



Kangchenjunga landscape

Mount Kangchenjunga

Southern part of Mt. Kangchenjunga (8,586 m)-Eastern Nepal, Darjeeling and Sikkim of India and Western Bhutan

Coverage >25,000 sq km (Bhutan: 23%; India:

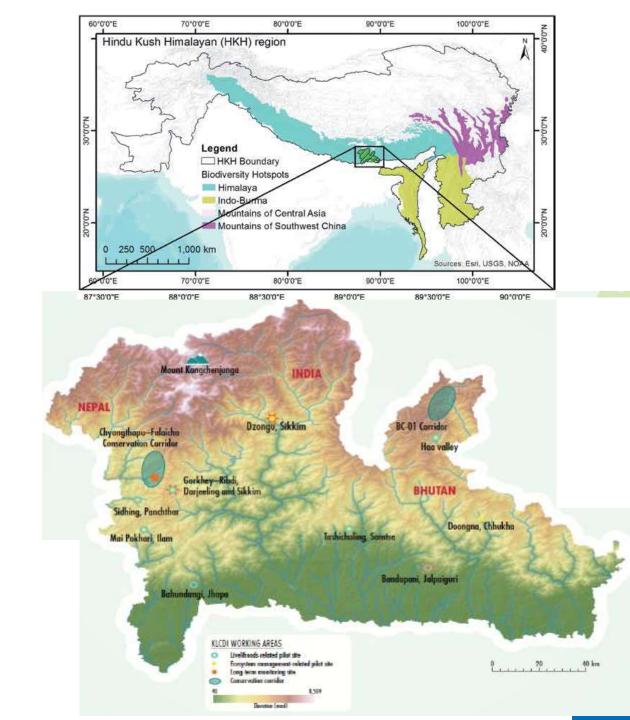
56%; & Nepal: (21%))

Repository of God of Snow

The Five Treasures – gold, silver, gems, grain and holy books

Diverse groups and rich culture

Limbu, Rai, Rajbanshi, Sherpa, Tharu, Dhimal, Lepcha, Brahmin, Chettri and others



50 km Legend



Physical & cultural attributes

Elevation

From "Tarai-Duar" lowlands (40m), across midhills to Mt Kangchenjunga (8,586m)

Climate

Subtropical climate zone; tundra type climate; 80% of the annual precipitation between June-September

Five physiographic zones within 166km

Gangetic plain, Sub & Lower Himalayan, Greater Himalayan & the Tibetan Plateau

Rich culture and heritage



Ecosystems & vegetation

Forests: 45% (69.5% in KL-Bhutan, 41.0% in KL-India & 26.4% in KL-Nepal)

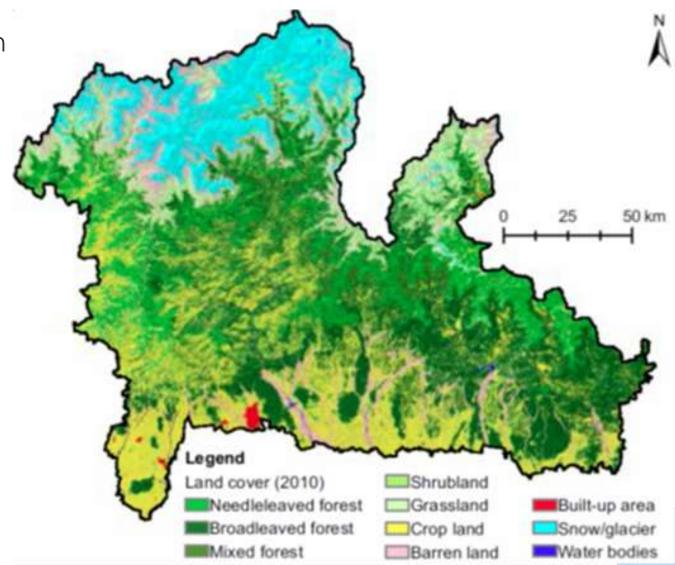
Rangelands: 20% (20.2% in KL-Bhutan, 18.0% in KL-India and 23.9% in KL-Nepal)

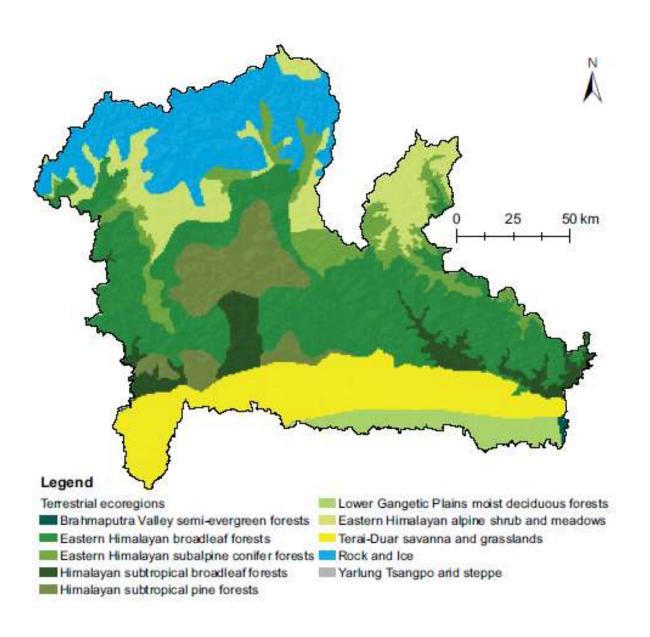
Agriculture lands:17%

Snow and glaciers: 11%

Barren: 8%

Water bodies: <1%





| Terrestrial Ecoregion | Area | |
|---|----------|-------|
| | sq.km | % |
| Eastern Himalayan broadleaf forests | 7,662.8 | 30.55 |
| Terai-Duar savanna and grasslands | 3,984.3 | 15.88 |
| Eastern Himalayan alpine shrub and meadows | 2,698.5 | 10.76 |
| Himalayan subtropical pine forests | 2,152.0 | 8.58 |
| Eastern Himalayan subalpine conifer forests | 2,042.6 | 8.14 |
| Himalayan subtropical broadleaf forests | 1,474.1 | 5.88 |
| Lower Gangetic Plains moist deciduous forests | 1,134.8 | 4.52 |
| Brahmaputra Valley semi- evergreen forests | 33.2 | 0.13 |
| Yarlung Tsangpo arid steppe | 1.5 | 0.01 |
| Rock and Ice | 3,902.0 | 15.55 |
| Total | 25,085.8 | 100 |



Global significance

World Heritage Site: Khangchendzonga National Park, Sikkim, India

Ramsar Site: Mai Pokhari, Illam, Nepal

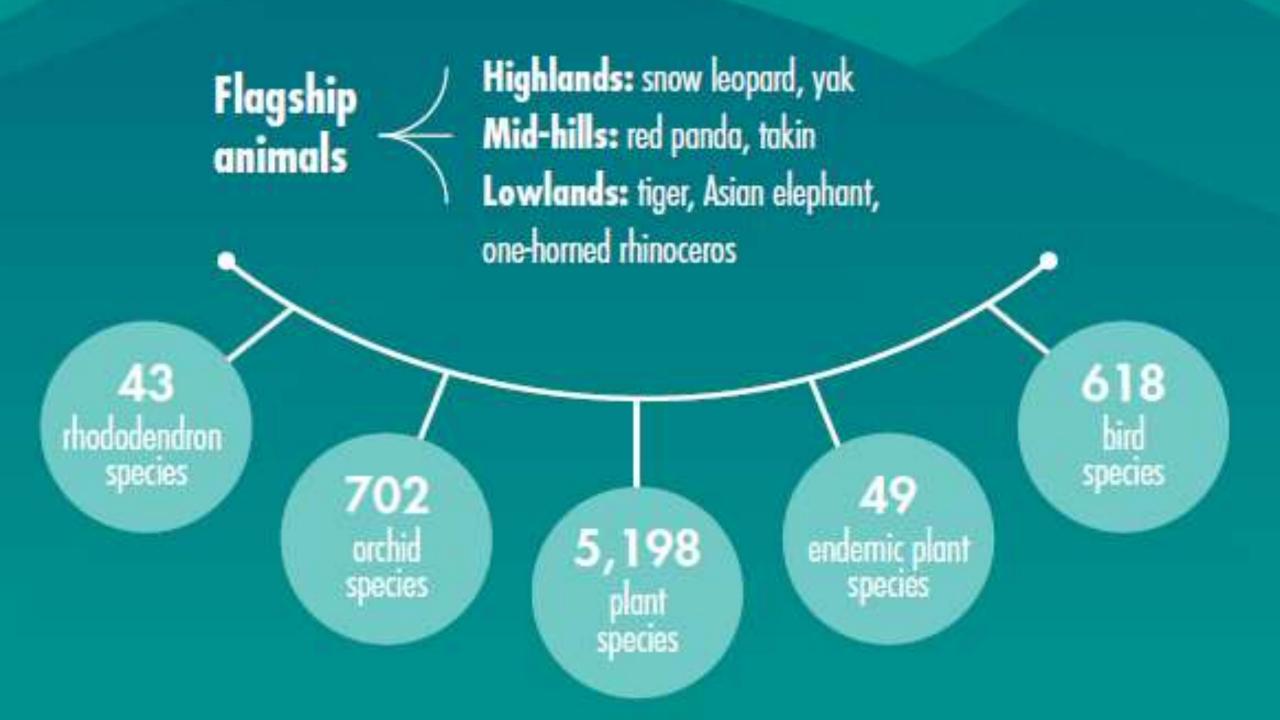
19 Protected Areas

11 Important Plant Areas

Biodiversity Hotspot

9 Ecoregions

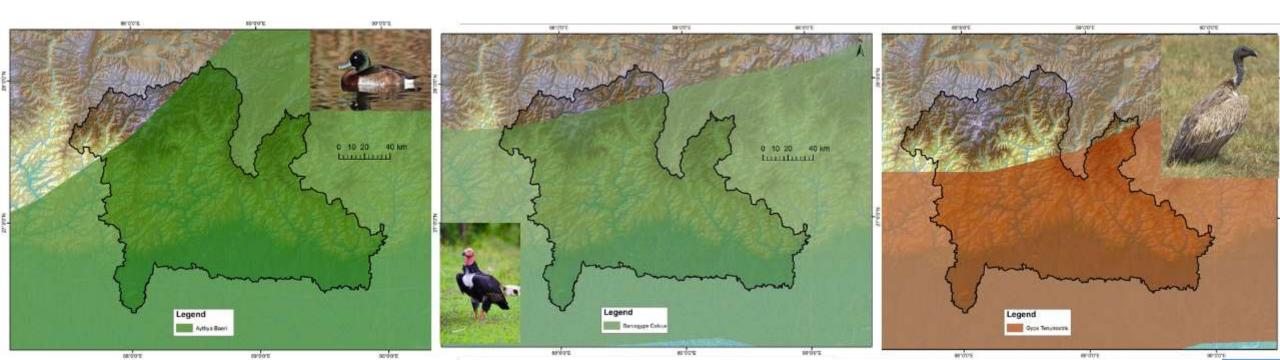
22 Important Bird Areas



Critically endangered bird species

Baer's pochard, white-rumped vulture, slender-billed vulture, and red-headed vulture

Habitats use: Mosaics (forest, wetlands, agriculture, river, barren land)

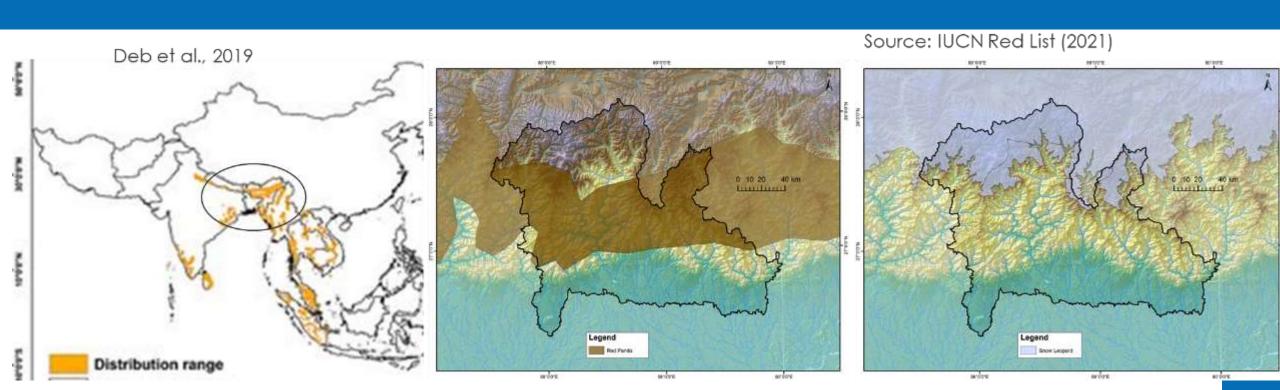


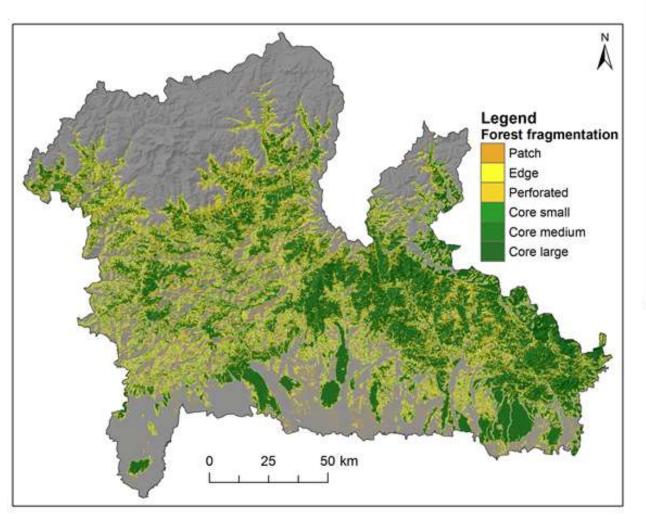
Flagship mammals

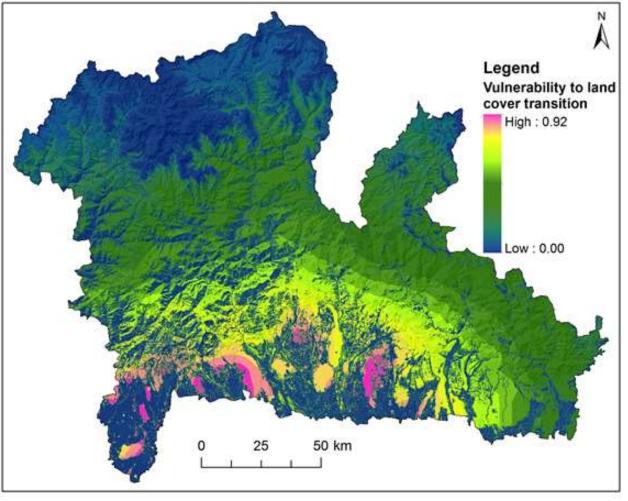
Lowland: Bengal tiger, one-horned rhinoceros and Asian elephant;

Midhills: Red panda, takin and clouded leopard;

High mountains: Snow leopard, musk deer, Himalayan black bear, Tibetan antelope and blue sheep







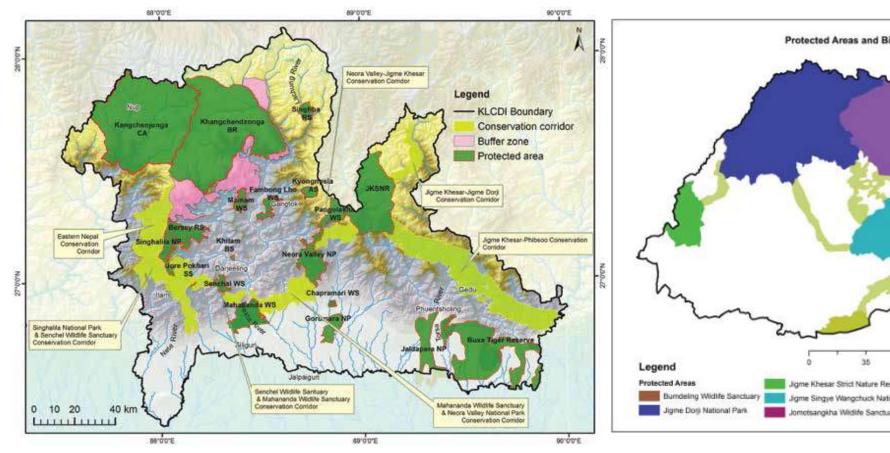


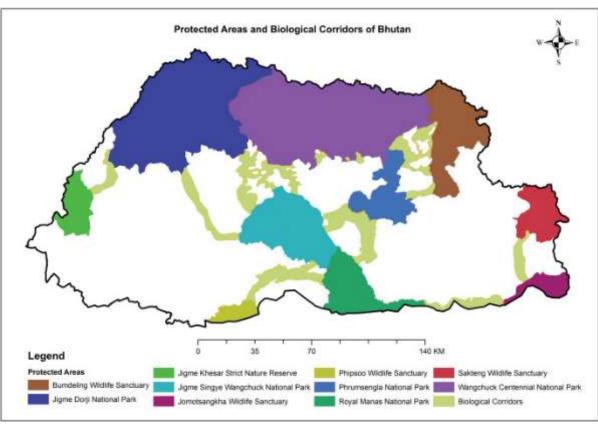


Results **Drivers of change** Long-term impacts Climate change Habitat degradation/loss Biodiversity loss Human-wildlife conflicts Demographic changes Reduced ecosystem productivity Reduced ecosystem services Governance Reduced adaptive Transboundary conflicts Conflicting policies capacity Gap in knowledge ICIMOD, WCD,

ICIMOD, WCD, GBPNIHESD, RECAST (2017) Gap in knowledge Impacts on gender equity

Corridors and connectivity







Thank you

Protect the pulse.