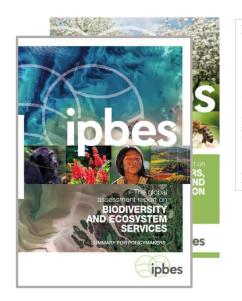




COP decisions 13/29 and 14/35 – GBO-5 should provide:

- ❖ A report on progress to Aichi Biodiversity Targets, and contributions to the SDGs;
- ❖ A basis for post-2020 global biodiversity framework GBO-5 should draw upon, 6th National Reports, IPBES GA etc.







167 National Reports and 170 NBSAPs analysed

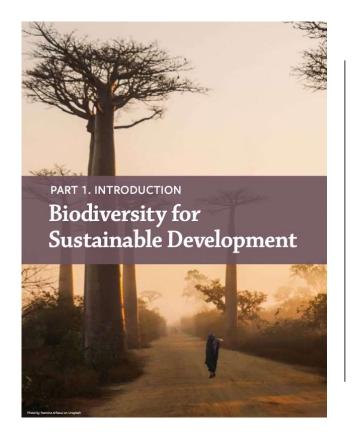
93 References to national reports from 59 Parties

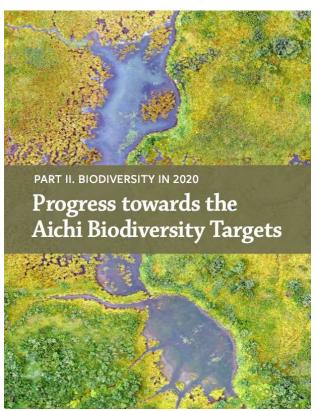
675 Citations to academic literature and technical reports

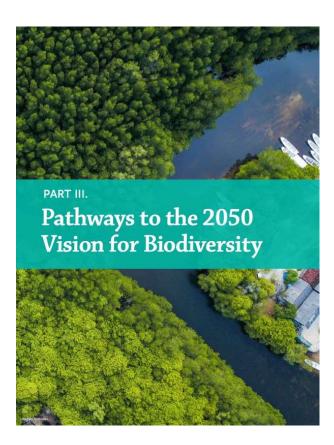
50 Indicators; Focus on trends 2000-2020

926 Comments on the first draft



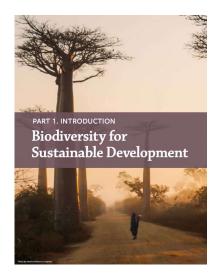








Biodiversity for Sustainable Development



Biodiversity → SDG



Supports

Loss Jeopardizes

$SDG \rightarrow Biodiversity$

Contributing

V Enabling

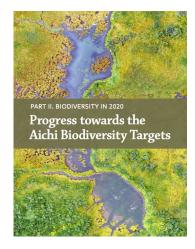
Constraining

DG	Aichi Biodiversity Target	Biodiversity's impact on the SDG	SDG's impact on biodiversity
ti.t	/ ₁₈	+!	∇
ů.		+!	$\blacktriangle \nabla \bigcirc$
₩.		+!	∇
			∇
 ©			∇
q	14	+!	$\blacktriangle \nabla$
•		4	A 0
M			∇
ŧ.		4	∇
			∇
		+!	A
ö			
•		+!	A 0
-		+1	A
Ī	17 12 15 16	+!	A
7			∇
9	19 20		∇

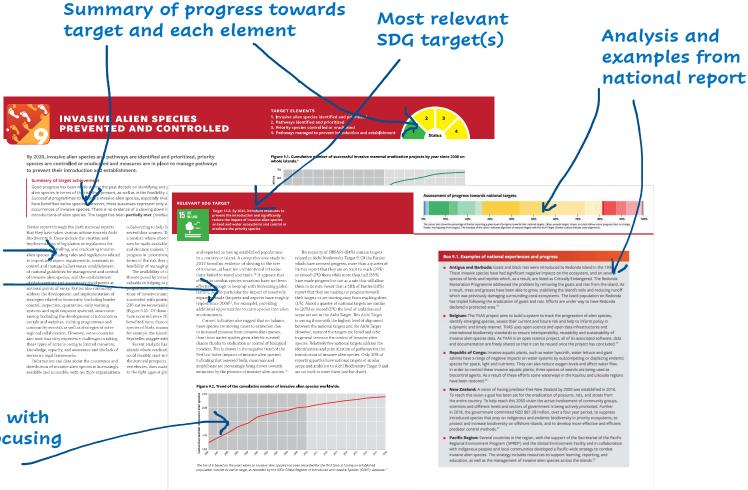


PART II. BIODIVERSITY IN 2020

Progress towards the Aichi Biodiversity Targets

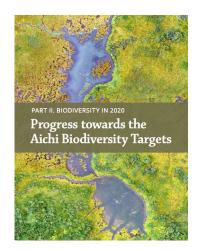


For each Aichi Biodiversity Target:



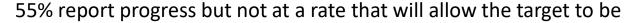
Narrative based on national reports and scientific literature

Indicator based charts with data since 2000 and focusing on changes since 2010



2% Parties report that they will exceed national targets

24% Parties report that they are on track to reach national targets



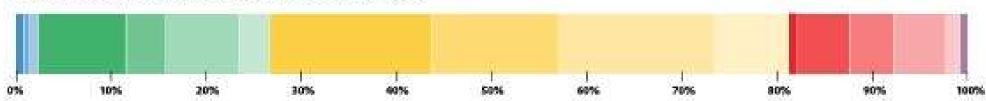
18% report that they are making no progress towards their targets

1% report they are moving away from the target

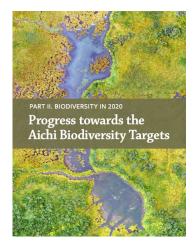
About a quarter of national targets are similar to (26%) or exceed (1%) the level of ambition and scope set out in the Aichi Target.

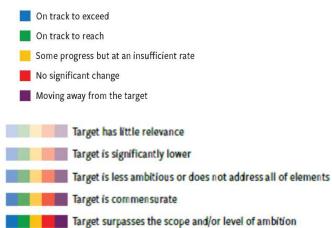
Only 10% of reporting parties have national targets of similar scope and ambition to Aichi Biodiversity Target 9 and are on track to meet them

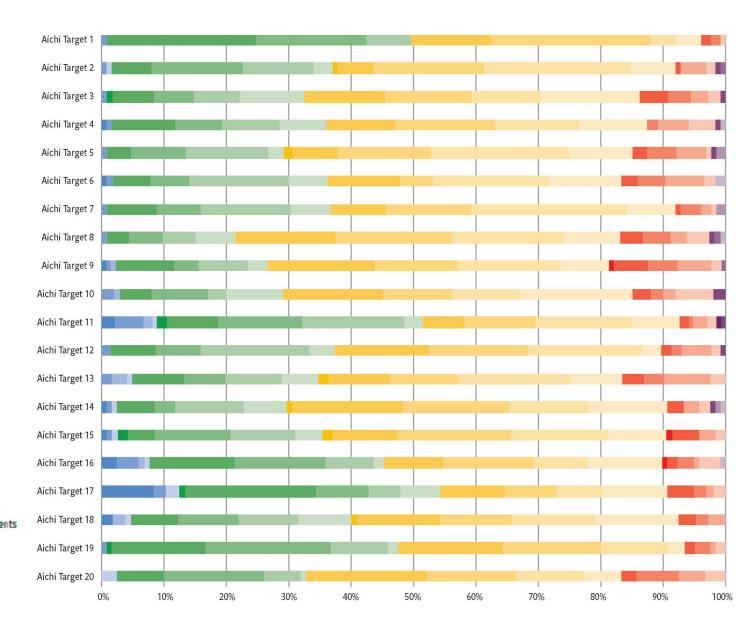
Assessment of progress towards national targets



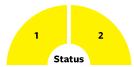
The colour bars show the percentage of Parties reporting a given level of progress towards their national targets. (Blue: exceeds target; Green: on track, Yellow: some progress; Red: no change; Purple: moving away from target). The intensity of the colour indicates alignment of national targets with the Aichi Target (Darker colours indicate class alignment).



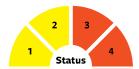


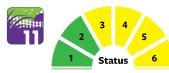






















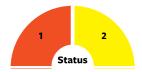




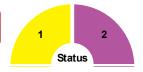




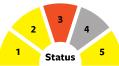




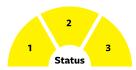




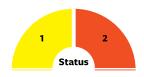




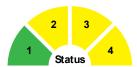








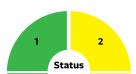








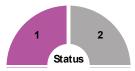














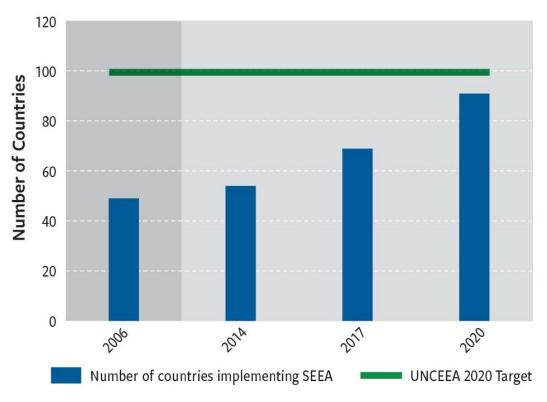






Success Stories relating to the underlying causes of biodiversity loss (Goal A):

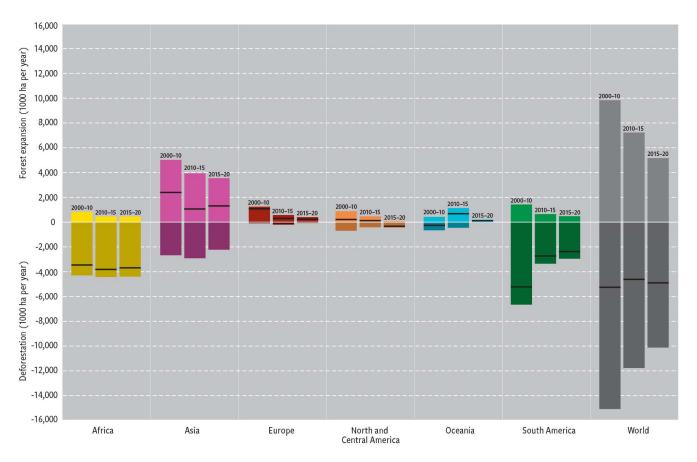
Almost 100 countries have incorporated biodiversity values into national accounting systems





Success Stories Relating to the direct pressures on biodiversity (Goal B):

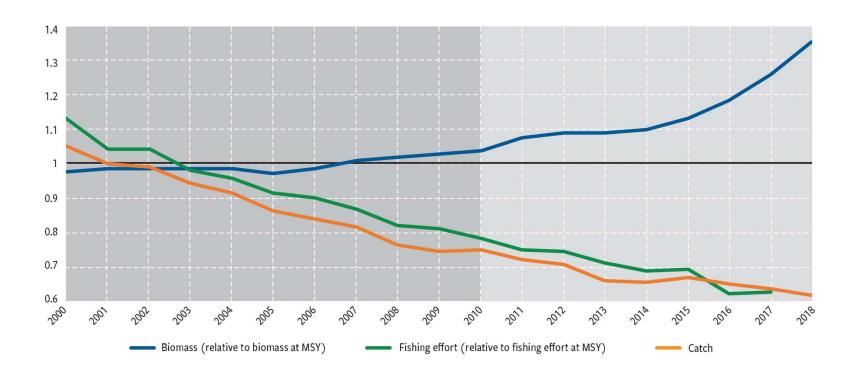
• The rate of deforestation has fallen globally by about a third compared to the previous decade





Success Stories Relating to the direct pressures on biodiversity (Goal B):

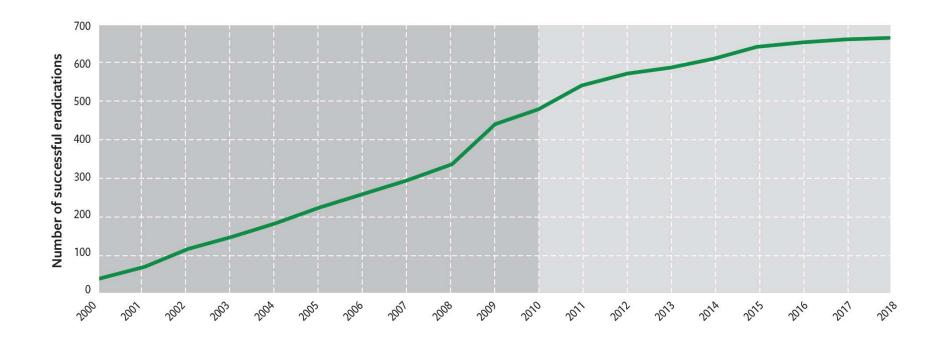
• <u>In about half of fisheries</u>, where good management policies have been introduced, involving stock assessments, catch limits, and enforcement, the abundance of marine fish stocks has been maintained or rebuilt





Success Stories Relating to the direct pressures on biodiversity (Goal B):

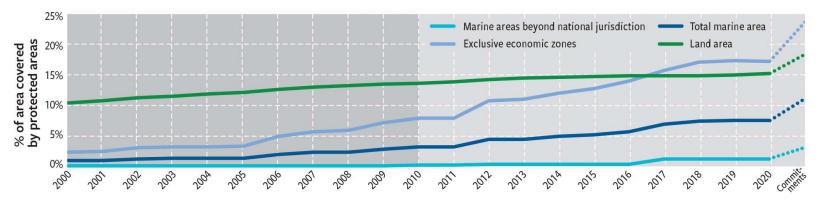
 There have been an increasing number of successful cases of eradication of invasive alien species from islands, and of the targeting of priority species and pathways to avoid future invasive species introductions





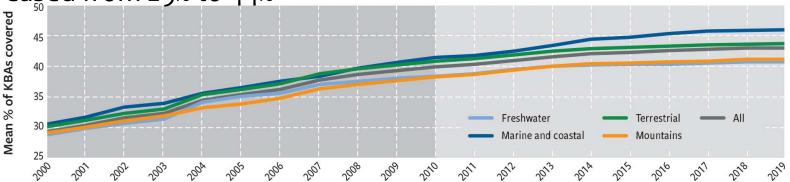
Relating to the status of biodiversity (Goal C):

Protected area, increasing from about 10% to at least 15% terrestrially, and from about 3% to at least 7% in marine areas.



The protection of areas of particular importance for biodiversity (KBAs)

has increased from 29% to 44%





Relating to the status of biodiversity (Goal C):

Conservation actions are estimated to have prevented between 28 and 48 bird and mammal species from going extinct since 1993 (when the CBD came into force), including between 11 and 25 since 2010.

Conservation actions include:

- protected areas,
- hunting restrictions,
- control of invasive alien species,
- ex situ conservation &
- re-introduction.

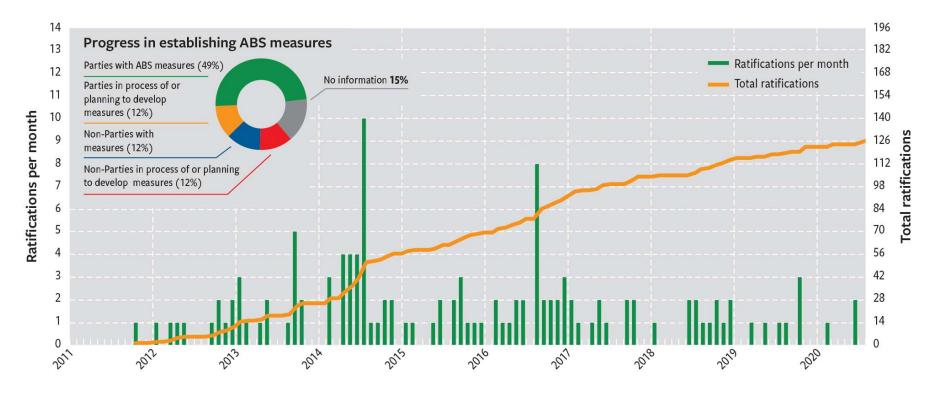
Without such actions, extinctions of birds and mammals in the past decade would likely have been two to four times higher.



© Joel Sartore/National Geographic natgeophotoark.org.

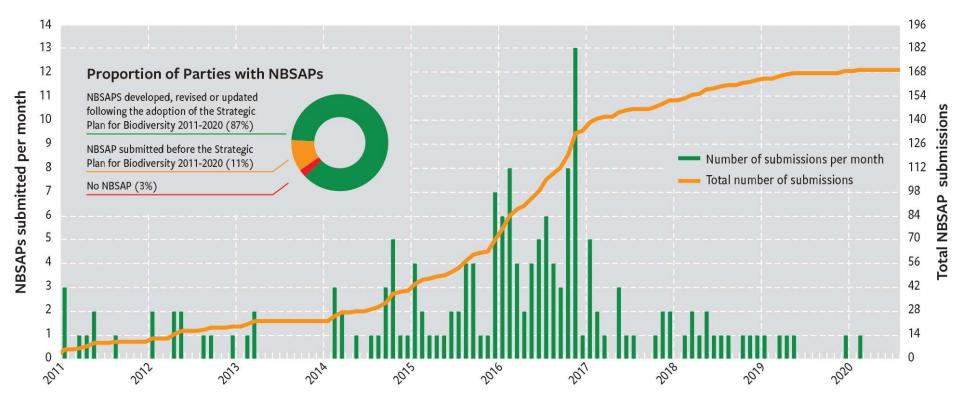


• The Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization has come into force and is now fully operational in at least 87 countries and internationally



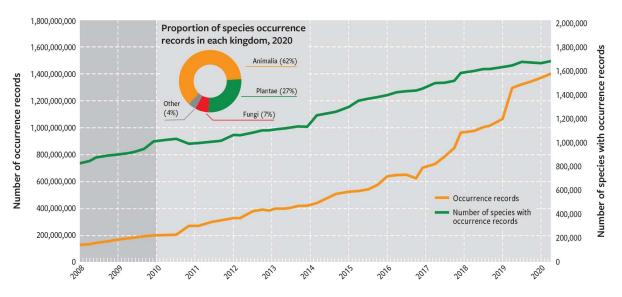


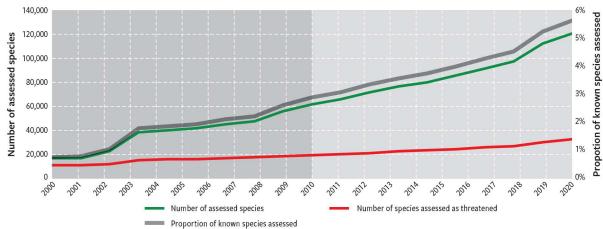
• National biodiversity strategies and action plans (NBSAPs) have been updated in line with the Strategic Plan for Biodiversity 2011-2020 by 170 countries, 85% of CBD Parties





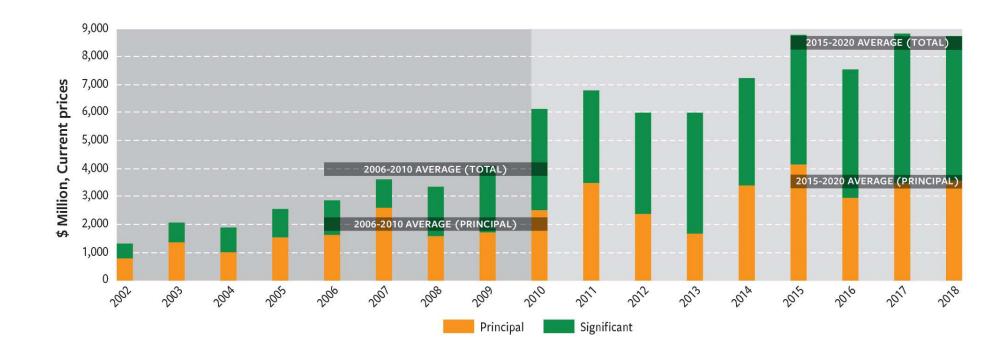
• There has been a substantial increase in the data and information on biodiversity available to citizens, researchers and policy makers, including through the efforts of citizen science







• Financial resources available for biodiversity through international flows have doubled



Lessons from the Strategic Plan for Biodiversity 2011-2020. Need for:

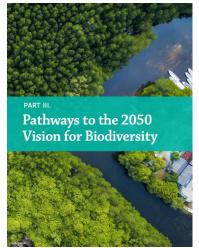
- Still greater efforts to address the direct and indirect drivers of biodiversity loss, including through greater interaction among government ministries, economic sectors and society generally.
- ❖ Strengthen further the integration of gender, the role of IPLCs & stakeholder engagement.
- ❖ Well-designed goals and targets formulated with clear, and, simple language, and with quantitative elements (i.e. 'SMART').
- Strengthen NBSAPs, including their adoption as whole-of-government policy instruments.
- * Reduce time lags in planning and implementat unavoidable time lags in implementation.
- Increased ambition of national commitments, review, learning and adaptive management.
- Greater attention to implementation; sustaine targeted support to countries.





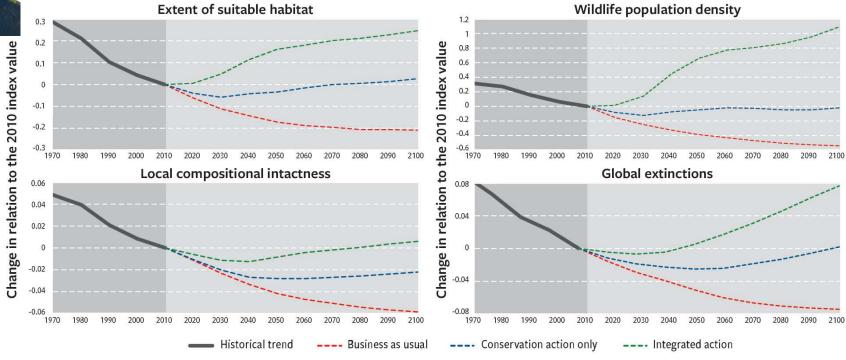
PART III.

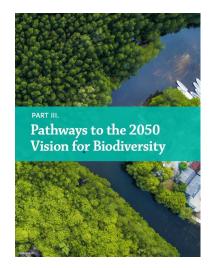
Pathways to the 2050 Vision for Biodiversity



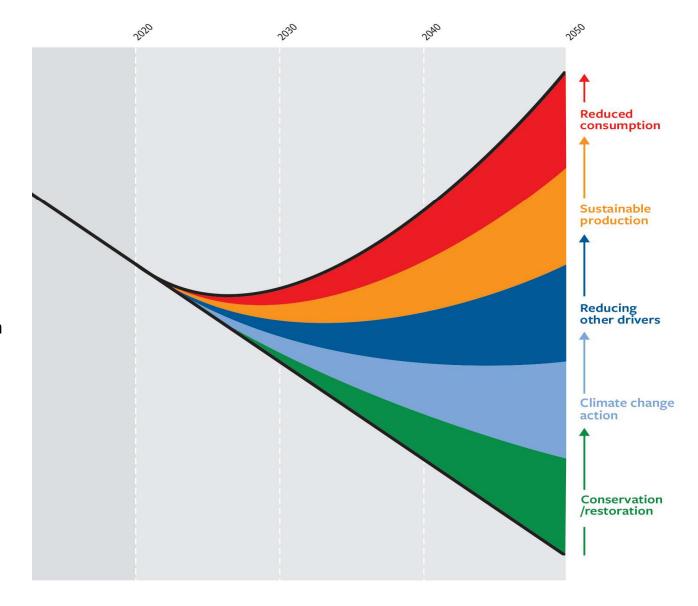
Bending the curve of biodiversity loss requires:

- Bold conservation and restoration action; and
- Change in agricultural production and trade, and consumption patterns.
- → (Integrated Action Portfolio)





Putting nature on a path to recovery, towards the 2050 Vision requires transformative change through a portfolio of actions



Eight Transitions to Living in Harmony with Nature



The Land and Forests
Transition



The Food Systems
Transition



The Sustainable Freshwater Transition



The Cities and Infrastructure Transition



The Fisheries and Oceans
Transition



The Climate Action
Transition



The Sustainable Agriculture Transition



The Biodiversity-Inclusive
One Health Transition



Summary description

Rationale & Benefits -

Key components

For each Transition:

Progress towards transition (examples)



Summary of the transition

conserving intact ecosystems, restoring ecosystems, combatting and reversing degradation, and employing bandscape level spatial planning to avoid, reduce and mitigate land-use change. This transistom exposites the essential value of well-conserved habitats for the maintenance of biodiversity and the properties of the exposite markets of the benefit of pools, and then end to move to a situation in which perhadating and improving food security no longer involves the large-scale conversion of forests and other ecosystems.

Rationale and Benefits

Land-use change is the largest direct driver of terrestral biodiversity loss. The loss and degradation of forests and other natural ecosystems is continuing globally, and especially in tropical areas (see Achi Biodiversity Tagres 15). The main cause of (see Achi Biodiversity Tagres 15). The main cause of forest loss is expansion of agricultures for South America, and by small-scale agriculture in South America, and by small-scale agriculture in central Africa)? though unbanization? and infrastructure change demonstrate that a range of mortice (see Change demonstrate that a range of mortice and infrastructure transition). Senation of land-use and infrastructure transition. Senation of land-use and infrastructure transition.

other natural sourfarms would reduce the risk of citations, and appropriet part would get the risk of heltat and creating conditions for more habitat to be restored. It will preserve and enhance sources of income and nutrition for people who depend on living fenest ecosystems. Many cultural common control with forest species and not accept will be protected along with brushes to health and wellbeing. Broader benefit to society at local, regional and global scales will flow from maintenance of the left of the control of the control of the control of the forest properties of the control of the control of the forest properties.

32 Global Biodiversity Outlook 5

in moderating climate change through capture and storage of carbon.

Key components of the transition ADOPT INTEGRATED APPROACHES TO LAND USE

AND LAND USE CLANGE. This setable coherent policies on agriculture, bearry and on rural, urban and gain entry in evolution entry and on rural, urban and gain entry in evolutionment, and comprehensive special planning, applying the ecosystem appropria or landscape approach, with strong comme fifty engagement and supported by land gaine, data and monitoring, investing in search and development to improve the modulativity, sustainability and integration of agricultural, pastoral and forestry systems, developing and implementing legislation or policy frameworks on land use. Indi-use change and spatial planning, including, as appropriate, limits on deforestation or leafuses the angular ments for minimum areas under native vegetation of from one-loss or neigh and fostowersity, and strengthening monitoring and enforcement

tions with firstst species and jings long with the protected along afficient protected along and protected along and polar protected along and polar long. Broader benefits to so ociety at local, regional and polar local seed life for form matterance of the mole of matural ecosystems in habouring politator species, resporting at and water quality as well as a long and the protection of the most intact ecosystems and the mole of matural ecosystems in habouring politator species, resporting at med water quality as well as a long and the protection of the most intact conspiration of of the most intac



RESTORE AND ERHABILITATE ROSYSTEMS, ¹¹
including converted and degraded natural and seminatural ecosystems, giving priority to contribution to conserving biodwerrise, pelavancing the provision of ecosystem services, mitigating and adapting to the effect of climate Adapting to the effect of climate Adapting connectivity, improving ecosystem realistnee, combating deserving time and emproving human well-being (Box 22.4), including the reintroduction of keyotion especies and release of the effect of the

MANAGE LANDSCAPE'S to balance needs for the conservation and restoration of biodiversity, production of food, timber and other needs, the provision of ecosystem services and orban and rural development, promotting ecological connectivity, and enhancing biodiversity in agricultural and urban landscape. "See Accorditive. Preshwater. Cities and Infrastructure, and Climate E transitions)

In a number of countries for

In a number of countries food plority has improved while forest cong.
one of or remained stable. The UN Food and Agriculture Organization (Food) elemtified 22 countries in which this has occurred since 1990, 12 of which showed forest cover increases of more than 10%, including Chile, Cesta Rica, The Gambia, Georgia, including Chile, Cesta Rica, The Gambia, Georgia, including Chile, Cesta Rica, The Gambia, Georgia, in the agricultural sector, provision of finance and technical support, secure land tenure, stabeholder movement and efform of forest and agricultural policies, recognizing the value of forests for society and promoting policy coherence. An number of other countries have demonstrated significant or describes in forest loss (see Aich) Biodiversity Target 53 and many have invested in Biodiversity Target 53 and many have invested in

The Land and Forests transition 33

Linkages with other transitions

area to safeguard (Rev 11.1).** Mexico's no Sustainable Forestry established limits sultrual frontier.** Brazili. Forest Code in the Protection of Native Vegetation, be 1950s mandated the protection marsas of native vegetation in rural ranging from 80% in the Amazon forest OS in other biomes, and including intally-sensitive areas such as river banks lopes. A nationwide register of all rural has been established to record such thas also developed a National Plan for pation of Native Vegetation.**

ages with other transitions

AGRICULTURE: depends on reducing land pressure on ecosystems through avoiding further expansion of cropland; contributes al processes essential for agriculture

cities and infrastructure: depends on reducing land pressure on ecosystems through improved planning of urban expansion and infrastructure development; contributes to ecosystem services essential to urban populations

climate action: depends on reducing land pressure from land-based climate mitigation; contributes to carbon ustration through conserving and restoring leading to cosystems, as well as increasing residuation and aspectarding ecosystem services from

FRESHWATER: depends on reducing land pressure from large hydropower schemes and other water infrastructure development; contributes to water purification and supply



disease risk through maintaining he ecosystems

.4. Potential for ecosystem restoration

we ecosystem restoration, including the restoration of lands previously converted to ure as well as the restoration of degraded ecosystems, is central to conserving biodiversity silizing the Earth's climate, and the United Nations has declared 2021-2030 as the UN Decade system Restoration.

nalysis of restoration opportunities¹⁸ shows that restoring 15% of converted lands across biomes could reduce extinction debts (the predicted future extinction based on current es) by about 60%, while sequestering up to 300 GCO2. Most of these benefits could be realized while maintaining or increasing agricultural production in each country, through progress in closing crop and livestock yield page.

Good spatial planning is essential, in order to optimize outcomes for biodiversity and climate change objectives at reasonable cost. The analysis demonstrates the importance of international cooperation to support restoration in the places that will generate the largest environmental benefits.

significant orecines (more rains in injuno signific significant orecine) new occupies over me past two occupies (see Acids Bloddersky Target 5). However, formal protected are status or acute conservation action may not be necessary for maintain ecological integrity in all widemess areas or in all finance areas. *If echological sobole neced that indiageous peoples have rights to analyte manage an estimated 30 million square kidemetres of land that falls ocusied reported protected areas, accounting for a significant portion of Earth's remaining natural lands.*

4 Global Biodiversity Outlook 5 The Land and Forests transition 35



Enabling sustainable and healthy diets with a greater emphasis on a diversity of foods, mostly plant-based, and more moderate consumption of meat and fish, as well as dramatic cuts in the waste involved in food supply and consumption. This transition recognizes the potential nutritional benefits from diverse foods and food systems, and the need to reduce demand-driven pressures globally while ensuring food security in all its dimensions.







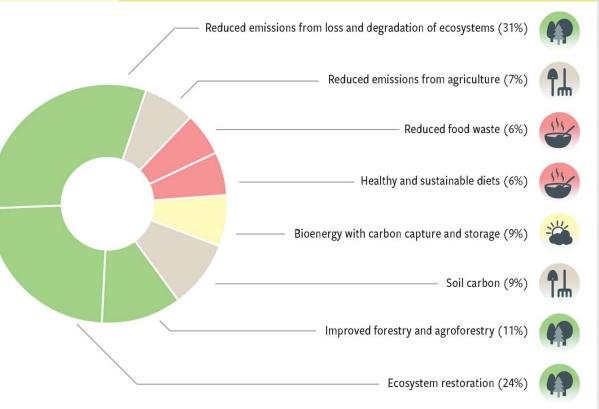




- Rebalance agricultural policies and incentives
- Promote the availability of healthy and sustainable diets.
- Promote access to healthy and sustainable diets
- Promote the consumption of healthy and sustainable diets,
- Promote measures to reduce food waste,
- Encourage businesses to promote sustainability through supply chains and to redesign product portfolios



Employing nature-based solutions, alongside a rapid phase-out of fossil fuel use, to reduce the scale and impacts of climate change, while providing positive benefits for biodiversity and other sustainable development goals. This transition recognizes the role of biodiversity in sustaining the capacity of the biosphere to mitigate climate change through carbon storage and sequestration and in enabling adaptation through resilient ecosystems, as well as the need to promote renewable energy while avoiding negative impacts on biodiversity





THE BIODIVERSITY-INCLUSIVE ONE HEALTH TRANSITION

Managing ecosystems, including agricultural and urban ecosystems, as well as the use of wildlife and trade, through an integrated approach, to promote healthy ecosystems and healthy people.

- recognizes the full range of linkages between biodiversity and all aspects of human health, and
- addresses the common drivers of biodiversity loss, disease risk and ill-health.



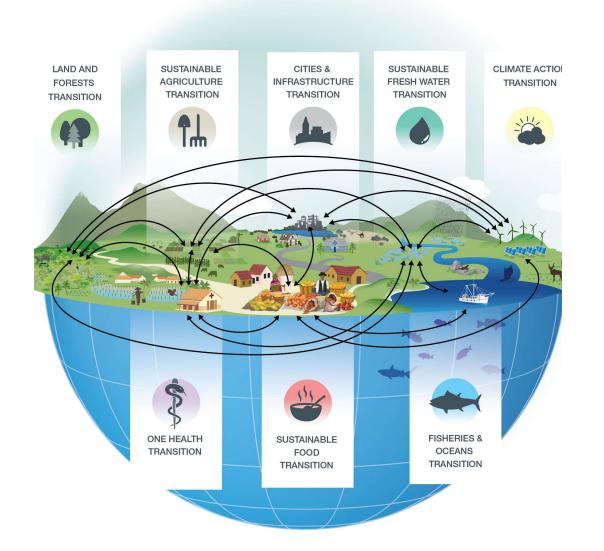




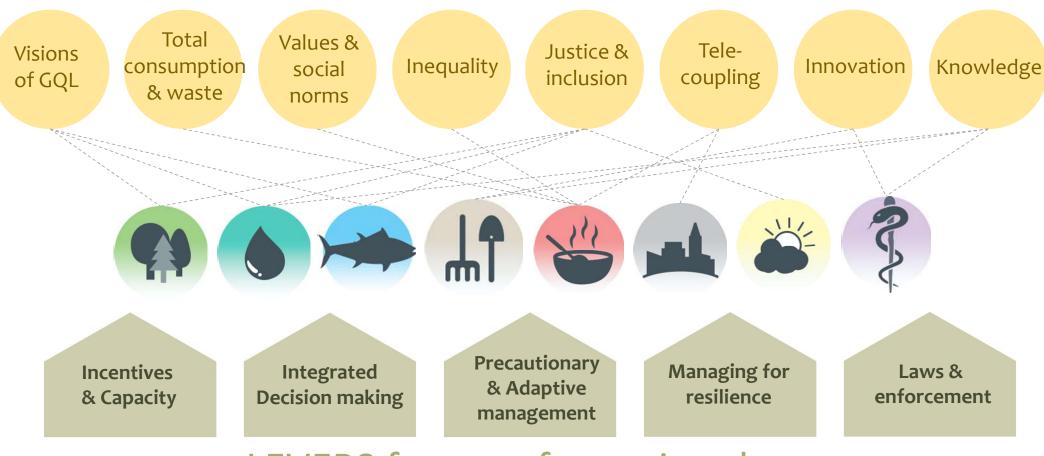




- Reduce disease risk by conserving and restoring ecosystems.
- Promote sustainable, legal and safe use of wildlife.
- Promote sustainable and safe agriculture, including crop and livestock production and aquaculture.
- Create healthy cities and landscapes.
- Promote healthy diets as a component of sustainable consumption



LEVERAGE POINTS



LEVERS for transformative change



- ❖ None of the Aichi targets fully met.
- Many examples of success policy measures work!

Outlook:

- ❖ Possible to reduce and reverse biodiversity loss, path of recovery towards the 2050 Vision.
- A Requires strong conservation and restoration action, addressing all drivers, sustainable consumption.
- Time for action is now.
- Lessons for post 2020 global biodiversity framework.



https://www.cbd.int/gbo5