



IPBES REPORT: ENVIRONMENT

NEWS: Climate change and biodiversity loss are connected: Key takeaways from NEXUS report

WHAT'S IN THE NEWS?

The IPBES report highlights the interconnectedness of climate change, biodiversity loss, and global challenges like hunger and health risks, emphasizing the need for integrated solutions. It calls for transformative changes in economic systems to protect nature, ensure sustainability, and drive economic growth.

Interlinked Global Challenges: Climate, Biodiversity, and Hunger

1. Nexus of Challenges

- Climate change, biodiversity loss, hunger, water scarcity, and health risks are interconnected.
- Tackling them in isolation is ineffective and counterproductive.
- Harmful economic activities impose unaccounted costs of \$10-25 trillion annually on biodiversity and health.

2. Role of IPBES (Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services)

- Established in 2012, akin to the IPCC but focused on biodiversity.
- Informs global agreements like the Kunming-Montreal Global Biodiversity Framework (30% ecosystem protection by 2030).
- Highlights the economic value of biodiversity in policy decisions.

3. IPBES Nexus Report Insights

- Identifies over 70 synergistic measures, e.g., restoring carbon-rich ecosystems and nature-based solutions.
- Warns against actions that harm biodiversity, e.g., increasing food production at its expense.
- Calls for harmonized responses to ensure sustainable and inclusive benefits.

4. Economic Impact of Biodiversity Decline

- Over half of global GDP depends on nature; biodiversity loss (2-6% per decade) threatens economic stability.
- Transforming current systems could yield \$10 trillion in opportunities and 400 million jobs by 2030.



SOME CRITICAL NUMBERS



Plants are seen in a burned forest in Bolivia in September 2019. *Reuters*

2-6%

is the decadal decline in biodiversity over the last 30-50 years

MORE THAN 50% of the global population lives in areas worst impacted by biodiversity decline, increased health risks, water and food availability, and climate change

\$58 TRILLION is the value of economic activities dependent on nature (in 2023)

UP TO \$1 TRILLION is the annual financing gap for biodiversity restoration needs

\$100-300 BILLION is the annual value of illegal resource extraction in forests, wildlife and marine trade

5. Transformative Change Report

- Advocates a paradigm shift prioritizing equity, justice, and adaptive learning.
- Calls for immediate action to reverse ecological decline and ensure sustainable economic growth.

Source: <https://indianexpress.com/article/explained/explained-climate/nexus-report-ipbes-9732764/>

SINCE 2006