



**Nature
based
Solutions**

The nature of progress

Advancing Nature-based Solutions for Human Health: Integrating biodiversity, climate change and health outcomes

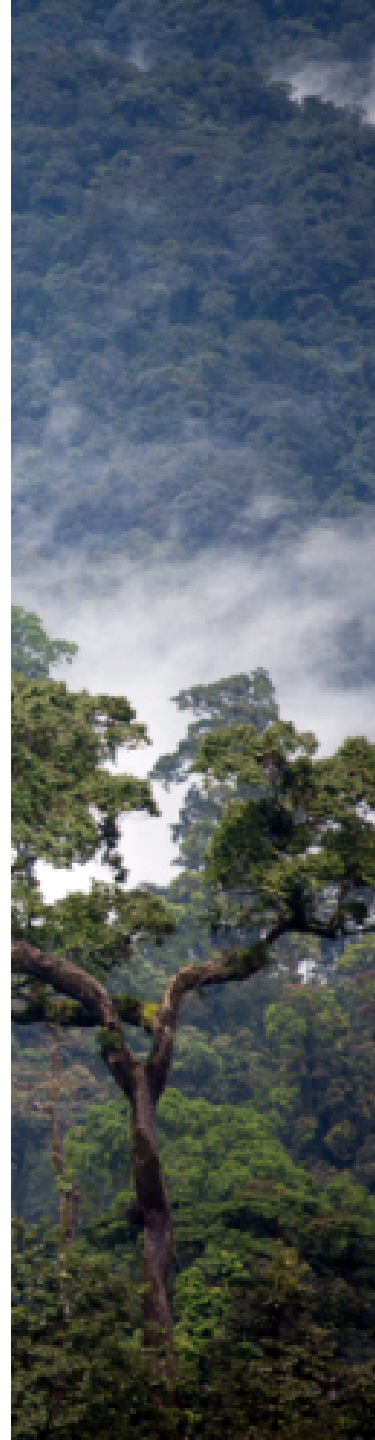
Ali Raza Rizvi, Head of Climate Change, IUCN

Nature-based Solutions

Actions to protect, conserve, restore, sustainably use and manage natural or modified terrestrial, freshwater, coastal and marine ecosystems, which address social, economic and environmental challenges effectively and adaptively, while simultaneously providing human well-being, ecosystem services and resilience and biodiversity benefits.

UNEA-5 resolution of multilaterally agreed definition of NbS

Nature-based Solutions have the potential to save up to **10GT of Co2 per year - more than the emissions from the entire global transportation sector** - as well as the potential to reduce the intensity of climate hazards by 26 percent, **representing averted impacts of USD 104 billion by 2030 and USD 393 billion by 2050.**



Objectives of Nature-based Solutions



Climate change adaptation & mitigation



Disaster risk reduction



Economic & social development



Water security



Food security



Human health

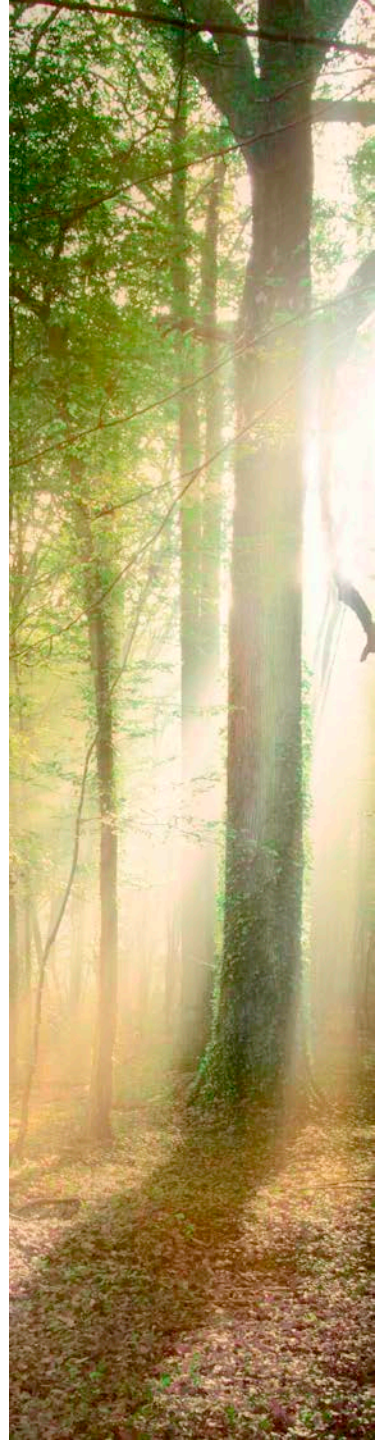


Ecosystem degradation & biodiversity loss

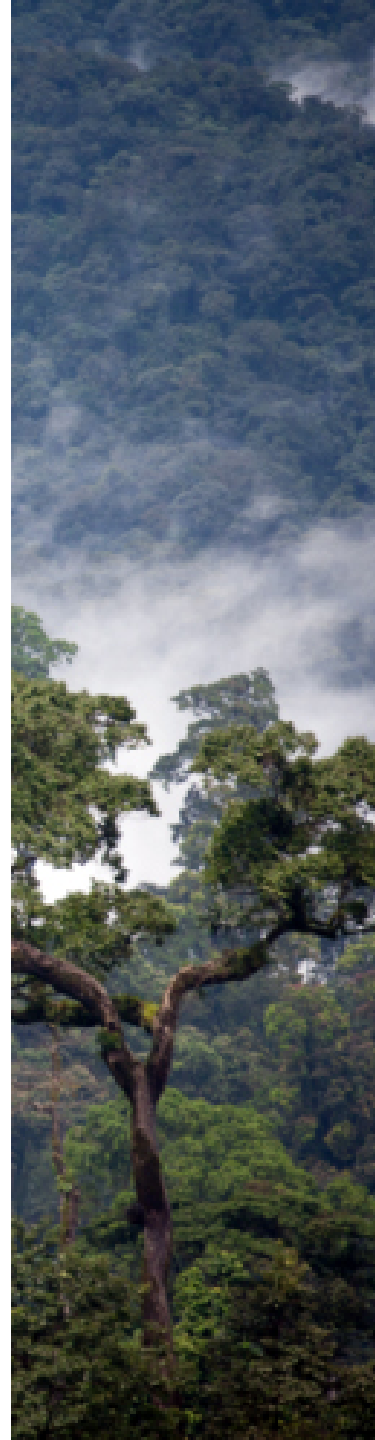
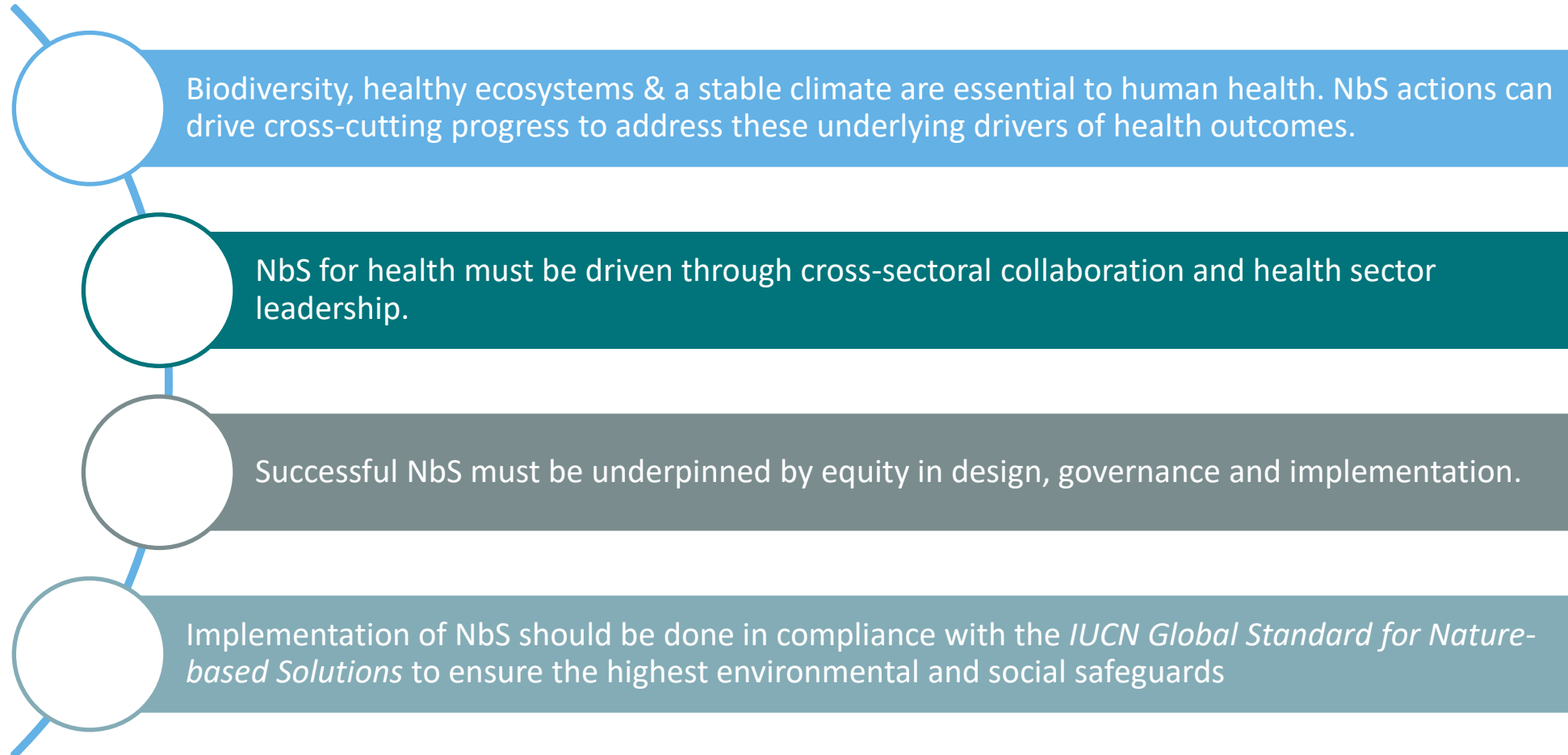


Examples of NbS for Health

1. Improving air quality
2. Enhancing access to safe water and sanitation
3. Creating sustainable and healthy food systems to prevent malnutrition
4. Building the climate resilience of communities to hazards such as heatwaves, storms and floods, and reducing exposure to vector-borne diseases such as malaria
5. Mitigating and long-term impacts of rising global temperatures, and the health impacts of a changing climate
6. Urban green spaces and access to nature for mental health
7. Protecting and restoring nature and reducing contact between wildlife, livestock, pathogens and people for zoonotic pandemic prevention
8. And more!



NbS and Health : Key Considerations



The IUCN Global Standard on NbS



**Nature
based
Solutions**

The nature of progress



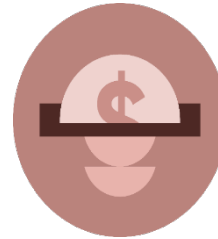
Societal challenges



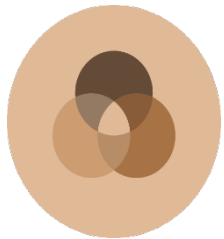
Design at scale



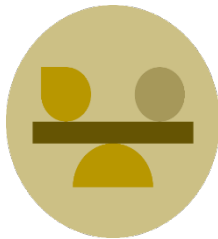
Biodiversity net
gain



Economic
feasibility



Inclusive governance



Balance trade-
offs



Adaptive
management



Mainstreaming
for
sustainability

- 8 Criteria and 28 Indicators for designing (new) and assessing (existing/past) NbS
- Measured against calibrated metrics
- Developed with +800 contributors and 9 expert groups through 2 years of public consultations
- Facilitative standard to support transitioning to NbS
- Piloted across Asia, Africa, Latin America
- Translated by partners into 7 languages so far

Thank you!

For more information:



Learn more



<https://www.iucn.org/NbS>

Follow us



[@IUCN](#)

Contact



Ali.Raza@iucn.org
Emily.Goodwin@iucn.org