



Possible targets and indicators for the post-2020 global biodiversity framework related to the interlinkages and interdependencies between biodiversity and climate change

Justification for new target: The target on biodiversity and climate change as currently proposed in the zero draft is about biodiversity to combat climate change rather than combatting the adverse effects of climate change on biodiversity (our proposed new target). Approaches for reducing climate change threats to biodiversity can extend beyond nature-based solutions.

Target: By 2030, reduce climate change risk to species and ecosystems through incorporating ecosystem-based adaptation and other resilience-building measures and, in all conservation and other land-use planning and implementation processes.

Suggested elements of the target for monitoring	Suggested Indicators
All assessments of threats and threat statuses for species, ecosystems, protected area and OECMs consider the past, current and future impacts of climate change as part of their vulnerability assessment protocols	Percent of threat assessments including a climate change vulnerability component
Trends in species populations and in habitat condition are well monitored in order to track climate change impacts, provide evidence to inform vulnerability and Red-List assessment and to track the effectiveness of adaptation	Percent of species and/or ecosystems monitored to a certain standard
All relevant management plans (e.g., species recovery, ecosystem, protected area and OECMs) consider climate change vulnerability and adaptation responses	Percent of conservation plans addressing climate change factors
Nature based solutions, including ecosystem-based mitigation, adaptation and disaster risk reduction measures other related actions, contribute positively to biodiversity conservation and delivery of other ecosystem services under current and future climates	Percent of ecosystem-based mitigation, adaptation and disaster risk reduction measures using ecologically and climate-appropriate species
New protected areas are designed to conserve and enhance connectivity between climate-vulnerable areas supporting natural or semi-natural ecosystems	Protected Area Connectedness Index
Climate-vulnerable species and ecosystems persist with no net loss of population size, ecosystem extent and ecosystem integrity.	<ul style="list-style-type: none"> • Percent of species and ecosystems assessed for vulnerability • Living Planet-type data for vulnerable species • A Red List Index of ecosystems