

## **Issue: Biodiversity and Climate Change**

### **Section: Assessment**

#### **Activity 1: Demonstrate the benefits of biological diversity**

**Component 1: demonstrate the benefits of forest biological diversity**

**Component 2: demonstrate the benefits of wetlands**

#### **Activity 2: Identify the effects on biodiversity**

- By 2006, the identification, using agreed common criteria, of all high nature value areas in agricultural ecosystems in the pan European region will be complete: [Kiev Resolution first part of no. 2](#)

**Component 1: identify the effects on biodiversity**

**Component 2: identify the effects on wetlands**

**Component 3: identify the effects on migratory species**

**Component 4: identify the effects on the threat of invasive alien species**

**Component 5: identify the effects on mountain biological diversity**

#### **Activity 3: Assess vulnerability and adaptability**

**Component 1: assess vulnerability of mountain ecosystems**

**Component 2: assess adaptability of species in mountain ecosystems**

**Component 3: assess vulnerability of migratory species**

**Component 4: assess vulnerability of wetland ecosystems**

**Component 5: assess vulnerability of coastal and marine ecosystems**

#### **Activity 4: Conduct technology needs assessment**

#### **Activity 5: Monitor the effects on biological diversity**

- By 2008, a coherent European programme on biodiversity monitoring and reporting, facilitated by the European Biodiversity Monitoring and Indicator Framework, will be operational in the pan European region, in support of nature and biodiversity policies, including by 2006 an agreed core set of biodiversity indicators developed with the active participation of the relevant stakeholders: [Kiev Resolution no. 8](#)
- Ensure that appropriate arrangements are made for monitoring the implementation of the Strategy: [PEBLDS \(no. 1.3\)](#)

## **Activity 6. Assess the impacts of UNFCCC and KP-related activities on biodiversity**

### **Section: Adaptation**

#### **Activity 1. Promote biological diversity in adaptation measures**

- Ensure that Management practices enhance and strengthen the resilience of biological and landscape diversity: [PEBLDS \(no. 1.3\)](#)

#### **Activity 2: Recognize the role of ecosystems in adaptation**

#### **Activity 3. Incorporate recognized values into policies and planning decisions**

#### **Activity 4. Develop adaptation options**

#### **Activity 5: Assess adaptation options**

**Component 1: assess adaptation options in general**

**Component 2: assess adaptation options for protected areas**

**Component 3: assess adaptation options for coastal wetlands**

**Component 4: assess adaptation options for coral reefs**

#### **Activity 6: Maintain or enhance resilience of natural systems**

- By 2008, financial subsidy and incentive schemes for agriculture in the pan European region will take the conservation and sustainable use of biodiversity in consideration: [Kiev Resolution no. 3](#)

**Component 1: maintain resilience of natural systems in general**

- By 2008, all core areas of the Pan-European Ecological Network will be adequately conserved and the Pan European Ecological Network will give guidance to all major national, regional and international land use and planning policies as well as to the operations of relevant economic and financial sectors: [Kiev Resolution no. 5](#)

**Component 2: enhance resilience of marine and coastal zones**

**Component 3: enhance resilience of water resources and agriculture**

**Component 4: enhance resilience of areas affected by drought, desertification and floods**

**Component 5: enhance resilience of wetlands**

**Component 6: enhance resilience of mountain ecosystems**

**Component 7: enhance adaptive capacity of migratory species**

**Component 8: enhance resilience of forest ecosystems**

**Activity 7: Enhance resilience of society**

**Activity 8: Restore degraded ecosystems**

**Activity 9: Minimize adverse effects of adaptation actions on the environment**

- Each Contracting Party undertakes, in its planning and development policies and in its measures against pollution, to have regard to the conservation of wild flora and fauna: [Bern Convention, Article 3 \(2\)](#)

**Activity 10: Integrate adaptation measures into other policies and strategies**

**Section: Communication, education and public awareness**

**Activity 1: Raise awareness**

- Improve information on, and awareness of, biological and landscape diversity issues, and increase public participation in actions to conserve and enhance such diversity: [PEBLDS \(no. 2.2 and 2.5\)](#)

**Activity 2: Develop and implement educational and public awareness programmes**

- By 2008, at least half of the countries in the pan European region are implementing national Communication, Education and Public Awareness action plans, in line with the CBD's Global Initiative on Communication, Education and Public Awareness, in order to communicate biodiversity and landscape policies and to increase multi-stakeholder participation, particularly indigenous and local communities, in their implementation: [Kiev Resolution no. 9](#)

**Activity 3: Develop educational and training materials**

**Activity 4: Strengthen national institutions through training programmes**

**Activity 5: Make information more readily available**

- Decisions relating to the allocation of allowances and the reports of emissions required under the greenhouse gas emissions permit and held by the competent authority shall be made available to the public by that authority subject to the restrictions laid down in Article 3(3) and Article 4 of Directive 2003/4/EC: [EU Directive 2003/87/EC, Article 17](#)

**Activity 6: Share lessons learned**

## **Section Cooperation**

### **Activity 1: Form partnerships**

**Component 1: form partnerships for marine and coastal biological diversity**

**Component 2: form partnerships for mountain biological diversity**

**Component 3: form partnerships for forest biological diversity**

- By 2008, contribute to the implementation in the pan European region of the Forest Biodiversity Expanded Programme of Work of the Convention on Biological Diversity through, *inter alia*: a) Implementation of the objectives and activities of the Framework for Co-operation between the Ministerial Conference on the Protection of Forests in Europe and the Environment for Europe/Pan European Biological and Landscape Diversity Strategy; b) National Forest Programmes according to the MCPFE Approach to National Forest Programmes in Europe (adopted at the Vienna Conference in April 2003); c) Application of the ecosystem approach: [Kiev Resolution no. 1](#)

**Component 4: form partnerships for migratory species**

### **Activity 2: Cooperate in research and systematic observation**

### **Activity 3: Facilitate information exchange**

- The concerned parties shall facilitate the expeditious exchange of scientific information needed to co-ordinate conservation measures; and co-operate with recognized scientists of international organisations to facilitate their work conducted in relation to the Conservation Plan: [MoU on the Siberian Crane, no, 3](#)
- The strategy will facilitate and support the exchange of experience on, and creation or further development of, National Strategies, Action Plans and Programmes as stipulated by the Convention on Biological Diversity, and promote a consistent approach and common objectives in all countries of Europe: [PEBLDS \(no.2.5\)](#)

**Component 1: facilitate information exchange in relation to mitigation and adaptation**

**Component 2: facilitate information exchange on coral reefs**

**Component 3: facilitate information exchange on migratory species**

### **Activity 4: Cooperate in communication, education and public awareness**

### **Activity 5: Coordinate activities**

- By 2006, the Pan-European Ecological Network (core areas, restoration areas, corridors and buffer zones, as appropriate) in all States of the pan European region will be identified and reflected on coherent indicative European maps, as a European contribution towards a global ecological network [Kiev Resolution no. 4](#)
- Agreements should be concluded with third countries listed in Annex B to the Kyoto Protocol which have ratified the Protocol to provide for the mutual recognition of allowances between the Community scheme and other greenhouse gas emissions trading schemes in accordance with the rules set out in Article 300 of the Treaty: [EU Directive 2003/87/EC, Article 25](#)
- Ensure that full use is made of existing legal, administrative and socio-economical mechanisms at the international, national, regional and local level: [PEBLDS \(no. 1.3\)](#)

### **Activity 6: Provide examples of cooperation**

#### **Section Provision of resources**

##### **Activity 1: Support vulnerable countries**

- By 2008, there will be substantially increased public and private financial investments in integrated biodiversity activities in Europe that will take into account the special needs of the countries of Central and Eastern Europe, Caucasus and Central Asia: [Kiev Resolution no. 7](#)

##### **Activity 2: Provide support to projects and activities that take climate change into account**

- Ensure that adequate scientific, technical and financial resources are made available: [PEBLDS, 1.2](#)

##### **Activity 3: Identify capacity-building needs**

##### **Activity 4: Build capacity**

- In accordance with the UNFCCC, the Kyoto Protocol and any subsequent decision adopted for their implementation, the Commission and the Member States shall endeavour to support capacity-building activities in developing countries and countries with economies in transition in order to help them take full advantage of JI and the CDM in a manner that supports their sustainable development strategies and to facilitate the engagement of entities in JI and CDM project development and implementation: [EU Directive 2004/101/EC, Article 21a](#)

#### **Component 1: build capacity for effective mitigation and adaptation activities**

**Component 2: build capacity to address the linkages between climate change and wetlands**

**Component 3: build capacity to address threats to coral reefs**

**Component 4: build capacity to maintain mountain biological diversity**

**Component 5: build capacity to manage protected areas**

**Component 6: build capacity to manage wetlands**

**Activity 5: Ensure sustainability of capacity-building actions**

**Activity 6: Promote technology transfer**

**Section: Legislative measures and national policies**

**Activity 1: Make information available to policymakers**

- The Commission shall adopt guidelines for monitoring and reporting the emission of greenhouse gases resulting from the activities listed in Annex I and ensure that emissions are monitored in accordance with the guidelines. Member States shall also ensure that each operator of an installation reports the emissions from that installation during each calendar year to the competent authority after the end of that year in accordance with the guidelines: [EU Directive 2003/87/EC, Article 14](#)

**Activity 2: Use relevant information in policy-making**

**Activity 3: Formalise impact assessment procedures**

**Activity 4: Incorporate biodiversity and climatic interactions in programmes and policies**

- Integrate biological and landscape diversity conservation in to all sectors that affect such diversity: [PEBLDS \(no. 2.2\)](#)

**Component 1: incorporate climatic factors into national action programmes**

**Component 2: incorporate climate change and biodiversity objectives in relevant plans**

**Component 3: consider climate change in protected areas**

**Component 4: consider climate change in planning and managing wetlands**

**Activity 5: Integrate conservation and wise use policies into responses to climate change**

**Activity 6: Put proper institutional mechanisms in place**

- Member States shall ensure that, from 1 January 2005, no installation undertakes any activity listed in Annex I resulting in emissions specified in relation to that activity unless its operator holds a permit issued by a competent authority: [EU Directive 2003/87/EC, Article 4](#)

#### COMMENTARY

- [EU Directive 2003/87/EC](#) Annex 1 refers to categories of activities that include production and processing of ferrous metals, mineral industry and other industrial activities.

### Section Mitigation

#### Activity 1: Consider biological diversity in climate change mitigation measures

- Each Contracting Party undertakes, in its planning and development policies and in its measures against pollution, to have regard to the conservation of wild flora and fauna: [Bern Convention, Article 3 \(2\)](#)

#### Activity 2: Research on carbon dioxide sequestration technologies

#### Activity 3: Reduce greenhouse gas emissions through sinks or carbon stores

#### Activity 4: Minimize effects of climate change mitigation activities

Component 1: minimize effects – general

Component 2: minimize effects on wetlands

Component 3: minimize effects on migratory species

### Section Economic instruments

#### Activity 1: Provide positive incentives for technology transfer

#### Activity 2: Create an enabling environment for technology transfer

- Member States shall lay down the rules on penalties applicable to infringements of the national provisions adopted pursuant to this Directive and shall take all measures necessary to ensure that such rules are implemented. The penalties provided for must be effective, proportionate and dissuasive. Member States shall notify these provisions to the Commission by 31 December 2003 at the latest, and shall notify it without delay of any subsequent amendment affecting them: [EU Directive 2003/87/EC, Article 16](#)

- The Strategy will use a range of mechanisms in order to change how society thinks and works in relationship to biological diversity including: price support; multilateral or bilateral funds; fiscal policy; and financial policy: [PEBLDS \(no. 2.5\)](#)



European regional treaties drawn on to create this module include:

- Convention on the Conservation of European Wildlife and Natural Habitats (Bern, 1979)
- Kiev Resolution on Biodiversity (2003)
- MOU concerning Conservation Measures for the Siberian Crane
- EU Directive 2003/87/EC (13 October 2003)
- EU Directive 2004/101/EC (27 October 2004)
- Pan-European Biological and Landscape Diversity Strategy (PEBLDS)