

## **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 identify, using agreed common criteria, all high nature value areas in agricultural ecosystems in the pan European region: [Kiev Resolution first part of no. 2](#)

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

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

- Parties to address climate change in so far as it is regarded as likely to bring about significant change in the ecological character of wetlands and affect the behaviour of migrating waterbirds: [AEWA Resolution 3.17](#)

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

- Assess the effects of changing climate on migratory waterbirds, review implications of modelled future patterns of climate change on waterbirds, outline possible means of adaptation to these changes, and report conclusions to a future Meeting of the Parties: [AEWA Resolution 3.17](#)
- Identify species vulnerable to the consequences of a changing climate, and identify measures that may help to maintain such populations: [AEWA Resolution 3.17](#)

**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**

- Undertake and publish joint assessments of the quality status of the marine environment and of its development: [OSPAR Convention 1992, Article 6](#)
- To assess the suitability of an offshore wind farm location with respect to the biological features to be protected, the relevant basic information (e.g. spatial distribution and temporal variability) should be available for benthos, fish, and mammals as well as resting and migratory birds: [OSPAR BDC Meeting Bonn Feb 05 \(no. 7\)](#)

**Activity 4: Conduct technology needs assessment**

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

- By 2008, operationalise a coherent European programme on biodiversity monitoring and reporting, including by 2006 an agreed core set of biodiversity indicators: [Kiev Resolution no. 8](#)
- Ensure appropriate arrangements 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 consider the conservation and sustainable use of biodiversity: [Kiev Resolution no. 3](#)

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

- By 2008, core areas of the Pan-European Ecological Network conserved and the Pan European Ecological Network guiding all major land use and planning policies and 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 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 should be implementing national Communication, Education and Public Awareness action plans in order to communicate biodiversity and landscape policies and to increase multi-stakeholder participation: [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**

- Public access to decisions relating to the allocation of allowances and the reports of emissions required under the greenhouse gas emissions permit: [EU Directive 2003/87/EC, Article 17](#)
- Competent authorities to make information of the state of the maritime area available in written, visual, aural or data-base form: [OSPAR Convention 1992, Article 9](#)

### **Activity 6: Share lessons learned**

## **Section Cooperation**

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

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

- Establish complementary or joint programmes of scientific or technical research: [OSPAR Convention 1992, Article 8](#)

**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: [Kiev Resolution no. 1](#)

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

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

**Activity 3: Facilitate information exchange**

- Facilitate the expeditious exchange of scientific information needed to co-ordinate conservation measures; and co-operate with recognized scientists of international organisations: [MoU on the Siberian Crane, no. 3](#)
- Facilitate and support the exchange of experience on, and creation or further development of, National Strategies, Action Plans and Programmes and promote a consistent approach and common objectives in 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, identify the Pan-European Ecological Network on coherent indicative maps as a European contribution towards a global ecological network [Kiev Resolution no. 4](#)
- Agreements concluded with third countries 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: [EU Directive 2003/87/EC, Article 25](#)

- Ensure full use 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, substantially increase public and private financial investments in integrated biodiversity activities in Europe: [Kiev Resolution no. 7](#)

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

- Ensure availability of adequate scientific, technical and financial resources: [PEBLDS, 1.2](#)

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

**Activity 4: Build capacity**

- Support capacity-building activities in developing countries and countries with economies in transition to help them take full advantage of JI and the CDM in a manner that supports their sustainable development strategies and facilitates 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**

- EU Commission to adopt guidelines for monitoring and reporting the emission of greenhouse gases and ensure that emissions are monitored accordingly; Member States to ensure that operators report annually on installation emissions: [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**

- Include relevant actions related to climate change impacts and adaptation in the Agreement's Action Plan: [AEWA Resolution 3.17](#)

#### **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 to include relevant actions related to climate change impacts and adaptation in the Agreement's Action Plan to ensure that, from 2005, no installation undertakes any activity resulting in emissions specified in relation to that activity without a permit: [EU Directive 2003/87/EC, Article 4](#)

#### **COMMENTARY**

- [EU Directive 2003/87/EC](#) Annex 1 covers the 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 Party undertakes, in its planning and development policies and in its measures against pollution, 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: [EU Directive 2003/87/EC, Article 16](#)
- The Strategy will use a range of mechanisms 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 \(no. 2.5\)](#)