound energy systems, including new and renewable energy systems?</p> | Developing countries | | |
| CSD IX Agreement 9/2 Art 6f | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |

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|------------------------|--|----------------------|--------------------|------------------|
| Agenda 21 Art.9.12e | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the development of institutional, scientific, planning and management capacities, to develop, produce and use increasingly efficient and less polluting forms of energy? | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12f | Has the government (with cooperation of UN, international community, NGOs and private sector) reviewed current energy supply mixes to determine how the contribution of environmentally sound energy systems as a whole, particularly new and renewable energy systems, could be increased in an economically efficient manner? If so, has the government (with cooperation of UN, international community, NGOs and private sector) examined and implemented, where appropriate, measures to overcome any barriers to their development and use? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12g | Has the government (with cooperation of UN, international community, NGOs and private sector) coordinated energy plans regionally and sub-regionally, where applicable? | Regional governments | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12g | Has the government (with cooperation of UN, international community, NGOs and private sector) studied the feasibility of efficient distribution of environmentally sound energy from new and renewable energy sources? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |

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| Agenda 21 Art.9.12h | Has the government (with cooperation of UN, international community, NGOs and private sector) evaluated and/or promoted cost-effective policies or programmes, including administrative, social and economic measures, in order to improve energy efficiency? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12i | Has the government (with cooperation of UN, international community, NGOs and private sector) built the capacity for energy planning and programme management in energy efficiency? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12i | Has the government (with cooperation of UN, international community, NGOs and private sector) built the capacity for the development, introduction, and promotion of new and renewable sources of energy? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12j | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted appropriate energy efficiency and emission standards that minimize adverse impacts on the environment? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art.9.12j | Has the government (with cooperation of UN, international community, NGOs and private sector) made recommendations at the national level, aimed at the development and use of technologies, which minimize adverse impacts on the environment? | National governments | | |

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| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
|---|--|------------------|-------------|-----------|--|
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art.9.12k CSD IV Agreement 4/15 Art. 11 | Has the government (with cooperation of UN, international community, NGOs and private sector) encouraged/utilized education, training, information dissemination, enhancement of knowledge, voluntary agreements and awareness-raising programmes at the local, national, subregional and regional levels concerning energy efficiency and environmentally sound energy systems? | All Stakeholders | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art.9.12i | Has the government (with cooperation of UN, international community, NGOs and private sector) established or enhanced, as appropriate, labelling programmes for products to provide decision makers and consumers with information on opportunities for energy efficiency, in cooperation with the private sector? | Consumers | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| CSD IX Agreement 9/2 Art 6e | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted sustainable consumption and production patterns? | All Stakeholders | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| CSD IX Agreement 9/2 Art 6g | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the identification of financial, technological and institutional barriers and constraints that all countries are facing in combating air pollution, especially in metropolitan areas, with a view to addressing and removing them? | All Countries | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| 1.2.1.2 Transportation | | | | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|---|--|-----------------------|-------------|-----------|
| Agenda 21 Art. 9.15a | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) developed and promoted, as appropriate, cost-effective, more efficient, less polluting and safer transport systems?</p> <p>If so, has the government (with cooperation of UN, international community, NGOs and private sector) addressed the issues of integrated rural and urban mass transit, as well as environmentally sound road networks?</p> | Developing countries | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.15b CSD IX Agreement 9/2 Art. 6d | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) facilitated at the international, regional, subregional and national levels access to and the transfer of safe, efficient (including resource-efficient), and less polluting transport technologies?</p> <p>If so, has the government (with cooperation of UN, international community, NGOs and private sector) implemented the appropriate training programmes?</p> | Developing countries | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.15c | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) strengthened, as appropriate, your efforts at collecting, analysing and exchanging relevant information on the relation between environment and transport? (With particular emphasis on the systematic observation of emissions and the development of a transport database)</p> | Transportation sector | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.15d | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) evaluated and, as appropriate, promoted cost-effective policies or programmes, including administrative, social and economic measures, in order to encourage use of transportation modes that minimize adverse impacts on the atmosphere?</p> | Transportation sector | | |

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| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not?</p> | | | |
|---------------------------------------|---|---------------------------|-------------|-----------|
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.15e | Has the government (with cooperation of UN, international community, NGOs and private sector) developed or enhanced, as appropriate, mechanisms to integrate transport planning strategies and urban and regional settlement planning strategies, with a view to reducing the environmental impacts of transport? | Transportation sector | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.15f | Has the government (with cooperation of UN, international community, NGOs and private sector) studied the feasibility of convening regional conferences on transport and the environment? (Within the framework of the United Nations and its regional commissions) | Governments at all levels | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not?</p> | | | |
| 1.2.1.3 Industrial development | | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18a | Has the government (with cooperation of UN, international community, NGOs and private sector) evaluated and, as appropriate, promoted cost-effective policies or programmes, including administrative, social and economic measures, in order to minimize industrial pollution and adverse impacts on the atmosphere? | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18b | Has the government (with cooperation of UN, international community, NGOs and private sector) encouraged industry to increase and strengthen its capacity to develop technologies, products and processes that are safe, less polluting and make more efficient use of all resources and materials, including energy? | Industry | | |
| CSD IX Agreement 9/2 Art. 6c | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted and given incentives to the dissemination of best available and affordable techniques to improve air quality? | | | |

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| CSD IX Agreement 9/2 Art. 10h | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
|-------------------------------------|---|----------------------|-------------|-----------|
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18c | Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated in the development and transfer of such industrial technologies? (Agenda 21 Art 9.18b) | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18c | Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated in the development of capacities to manage and use such technologies? (Agenda 21, Art 9.18b) | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18d | Has the government (with cooperation of UN, international community, NGOs and private sector) developed, improved and applied environmental impact assessments to foster sustainable industrial development? | Industry | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.18e | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted the efficient use of materials and resources? | All stakeholders | | |
| | If so, has the government (with cooperation of UN, international community, NGOs and private sector) taken into consideration the life cycles of products, in order to realize the economic and environmental benefits of using resources more efficiently and producing fewer wastes? 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|---|--|------------------|-------------|-----------|
| Agenda 21 Art 9.18f | Has the government (with cooperation of UN, international community, NGOs and private sector) supported the promotion of less polluting and more efficient pollution abatement technologies and processes in industries? | Industry | | |
| CSD IX Agreement 9/2 Art. 6c | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| 1.2.1.4 Terrestrial and marine resource development and land use | | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.21a | Has the government (with cooperation of UN, international community, NGOs and private sector) evaluated and, as appropriate, promoted cost-effective policies or programmes, including administrative, social and economic measures, in order to encourage environmentally sound land-use practices? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.21b | Has the government (with cooperation of UN, international community, NGOs and private sector) implemented policies and programmes that will discourage inappropriate and polluting land-use practices? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.21b | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted sustainable utilization of terrestrial and marine resources? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art 9.21c | Has the government (with cooperation of UN, international community, NGOs and private sector) considered promoting the development and use of terrestrial and marine resources and land-use practices that will be more resilient to atmospheric changes and fluctuations? | Whole population | | |

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| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
|--|--|---|--------------------|------------------|--|
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art 9.21d | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted sustainable management and cooperation in the conservation and enhancement, as appropriate, of sinks and reservoirs of greenhouse gases, including biomass, forests and oceans? | Forests and oceans | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art 9.21d | Has the government (with cooperation of UN, international community, NGOs and private sector) promoted sustainable management and cooperation in the conservation and enhancement of terrestrial, coastal and marine ecosystems? | Terrestrial, coastal, and marine ecosystems | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| 1.2.2 Means of implementation | | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.30 | Has the government (with cooperation of UN, international community, NGOs and private sector) mobilized technical and financial resources and facilitated technical cooperation with developing countries to reinforce their technical, managerial, planning and administrative capacities to promote sustainable development and the protection of the atmosphere, in all relevant sectors? | Developing countries | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| 1.2.3 Financial and cost evaluation | | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |

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|------------------------|--|-----------------|--|--|
| Agenda 21 Art. 9.33 | <p>How much has the government (with cooperation of UN, international community, NGOs and private sector) contributed to the \$20 billion estimated average total annual cost of implementing the four-part programme under programme B. on grant or concessional terms?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) decided upon any of your own specific strategies and programmes?</p> | All Governments | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |

1.3 Preventing stratospheric ozone depletion

1.3.1 Activities

| Source | Recommendation | Target Group | Target Date | Reference |
|--|---|----------------------|-------------|-----------|
| Agenda 21 Art. 9.24a CSD IX Agreement 9/2 Art. 7adh CSD IV Agreement 4/15 Art. 6,7 | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) ratified, accepted or approved the Montreal Protocol and its 1990 amendments?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) ratified, accepted or approved the United Nations Framework Convention on Climate Change (UNFCCC), with special emphasis on the successful conclusion of the Berlin Mandate process?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) ratified, accepted or approved the Stockholm Convention on Persistent Organic Pollutants (POPs)?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) ratified, accepted or approved the United Nations Convention to Combat Desertification and fully implement their commitments therein?</p> <p>If so, what stage(s) are the agreements at the national level?</p> | All stakeholders | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.24a CSD IX Agreement 9/2 Art. 7e | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) paid your contributions towards the Vienna/Montreal trust funds?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) paid your contributions towards the interim multilateral ozone fund?</p> | National governments | | |

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| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
|------------------------------------|--|---------------------------------------|-------------|-----------|--|
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.24a | Has the government (with cooperation of UN, international community, NGOs and private sector) contributed, as appropriate, towards ongoing efforts under the Montreal Protocol and its implementing mechanisms? | Whole population | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.24a | Has the government (with cooperation of UN, international community, NGOs and private sector) made available substitutes for CFCs and other ozone-depleting substances? | Whole population | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.24a | Has the government (with cooperation of UN, international community, NGOs and private sector) facilitated the transfer of the corresponding technologies to developing countries in order to enable them to comply with the obligations of the Protocol? | Developing countries | | | |
| CSD IX Agreement 9/2 Art. 7f | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.24b | Has the government (with cooperation of UN, international community, NGOs and private sector) supported the further expansion of the Global Ozone Observing System by facilitating - through bilateral and multilateral funding - the establishment and operation of additional systematic observation stations, especially in the tropical belt in the southern hemisphere? | Whole population Tropical belt | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |

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|-------------------------|---|---------------------|--------------------|------------------|
| Agenda 21 Art. 9.24c | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) participated actively in the continuous assessment of scientific information and the health and environmental effects?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) considered further actions that prove warranted and feasible on the basis of these assessments?</p> | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.24c | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) participated actively in the continuous assessment of the technological/economic implications of stratospheric ozone depletion?</p> <p>Has the government (with cooperation of UN, international community, NGOs and private sector) considered further actions that prove warranted and feasible on the basis of these assessments?</p> | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.24d | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) considered taking appropriate remedial measures in the fields of human health, agriculture and marine environment, based on the results of research on the effects of the additional ultraviolet radiation reaching the Earth's surface?</p> | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.24e | <p>Has the government (with cooperation of UN, international community, NGOs and private sector) replaced CFCs and other ozone-depleting substances; consistent with the Montreal Protocol with a suitable holistically evaluated replacement?</p> | Whole population | | |
| | <p>1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured?</p> <p>2.) If not: Why not?</p> | | | |
| Source | Recommendation | Target Group | Target Date | Reference |

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|--|--|---------------------|--------------------|------------------|
| CSD IV Agreement 4/15 Art. 10 | Has the government (with cooperation of UN, international community, NGOs and private sector) considered the broad spectrum of cost-effective policy instruments (-economic and fiscal, regulatory and voluntary - including environmental cost internalisation and removal of environmentally damaging subsidies) to promote the use of sustainable and environmentally sound renewable energy sources, as well as the use of energy sources with low greenhouse gas (GHG) emissions? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| 1.3.2 Means of implementation | | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.31 | Has the government (with cooperation of UN, international community, NGOs and private sector) introduced and strengthened education and awareness-raising programmes concerning the promotion of sustainable development and the protection of the atmosphere, at the local, national and international levels in all relevant sectors? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| 1.3.3 Financial and cost evaluation | | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.34 | How much has the government (with cooperation of UN, international community, NGOs and private sector) contributed to the \$160-590 million estimated average total annual cost of implementing the four-part programme under programme C. on grant or concessional terms? Has the government (with cooperation of UN, international community, NGOs and private sector) decided upon any of your own specific strategies and programmes? | All Governments | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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1.4 Transboundary atmospheric pollution

1.4.1 Activities

| Source | Recommendation | Target Group | Target Date | Reference |
|------------------------------------|---|----------------------|-------------|-----------|
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) established and/or strengthened regional agreements for transboundary air pollution control? | Whole population | | |
| CSD IX Agreement 9/2 Art. 9a | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated, particularly with developing countries, in the areas of systematic observation, quantification, assessment, and modelling of transboundary air pollution? | Developing countries | | |
| CSD IX Agreement 9/2 Art. 9b | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) helped to promote the development and exchange of emission control technologies for mobile and stationary sources of air pollution? | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) addressed the extent, causes, health and socio-economic impacts of ultraviolet radiation? | All stakeholders | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|------------------------------------|--|------------------------|-------------|-----------|
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) addressed the extent, causes, health and socio-economic impacts of acidification of the environment? | All stakeholders | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28a | Has the government (with cooperation of UN, international community, NGOs and private sector) addressed the extent, causes, health and socio-economic impacts of photo-oxidant damage to forests and other vegetation? | Forests and vegetation | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28b | Has the government (with cooperation of UN, international community, NGOs and private sector) established or strengthened early warning systems and response mechanisms for transboundary air pollution resulting from industrial accidents and natural disasters and the deliberate and/or accidental destruction of natural resources? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28c | Has the government (with cooperation of UN, international community, NGOs and private sector) facilitated training opportunities regarding transboundary air pollution control? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| CSD IX Agreement 9/2 Art. 6a | | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| Agenda 21 Art. 9.28c | Has the government (with cooperation of UN, international community, NGOs and private sector) facilitated the exchange of data, information and national and/or regional experiences regarding transboundary air pollution control? | All stakeholders | | |

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|-------------------------------------|---|---------------------|--------------------|------------------|--|
| CSD IX Agreement 9/2 Art. 6b | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.28d | Has the government (with cooperation of UN, international community, NGOs and private sector) cooperated on regional, multilateral and bilateral bases to assess transboundary air pollution? | All stakeholders | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.28d | Has the government (with cooperation of UN, international community, NGOs and private sector) elaborated and implemented programmes identifying specific actions to reduce atmospheric emissions? | Whole population | | | |
| CSD IX Agreement 9/2 Art. 10c | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| Agenda 21 Art. 9.28d | Has the government (with cooperation of UN, international community, NGOs and private sector) elaborated and implemented programmes to address the environmental, economic, social and other effects of transboundary air pollution? | All stakeholders | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |
| Source | Recommendation | Target Group | Target Date | Reference | |
| CSD IX Agreement 9/2 Art. 9c | Has the government (with cooperation of UN, international community, NGOs and private sector) enhanced the capacity-building, institutional strengthening and involvement of all relevant stakeholders in the work for improved air quality, taking into consideration the special circumstances and needs of small developing island states? | Small island states | | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | | |

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| Source | Recommendation | Target Group | Target Date | Reference |
|-------------------------------|--|----------------------|-------------|-----------|
| CSD IX Agreement 9/2 Art. 10e | Has the government (with cooperation of UN, international community, NGOs and private sector) improved policies that reduce environmental health hazards, including through plans and strategies to prevent, mitigate and respond to diseases resulting from indoor and outdoor air pollution, giving special attention to the health of women and children? | Women and Children | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 17 | Has the government (with cooperation of UN, international community, NGOs and private sector) enhanced programmes that share management expertise, scientific expertise and information on technical mitigation options with developing countries and countries with economies in transition? | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 18 | Has the government (with cooperation of UN, international community, NGOs and private sector) addressed the growing risks caused by persistent organic pollutants (POP's)? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 18 | Has the government (with cooperation of UN, international community, NGOs and private sector) ratified, accepted or approved the ECE Convention on Long-range Transboundary Air Pollution and its protocols in all affected regions? | Administration | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 18 | Has the government (with cooperation of UN, international community, NGOs and private sector) developed and implemented policies and programmes, in a cooperative manner, to control emissions and prevent transboundary air pollution in your regions, through, inter alia, increased technology transfer and shared technical information? | Whole population | | |

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| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |
|-------------------------------|--|------------------|-------------|-----------|
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 18 | Has the government (with cooperation of UN, international community, NGOs and private sector) researched and evaluated endocrine disrupting chemicals? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

2. Stakeholder: United Nations specialized agencies and all relevant international organizations

| 2.1.1 Activities | | | | |
|------------------------------|--|------------------|-------------|-----------|
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IX Agreement 9/2 Art. 8d | Has the UN and relevant International organisations jointly planned and implemented a strategy for integrated global observations to monitor the Earth's atmosphere? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

3. Stakeholder: Industrial Sector

| 3.1.1 Activities | | | | |
|-------------------------------|--|------------------|-------------|-----------|
| Source | Recommendation | Target Group | Target Date | Reference |
| CSD IV Agreement 4/15 Art. 14 | Has industrial sector promoted the use of cost-effective environmentally sound technologies in your investment strategies? | Whole population | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |

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4. Stakeholder: Multilateral financial institutions

4.1.1 Activities

| Source | Recommendation | Target Group | Target Date | Reference |
|-------------------------------|---|----------------------|-------------|-----------|
| CSD IV Agreement 4/15 Art. 12 | Have the multilateral financial institutions utilized their investment strategies, in cooperation with interested recipient countries, for the development and dissemination of environmentally sound technologies? | Developing countries | | |
| | 1.) If yes: a.) How and When? b.) What was the impact? c.) How was it measured? 2.) If not: Why not? | | | |