

Research needs expressed in the Decisions of the Conference of the Parties to the Convention on Biological Diversity: Cross-Cutting Issue: Health and Biodiversity

All human health ultimately depends on ecosystem services that are made possible by biodiversity and the products derived from them. While the inter-linkages between biodiversity, ecosystem services and human health are inherently complex, inter-disciplinary research is aiming to develop a more thorough understanding of these essential relationships (<http://www.cbd.int/en/health>).

The cited Decisions that express research needs are XII/21, XIII/6 and XIV/4, also checked were VI/5, VI/9, VI/10, VI/15, VI/23, VI/24, VII/4, VII/12, VII/13, VII/14, VII/16, VII/30, VII/31, VII/32, VIII/1, VIII/15, VIII/22, VIII/23, VIII/25, VIII/28, VIII/30, IX/1, IX/4, IX/13, IX/27, IX/31, X/1, X/2, X/17, X/20, X/22, X/28, X/32 and XI/6.

Direct research needs

| Decision | Paragraph | Chapeau / Heading | Text | Source http://www.cbd.int/decisions/ |
|----------|-----------|--------------------------------------|--|---|
| XII/21 | Para 9 | COP requests the Executive Secretary | g) In cooperation with relevant international scientific programmes, to promote further research on the relationship between biodiversity and disease outbreak ; | doc/?meeting=cop-12 |
| XIII/6 | Para 4 | The Conference of the Parties | <i>Invites</i> Parties, other Governments and relevant organizations e) to address, monitor and evaluate any unintended and undesirable negative impacts of biodiversity interventions on health and of health interventions on biodiversity; g) to develop interdisciplinary education, training, capacity-building and research programmes on health-biodiversity linkages, using integrative approaches, at various levels and different spatial and temporal scales, and communities of practice on biodiversity and health; | decisions/cop/?m=cop-13 |
| XIII/6 | Para 5 | The Conference of the Parties | <i>Encourages</i> Parties, other Governments and relevant organizations a) To develop integrated metrics, indicators and tools to facilitate the analysis, evaluation, monitoring and integration of biodiversity into health strategies, plans and programmes and vice-versa; | decisions/cop/?m=cop-13 |
| XIII/6 | Para 6 | The Conference of the Parties | <i>Also encourages</i> Parties, other Governments, relevant organizations and funding agencies to promote and support further research on health-biodiversity linkages and related socioeconomic considerations, | decisions/cop/?m=cop-13 |

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| | | | <p>including, inter alia, on the following issues:</p> <p>a) The relationships between biodiversity, ecosystem degradation and infectious disease emergence, including the effects of ecological community structure and composition, habitat disturbance and human-wildlife contact, and the implications for land use and ecosystem management;</p> <p>b) The interlinkages between dietary diversity, health and diversity of crops, livestock and other components of biodiversity in agricultural ecosystems, as well as marine and inland water ecosystems;</p> <p>c) The linkages between the composition and diversity of the human microbiome, and biodiversity in the environment, and implications for the planning, design, development and management of human settlements;</p> <p>d) The significance for health of marine biodiversity, including for food security, and the consequences of multiple stressors on marine ecosystems (including pathogens, chemicals, climate change and habitat degradation);</p> <p>e) The contribution of biodiversity and the natural environment, including protected areas, in promoting mental and physical health, particularly in urban areas;</p> <p>f) The significance of soil biodiversity for health;</p> <p>g) Linkages between migratory species and their corridors and human health;</p> <p>h) Linkages between invasive alien species and human health;</p> | |
| XIV/4 | Para 13 | The Conference of the Parties | <p><i>Invites... partners</i></p> <p>a) To develop integrated science-based indicators, metrics and progress measurements tools on biodiversity and health.</p> | decisions/cop/?m=cop-14 |

Indirect research needs

| Decision | Paragraph | Chapeau / Heading | Text | Source |
|----------|-----------|-------------------|------|---|
| | | | | http://www.cbd.int/decisions/ |