



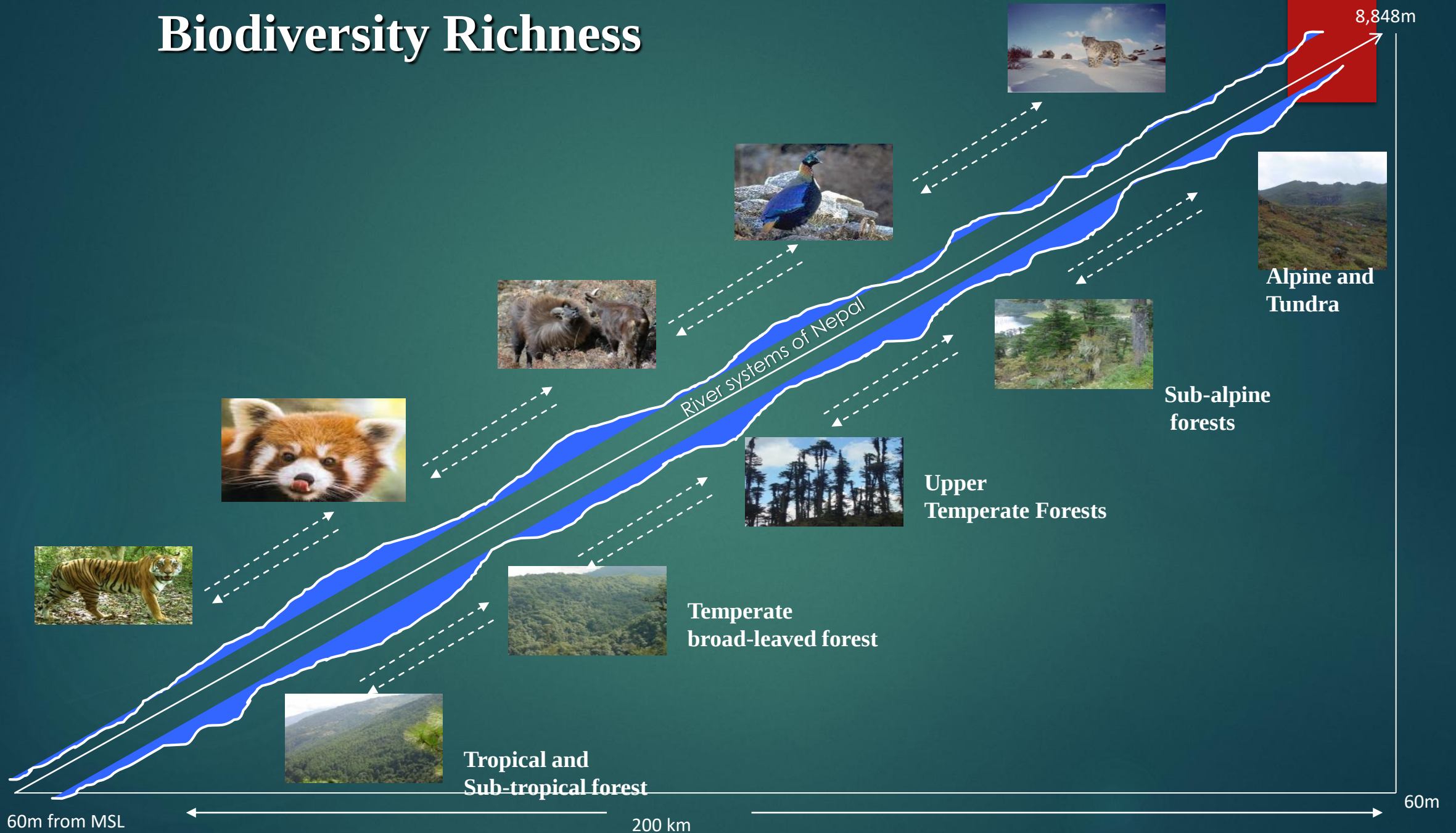
Biodiversity Conservation and National Clearing-House Mechanism of Nepal

MINISTRY OF FORESTS AND SOL CONSERVATION
NEPAL

CBD and Nepal

- ▶ CBD and Nepal
 - ▶ Signature: 12 June 1992
 - ▶ Ratification: 23 November 1993
 - ▶ Party: 21 February 1994
 - ▶ Nagoya Protocol: Accession in 4 September 2014
- ▶ National Designated Authority: Ministry of Forests and Soil Conservation
- ▶ Implementation Agencies
 - ▶ Ministry of Forests and Soil Conservation
 - ▶ Ministry of Agriculture Development

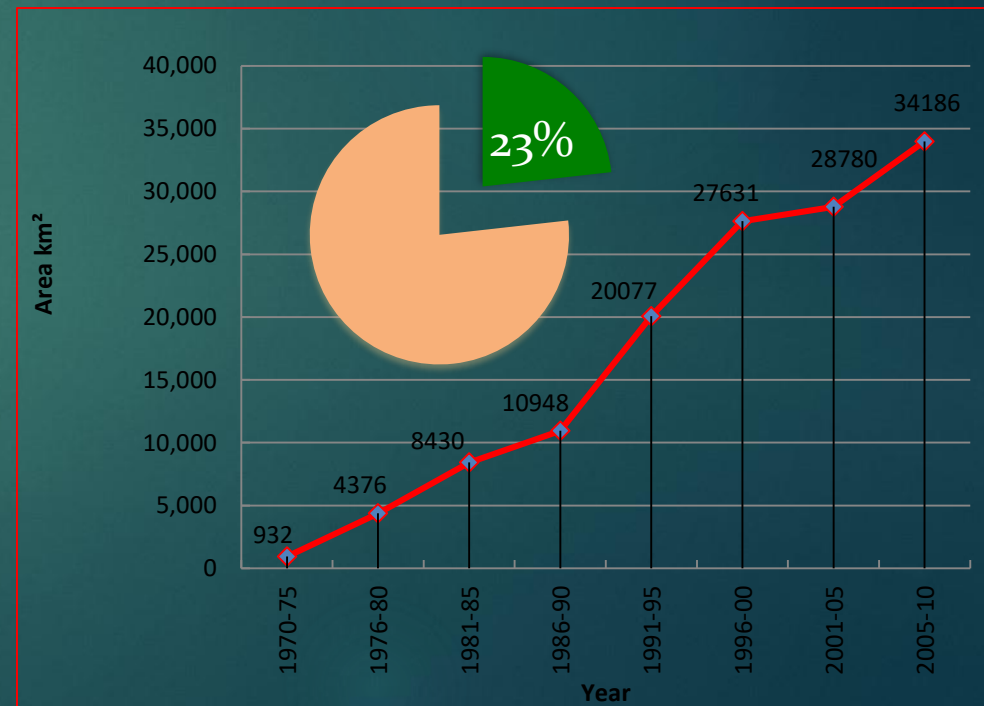
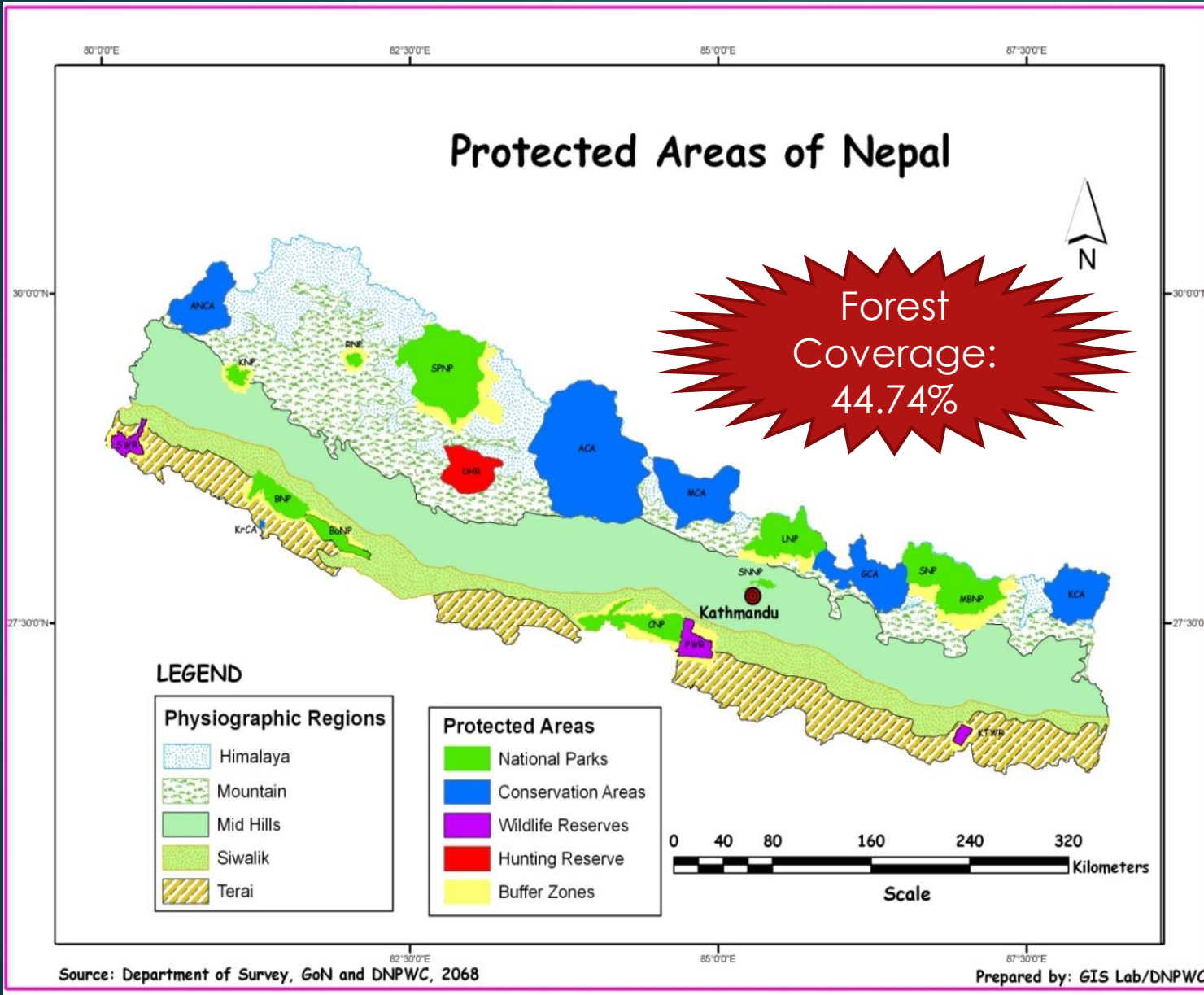
Biodiversity Richness



Protected Area Management System

Protected Areas-20

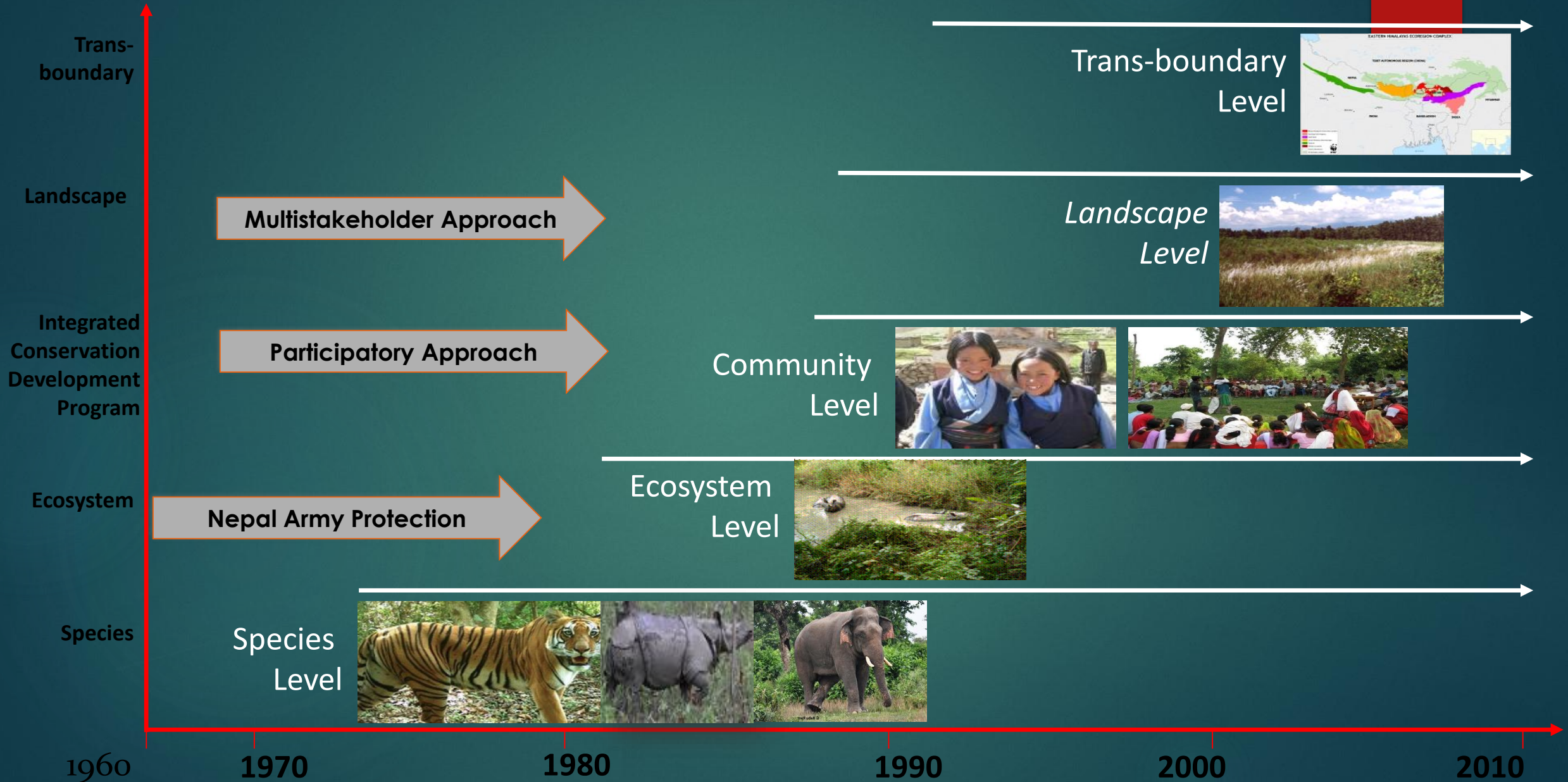
- National Parks-12
- Wildlife Reserve-1
- Hunting Reserve-1
- Conservation Area-6



Ecosystem Richness



Paradigm Shift in Conservation Approach



Dimensions of Biodiversity Conservation:

Conservation, Communities, Conflicts and Crime



Wildlife Conservation

- Grassland
- Wetlands
- Prey-base
- Ecosystems
- Science and technology
- Ecosystem health and hygiene



Involvement of Local Communities

- Participation
- Access and benefit sharing
- Livelihood improvement
- Capacity building



Human-Wildlife Conflicts

- Human casualties
- Crop depredation
- Livestock loss
- Property loss



Wildlife Crime

- Poaching
- Illegal trade of animals and plant parts



Biodiversity Decade and Aichi Targets: National Biodiversity Targets

- ▶ NBSAP (2014-2020)
 - ▶ Mid-term evaluation
 - ▶ Roadmap to 2020, and post 2020
- ▶ 6th National Report preparation (2014-2017)
 - ▶ National Committee is formed
 - ▶ TOR is under preparation
- ▶ Major threat to Biodiversity Conservation in Nepal
 - ▶ Encroachment of forests land
 - ▶ Fragmentation and quality degradation of habitats
 - ▶ Roadmap to 2020, and post 2020

Ecosystems Types

- ▶ Forest Ecosystems
- ▶ Protected Area Ecosystems
- ▶ Rangeland Ecosystems
- ▶ Wetlands Ecosystems
- ▶ Mountain Ecosystems

Nagoya Protocol Accession

- ▶ Nagoya Protocol accessed by the Parliament of Nepal on 4 September 2017
- ▶ Access of Benefit sharing Bill is under discussion
- ▶ Capacity building activities of frontline staff is under implementation

South Asian Regional: Biodiversity Clearing House Mechanism

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Nepal

Protected Areas

Protected sites in the altitudinal and phytogeographic regions

Highlands-West Shey-Phoksundo NP	Highlands-Centre Annapurna CA Manaslu CA Langtang NP	Highlands-East Sagarmatha NP Makalu Barun NP Kanchenjunga CA
Mid Hills-West Khaptad NP Rara NP Dhorpatan HR	Mid Hills-Centre Shivapuri NP	Mid Hills-East
Tarai and Siwaliks-West Bardia NP Suklaphanta WR	Tarai and Siwaliks-Centre Chitwan NP Parsa WR	Tarai and Siwaliks-East Koshi Tappu WR

Protected areas of Nepal

S.N.	Categories (Year of Establishment)	Area(km ²) and (%)	Altitude (m)
National Parks (NP)			
1	Chitwan NP (1973)	932	150-815
2	Bardia NP (1976/1988)	968	152-1494

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Conservation Partners in Biodiversity conservation

- ▶ National Trust for Nature Conservation
- ▶ ICIMOD
- ▶ SAARC
- ▶ SAWEN
- ▶ WWF Nepal
- ▶ ZSL Nepal
- ▶ Local communities

Species Monitoring and Census

- ▶ National Tiger Survey: 2009, 2013 and 2018
- ▶ National Rhino Census 2011 and 2015
- ▶ Wildlife buffaloes
- ▶ Swamp deer
- ▶ Crocodile
- ▶ Dolphin
- ▶ Elephant
- ▶ Winter and summer birds count
- ▶ Species conservation action plan

Biodiversity Database and Recordkeeping system

- ▶ www.mfsc.gov.np
- ▶ www.dnpwc.gov.np
- ▶ www.dof.gov.np
- ▶ www.dpr.gov.np

What next ?

- ▶ Strategic vision of the national CHM
- ▶ Roadmap to develop the national CHM
- ▶ Compile and collect all biodiversity information of the country and regularly update them on annual basis
- ▶ GBIF symposium in September 2018