

# UNEP PUBLICATIONS

July - December 2022



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# Chemicals and Pollution Action

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## **Air Quality in Bishkek: Assessment of Emission Sources and Road map for Supporting Air Quality Management**

This report focuses on presenting the scientific background of air quality in Bishkek based on data analysis of available air quality monitoring data from Bishkek, and using this evidence base, presents a roadmap including the actions and proposed measures towards cleaner air for the city. Data analysed includes the KyrgyzHydromet and US Embassy Air Quality Stations, available air quality sensor data and satellite data.

<https://wedocs.unep.org/20.500.11822/41090>

**Type:** Reports, Books and Booklets  
English; Kyrgyz; Russian

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## **An Eye on Methane: International Methane Emissions Observatory 2022 Report**

Cutting methane emissions is the fastest way to tackle climate change in the short-term, as it remains in the atmosphere for far fewer years than carbon dioxide. It is for this reason that many nations have joined a global pledge to cut 30 per cent off methane emissions by 2030. This second report of UNEP's International Methane Emissions Observatory (IMEO) looks at the essential role the fossil fuel industry must play in taking immediate and strong action on methane to meet this goal.

<https://wedocs.unep.org/20.500.11822/40864>

**Type:** Reports, Books and Booklets  
English

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## **COVID-19: A Warning - Addressing Environmental Threats and the Risk of Future Pandemics in Asia and the Pacific**

This scientific review begins with the history of humans and zoonoses and provides clarity on the issues of zoonoses and emerging infectious diseases. It then presents the seven anthropogenic drivers of zoonotic disease emergence as well as the concept of viral mixing.

<https://wedocs.unep.org/20.500.11822/40871>

**Type:** Reports, Books and Booklets  
English

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## **End Plastic Pollution: A Knowledge Compendium for Less Plastic Waste in South-East Asia**

The compendium supports the project's objective of bringing the learnings and experiences of SEA circular together into a solutions report that highlights case studies, pilot reports and relevant learnings to share progress, advocate for and bolster actors that are initiating, replicating or scaling up circularity initiatives in the plastic value chain.

<https://wedocs.unep.org/20.500.11822/41481>

**Type:** Reports, Books and Booklets  
English

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## **Global Methane Assessment: 2030 Baseline Report**

The objectives of this Report include a more complete characterization of future baseline emissions, as well as easing comparison of GMA conclusions, which are communicated against approximate baseline emission levels in 2030, against the GMP target, which is set against 2020 emissions levels.

<https://wedocs.unep.org/20.500.11822/41107>

**Type:** Reports, Books and Booklets  
English

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### **Greening the Blue Report 2022: The UN System's Environmental Footprint and Efforts to Reduce It**

The 2022 edition of the Report covers data for 2021 on environmental impacts, including greenhouse gas emissions, waste, water and air pollution, as well as management functions such as environmental governance, procurement and human resources.

<https://wedocs.unep.org/20.500.11822/41373>

**Type:** Reports, Books and Booklets  
English

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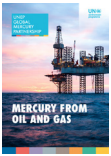
### **Integrated Assessment of Air Pollution and Climate Change for Sustainable Development in Africa - Summary for Decision Makers**

This document examines the role that short-lived climate pollutants (SLCPs; see Box S1.), greenhouse gases (GHGs), and other polluting emissions play in sustainable development. It analyzes strategies, policies, and measures to mitigate these pollutants while supporting development and human health and wellbeing in Africa as the continent adapts to climate change and pursues its sustainable development objectives over the next four decades.

<https://wedocs.unep.org/20.500.11822/41223>

**Type:** Briefs, Summaries, Policies and Strategies  
English; French

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### **Mercury from Oil and Gas - UNEP Global Mercury Partnership Study Report**

The report, aims to present a compilation of available knowledge on the life cycle of mercury in crude oil and natural gas, to better understand the behaviour and emission and release pathways of mercury, particularly during the extraction, processing, management and waste disposal stages, and to illustrate various technologies for controlling the releases.

<https://wedocs.unep.org/20.500.11822/41126>

**Type:** Reports, Books and Booklets  
English

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### **One Health Joint Action Plan of Action (2022-2026): Working together for the Health of Humans, Animals, Plants and the Environment**

The scope of the OH JPA is guided by the imperative for an inclusive One Health approach to addressing the health threats of humans, animals and plants in an integrated manner, while promoting environment and biodiversity protection and acknowledging the broader systems benefits of cross-sectoral collaboration to achieve collective outcomes.

<https://wedocs.unep.org/20.500.11822/40843>

**Type:** Reports, Books and Booklets  
English

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### **The Environmental Impact of the Conflict in Ukraine: A Preliminary Review**

The report presents a snapshot – but by no means a comprehensive picture – of the damage inflicted on Ukraine's environment and the potential environmental and public health impacts, informing priorities for field-level verification work. Initial information shows that Ukraine, already burdened by a host of legacy environmental challenges, is now facing a compounded, multi-dimensional environmental crisis that has either exacerbated existing issues or added new ones.

<https://wedocs.unep.org/20.500.11822/40746>

**Type:** Reports, Books and Booklets  
English

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# Climate Action

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## **Adaptation Gap Report 2022: Too Little, Too Slow - Climate Adaptation Failure Puts World at Risk**

This report finds that global efforts in adaptation planning, financing and implementation are increasing incrementally. However, they are not keeping pace with increasing climate risks.

<https://wedocs.unep.org/20.500.11822/41078>

**Type:** Reports, Books and Booklets  
English

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## **Addressing Climate-related Security Risks: Conflict Sensitivity for Climate Change Adaptation and Sustainable Livelihoods - Guidance Note**

This guidance note supports the development of strategies, policies, and projects that seek to increase resilience by linking climate change adaptation, peacebuilding, and sustainable livelihoods.

<https://wedocs.unep.org/20.500.11822/40330>

**Type:** Manuals, Guides and Toolkits  
English

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## **Adopting a Human Rights-based Approach to Ecosystem-based Adaptation: A Contribution to Sustainable Development**

This publication examines the potential of Ecosystem-based Adaptation – the use of nature-based solutions to build climate resilience – to meet sustainable development and human rights-based goals, drawing out lessons from UNEP’s experience to enhance and scale up EbA implementation.

<https://wedocs.unep.org/20.500.11822/41325>

**Type:** Reports, Books and Booklets  
English

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## **Advancing Delivery on Decarbonisation Targets: The Second Progress report of the Net-zero Asset Owner Alliance**

The abiding message of this report is that a net-zero future remains possible. However, success depends on practical action, at scale, and urgently. Case studies from Allianz, Danica Partners, Dai-ichi Life, CalPERS, and Swiss Re demonstrate what is already being achieved. More must follow.

<https://wedocs.unep.org/20.500.11822/40662>

**Type:** Reports, Books and Booklets  
English

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## **Emissions Gap Report 2022: The Closing Window - Climate Crisis Calls for Rapid Transformation of Societies**

This thirteenth edition of the Emissions Gap Report is a testimony to inaction on the global climate crisis. In just eight years, global GHG emissions must be reduced by 30 to 45 per cent compared to where they are headed under policies currently in place to get on track to limiting global warming to well below 2.0°C and 1.5°C respectively. Commitments by countries as expressed in their latest unconditional and conditional nationally determined contributions (NDCs) for 2030 will only reduce global emissions by 5 to 10 per cent, assuming that they are fully implemented. The report looks at transformations required in electricity supply, industry, transport, buildings, food systems and the financial system.

<https://wedocs.unep.org/20.500.11822/40874>

**Type:** Reports, Books and Booklets  
English

### **Executive Summary**

<https://wedocs.unep.org/20.500.11822/40932>

**Type:** Briefs, Summaries, Policies and Strategies  
English; Arabic; Chinese; French; Russian; Spanish

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### **Harnessing Nature to Build Climate Resilience: Scaling Up the Use of Ecosystem-based Adaptation**

The aim of this report is to highlight the opportunities for scaling up the use of EbA to help put the world on a more climate-resilient and nature-positive pathway. The report assesses: - The role of EbA in helping society adapt to climate change, while also contributing to biodiversity conservation, climate mitigation and sustainable development; - Current state and trends in EbA implementation; and - Barriers that are currently slowing the widespread application of EbA in policy and practice.

<https://wedocs.unep.org/20.500.11822/40313>

**Type:** Reports, Books and Booklets  
English

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### **Making Good on the Glasgow Climate Pact: A Call to Action to Achieve One Gigaton of Emissions Reductions from Forests by 2025**

Although forests are widely recognized for their contributions to climate change mitigation, commitments and pledges to protect them need to be translated into action. Adequate finance and incentives for forest countries to act before it is too late are essential. A milestone to help track progress towards turning commitments into action and finance is needed to help ensure that 2030 goals remain within reach.

<https://wedocs.unep.org/20.500.11822/41131>

**Type:** Reports, Books and Booklets  
English

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# Environmental Governance

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## **Environmental Courts and Tribunals – 2021: A Guide for Policy Makers**

This UNEP 2021 ECT Guide is designed to provide an overview for policymakers, judges, academics, and stakeholders who are interested in improving the adjudication of environmental disputes. It identifies features of ECTs, describes good practices and provides road maps for institution-building to support the achievement of the United Nations Sustainable Development Goals, particularly Sustainable Development Goal 16 “Peace, Justice and Strong Institutions”, which seeks to promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.

<https://wedocs.unep.org/20.500.11822/40309>

**Type:** Manuals, Guides and Toolkits  
English

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## **Gender Mainstreaming in the Montreal Protocol: Experiences in Latin America and the Caribbean**

This publication contextualizes the international legal framework and the instruments available regarding rights, gender and equality aspects, in order to give visibility to the actions, good practices and progress achieved in a non-exhaustive group of countries of the region.

<https://wedocs.unep.org/20.500.11822/41093>

**Type:** Reports, Books and Booklets  
English; Spanish

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## **Quarterly Report to the 159th Meeting of the Committee of Permanent Representatives - Fifteenth Issue April–June 2022**

<https://wedocs.unep.org/20.500.11822/40619>

**Type:** Programme Planning and Reporting  
English

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## **Quarterly Report to the 160th Meeting of the Committee of Permanent Representatives July – September 2022 (Advance Unedited Version – as at 17 November 2022)**

<https://wedocs.unep.org/20.500.11822/41244>

**Type:** Programme Planning and Reporting  
English

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## **Strengthening the Environmental Dimension of the Voluntary National Reviews in Asia-Pacific: Lessons Learned and Ways Forward**

<https://wedocs.unep.org/20.500.11822/41430>

**Type:** Reports, Books and Booklets  
English

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# Finance and Economic Transformations

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## **2022 Global Status Report for Buildings and Construction: Towards a Zeroemission, Efficient and Resilient Buildings and Construction Sector**

Decarbonizing the buildings sector by 2050 is critical to delivering these emission cuts – and to addressing the wider triple planetary crisis of climate change, nature and biodiversity loss, and pollution and waste. However, as the 2022 Buildings Global Status Report shows, the sector is not making the deep systemic changes needed to get on the path to this goal. By following the recommendations in this report, the sector can catch up and create buildings that are zero-carbon, resource efficient and resilient.

<https://wedocs.unep.org/20.500.11822/41133>

**Type:** Reports, Books and Booklets  
English

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## **Decent Work in Nature-based Solutions - A Biennial Global Report on Work and Employment in the Emerging Nature Conservation and Restoration Economy**

This report is the first in a joint global biennial report series that aims to fill knowledge and advocacy gaps on how transitions to a green economy will affect the world of work, and of the role that NbS can and do play in creating employment, especially for the poorest and most vulnerable people.

<https://wedocs.unep.org/20.500.11822/41401>

**Type:** Reports, Books and Booklets  
English

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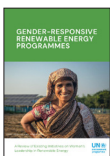
## **Europe's Environment: The Seventh Pan-European Environmental Assessment**

The seventh pan-European environmental assessment gives an insight into the progress achieved in environmental protection, a cornerstone of life and human health, but also highlights the numerous challenges that need to be tackled by the whole of society.

<https://wedocs.unep.org/20.500.11822/40733>

**Type:** Reports, Books and Booklets  
English

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## **Gender-Responsive Renewable Energy Programmes: A Review of Existing Initiatives on Women's Leadership in Renewable Energy**

The purpose of this review is to: a) Present relevant information on various gender-responsive renewable energy projects and programme interventions, that have already been implemented in different geographic contexts; b) Identify critical policy and programme design options and understand which issues must be addressed for effective policymaking around gender and renewable energy at the national and local level; and c) Provide concrete advice and entry points to government stakeholders, policymakers, energy sector agencies, energy practitioners, civil society groups as well as, development organizations and financing institutions on how to advance their work on gender-responsive renewable energy programmes.

<https://wedocs.unep.org/20.500.11822/40742>

**Type:** Reports, Books and Booklets  
English

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## **Is Natural Gas a Good Investment for Latin America and the Caribbean? From Economic to Employment and Climate Impacts of the Power Sector**

This report reveals that an expansion of renewable energy in the power sector in Latin America and the Caribbean instead of continuing a fossil fuel path, including natural gas, would be by far the best choice. The region would perceive further benefits in terms of costs, jobs, and greenhouse gas emission reductions, and therefore to meet the goals of the Paris Agreement on Climate Change.

<https://wedocs.unep.org/20.500.11822/40923>

**Type:** Reports, Books and Booklets  
English

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### **Mapping Environmental Risks and Socio-Economic Benefits of Planned Transport Infrastructure: A Global Picture**

This study aims to produce a foundational, globally consistent assessment of the risks and benefits to people and the nature of currently planned, large-scale road and rail transport infrastructure projects.

<https://wedocs.unep.org/20.500.11822/41376>

**Type:** Reports, Books and Booklets  
English

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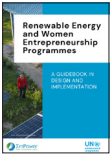
### **Net Zero Carbon Scenarios for the Energy Sector in West Asia**

This publication tries to answer the following questions: i) What can the mitigation actions defined in the Nationally Determined Contributions (NDCs), Economic Diversification Plans and green growth strategies of countries in West Asia achieve in terms of CO<sub>2</sub> emissions reductions from the business-as-usual scenario? ii) What are the key technologies that will help mitigate CO<sub>2</sub> emissions within the three key sectors of energy, transport and industry, and how much can each sector contribute? iii) What are the impacts of mitigation actions in terms of employment and investments in the region?

<https://wedocs.unep.org/20.500.11822/41153>

**Type:** Reports, Books and Booklets  
English

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### **Renewable Energy and Women Entrepreneurship Programmes: A Guidebook in Design and Implementation**

This guidebook will attempt to highlight the essential factors that need to be incorporated in setting up a women's renewable energy-based enterprise in rural areas. This includes two different types of RE enterprises: RE for Enterprise: Using renewable energy for livelihood options, and RE as Enterprise: Selling RE products and services. It serves as a user-friendly tool for project developers who are planning to implement both type of projects and for donors interested in funding the same.

<https://wedocs.unep.org/20.500.11822/40666>

**Type:** Manuals, Guides and Toolkits  
English

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### **Single-use Supermarket Food Packaging and its Alternatives: Recommendations from Life Cycle Assessments**

This report compares the environmental impacts of single-use plastic packaging versus alternative options for supermarket food, intended for home consumption. The report is part of a series of meta-analyses of Life cycle assessment (LCA) studies that provides recommendations to policy makers on alternatives to commonly used single-use plastic products.

<https://wedocs.unep.org/20.500.11822/41543>

**Type:** Reports, Books and Booklets  
English

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### **Communication to Combat Forest Crime in the Lower Mekong and in China: A Handbook Based on the Findings of the Knowledge, Attitude, Practices Survey on Illegal Logging and Illegal Forest Trade in the Lower Mekong and in China**

The Lower Mekong region's forests are important carbon sinks and are crucial in the fight against climate change. The five Lower Mekong region countries are presently facing serious levels of forest degradation and deforestation. Stopping forest crime in the Lower Mekong is an urgent issue which will determine the future of the region's biodiversity and socio-economic well-being.

<https://wedocs.unep.org/20.500.11822/40786>

**Type:** Manuals, Guides and Toolkits  
English

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# Nature Action

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## **Global Peatlands Assessment: The State of the World's Peatlands - Evidence for Action toward the Conservation, Restoration, and Sustainable Management of Peatlands**

The goal of this assessment is to inform and inspire action in policy, research and practice that can help to protect, restore and sustainably manage peatlands now and long into the future. It provides a global overview of the current state, extent, governance and contributions to people of peatlands and of the drivers of peatland ecosystem change.

<https://wedocs.unep.org/20.500.11822/41222>

**Type:** Reports, Books and Booklets  
English

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## **Global Peatlands Assessment: The State of the World's Peatlands - Evidence for Action toward the Conservation, Restoration, and Sustainable Management of Peatlands - Summary for Policy Makers**

The goal of this assessment is to inform and inspire action in policy, research and practice that can help to protect, restore and sustainably manage peatlands now and long into the future. It provides a global overview of the current state, extent, governance and contributions to people of peatlands and of the drivers of peatland ecosystem change.

<https://wedocs.unep.org/20.500.11822/41236>

**Type:** Briefs, Summaries, Policies and Strategies  
English

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## **Nature-based Solutions: Opportunities and Challenges for Scaling Up**

This report aims to inform NbS-related initiatives and discussions on NbS at global, regional, and national levels, with a focus on how NbS can be scaled up to more effectively address social, economic, and environmental challenges.

<https://wedocs.unep.org/20.500.11822/40783>

**Type:** Reports, Books and Booklets  
English

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## **Sports for Nature: Setting a Baseline – Handbook**

The handbook demonstrates how sport has the potential to be a critical partner for change. It highlights the urgency and dependency of sport on nature, demonstrating the opportunities already underway – with guidance and case studies to inspire and innovate.

<https://wedocs.unep.org/20.500.11822/41095>

**Type:** Manuals, Guides and Toolkits  
English; French; Spanish

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## **State of Finance for Nature 2022 - Time to Act: Doubling Investment by 2025 and Eliminating Nature-negative Finance Flows**

This report i) expands analysis of capital flows to include marine nature-based solutions; ii) estimates the investment in NbS needed to limit climate change to below 1.5°C (in addition to the 2°C target), given the enormous impact this has on nature and people; iii) quantifies public nature-negative capital flows to put into context capital flows to NbS; and iv) estimates the benefits of investing in NbS to demonstrate to politicians, business and finance leaders that nature is a large part of the solution to global crises.

<https://wedocs.unep.org/20.500.11822/41333>

**Type:** Reports, Books and Booklets  
English

### **Executive Summary**

<https://wedocs.unep.org/20.500.11822/41335>

**Type:** Briefs, Summaries, Policies and Strategies  
English

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### **Water Quality Monitoring and Assessment of Groundwater - Technical Guidance Document**

This document is part of a series of guidebooks that address various aspects of monitoring and assessment of freshwater. It describes the main features of groundwater that govern its quantity, availability and chemical quality. Understanding these features assists in the development of a monitoring programme that will provide information for management and sustainable use.

<https://wedocs.unep.org/20.500.11822/40414>

**Type:** Manuals, Guides and Toolkits  
English

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