



India Data Insights

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Country Rank

141 / 165

Score



UN Dashboard Status

Major challenges



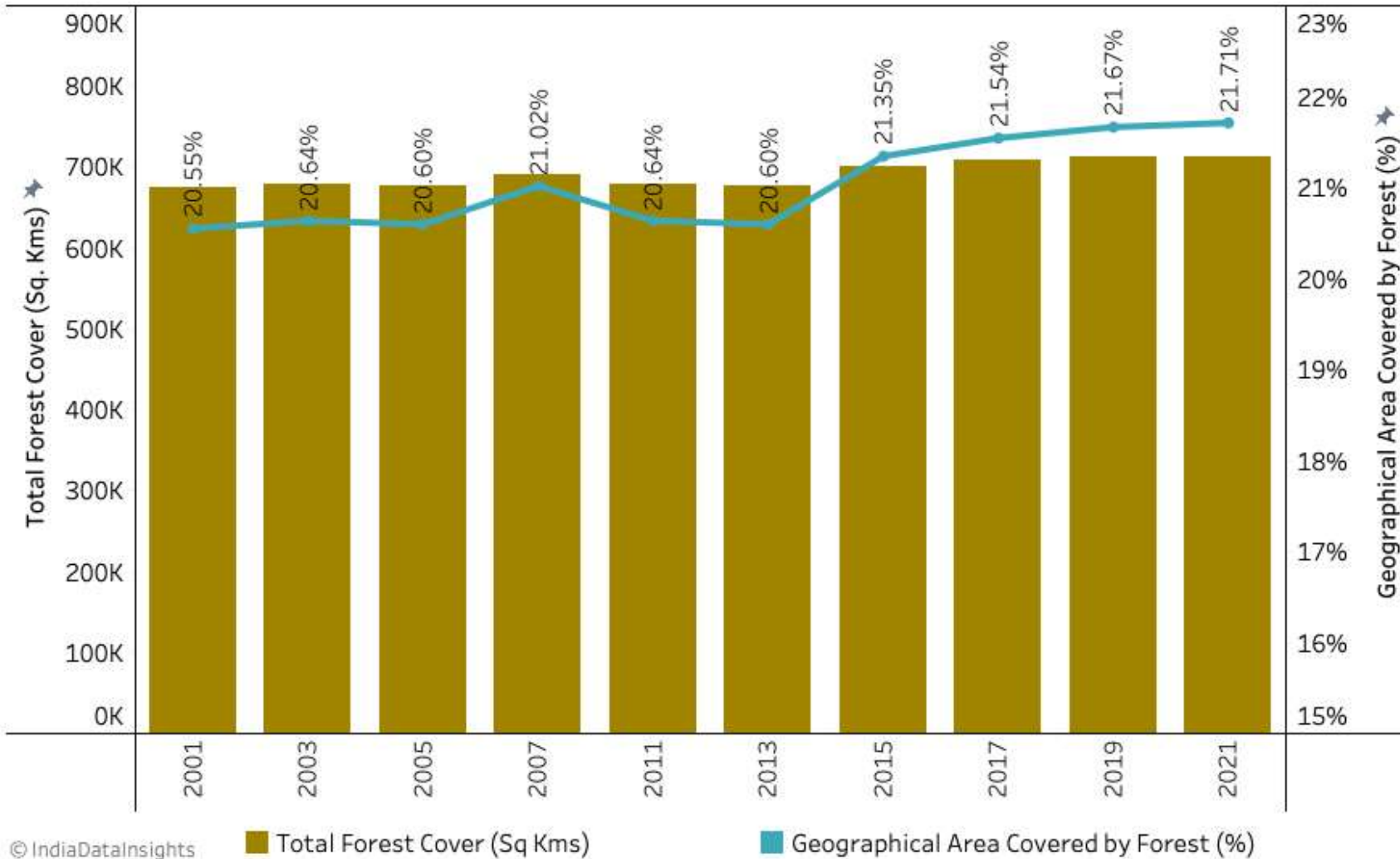
Trend

Stagnating



Notes: As per UN Sustainable Development Report 2022

Forest Cover - India

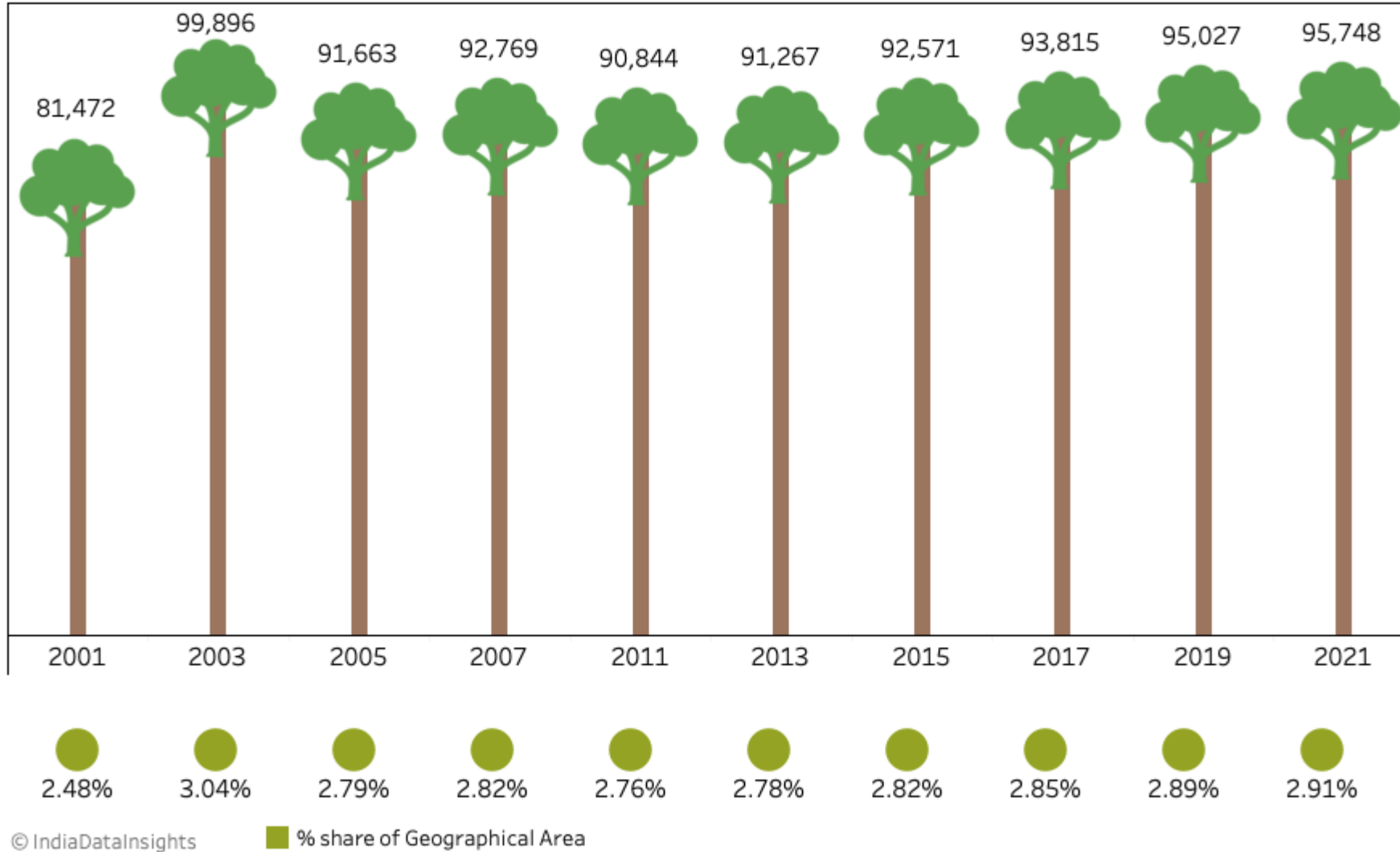


As per the 2021 assessment, 21.71% (~712K square kilometers) of India's geographical area is covered by forests. Only 3% of the forest cover is very dense, ~ 9% of moderately dense forest and ~9% of open forest.

India's forest cover area has increased by ~73 thousand square kilometers (11.38% increase) since 1987 when the FSI (Forest Survey of India) started formally publishing the reports.

India has a target to cover 33% of its geographical area with forest.

India's Geographical Area Covered by Trees (in Sq. Kms)



Tree cover area has increased by ~14.2 thousand square kilometers in the last two decades.

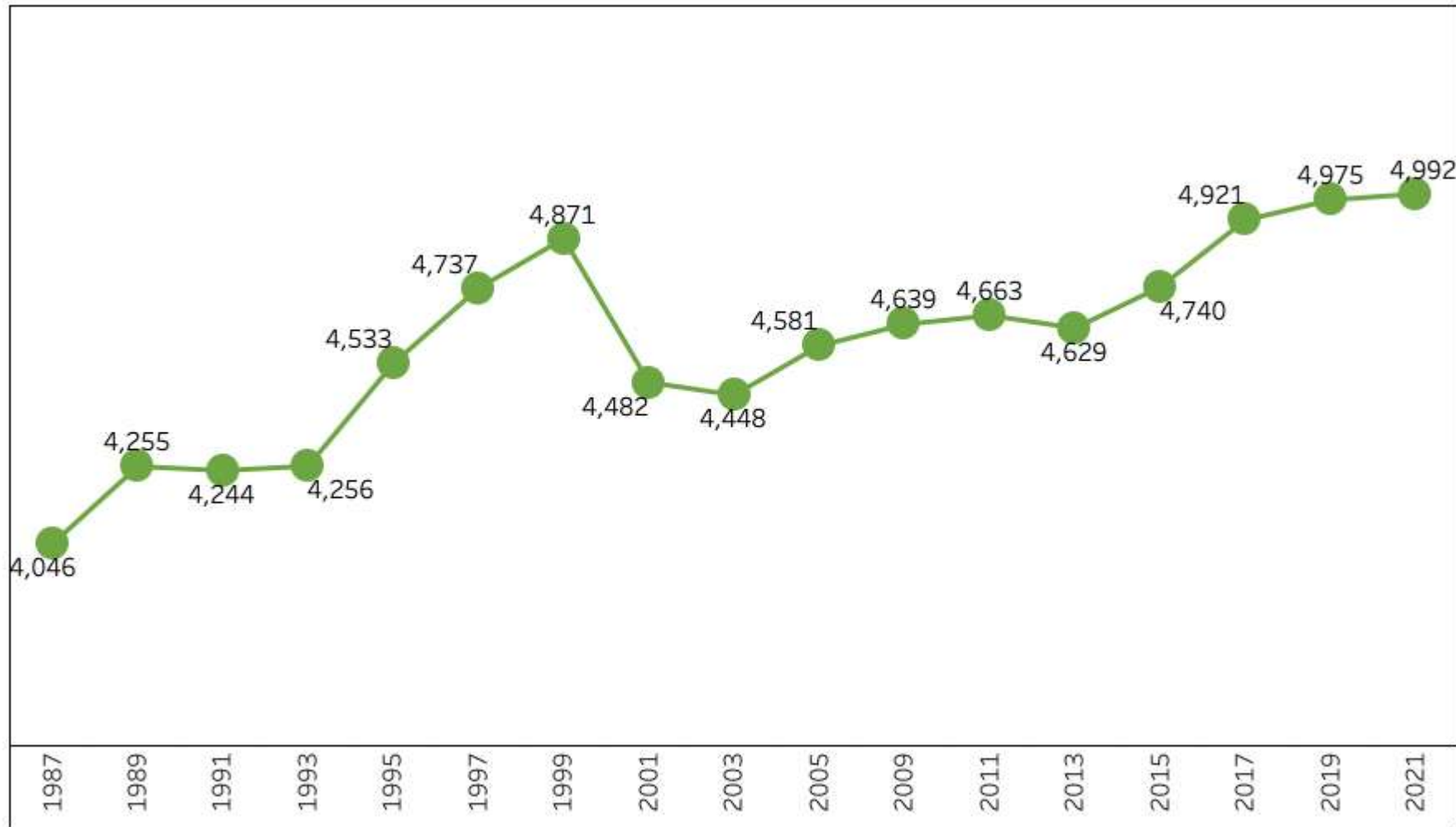
As per 2021 assessment report, 2.91% (~95.7K square kilometers) of India's geographical area is covered by trees.

Forests and Trees together cover approximately a quarter (24.62%) of India geographical area.

Source: Ministry of Environment, Forests and Climate Change

Notes: Sq. Kms – Square Kilometers; K – Thousand; Tree Cover: Trees occurring in patches of size less than 1 hectare including scattered trees

Mangrove Cover in India (Sq. Kms)



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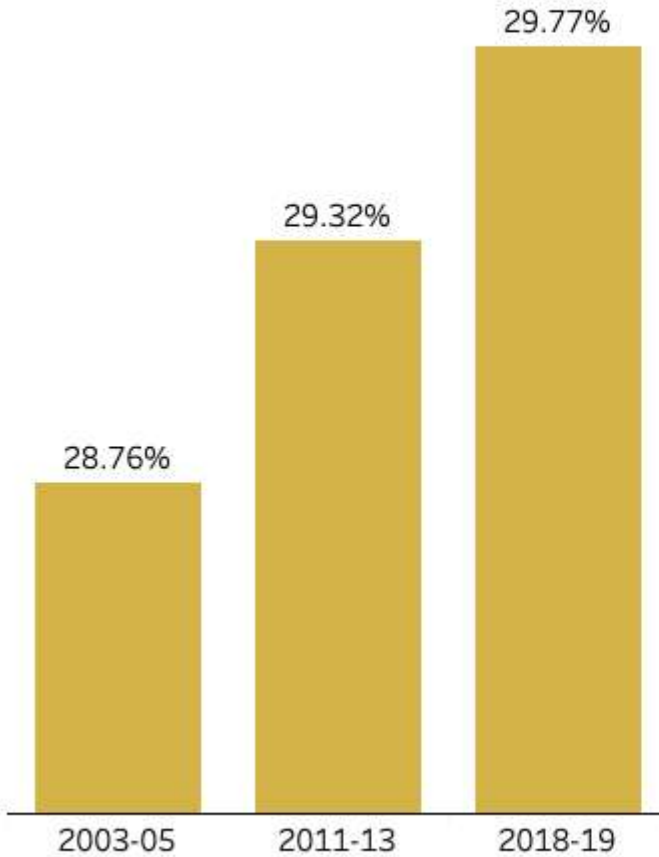
As per 2021 assessment report, India has a mangrove cover of ~4992 sq. kms – an increase of 17 sq. kms. from the previous assessment in 2019.

In the last 3 decades, mangrove cover has increased by 23%.

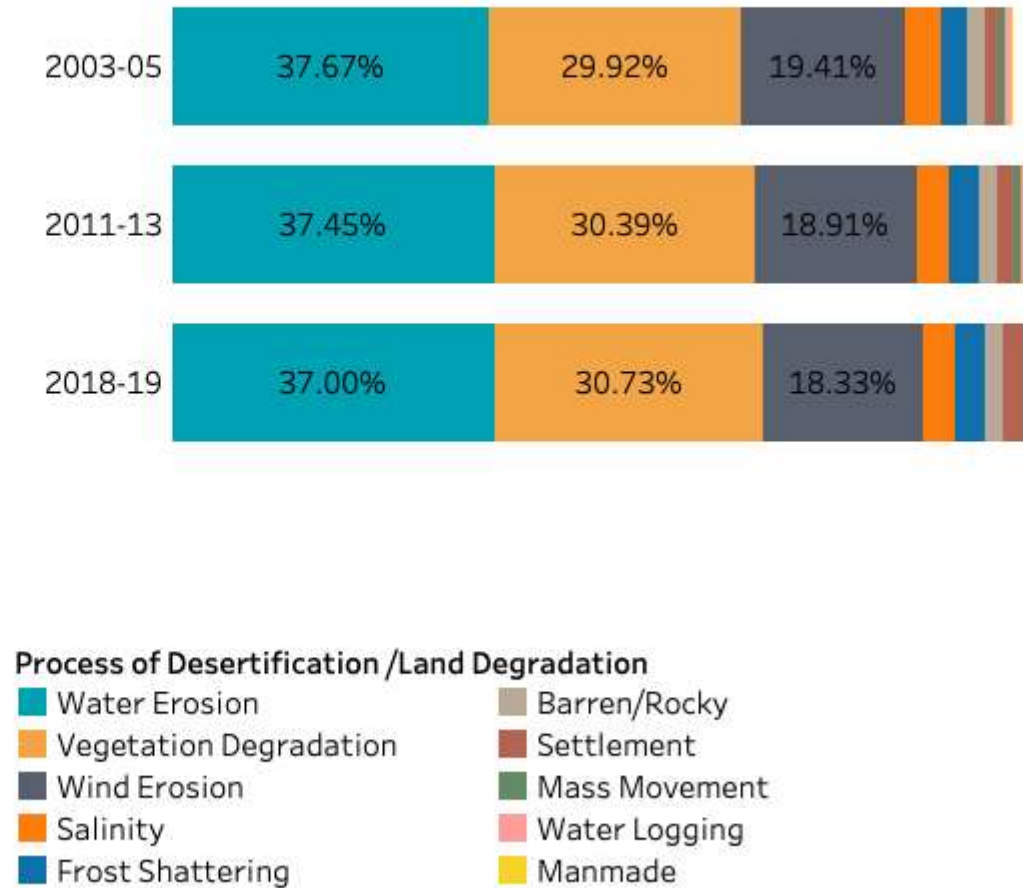
Mangrove in two states constitute to ~65% of India's total mangrove cover
42% -West Bengal
23% - Gujarat

Share of Area under Desertification/Land Degradation - India

Total Share (in %)



Share by Process of Desertification



As of 2018-19, 97.85 million hectares (29.7%) of India's total geographical area is under desertification.

In the last 15 years, desertification has increased by 3.32 million hectares.

Water Erosion, Vegetation degradation and wind erosion have been the three major contributor for land degradation/desertification. Together they constitute over 85% for the degradation.

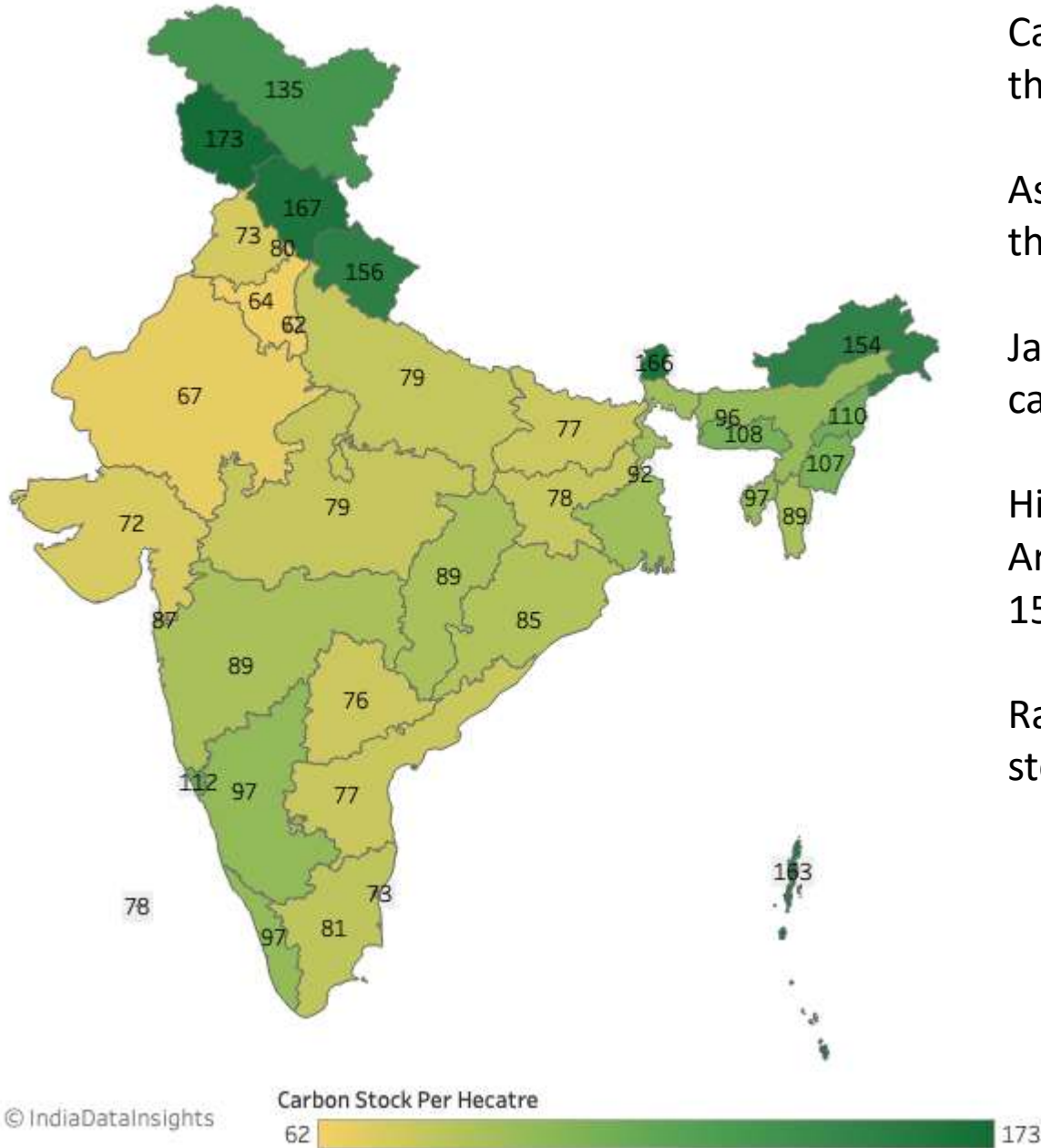
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Source: ISRO (Indian Space Research Organisation)

Notes:

Desertification is the process by which the biological productivity of drylands is reduced due to natural or manmade factors. Land Degradation is degradation of quality of soils and land utility which could be caused by multiple forces, including extreme weather conditions, particularly drought, human activities etc.

State-wise Carbon Stock (2021)



Carbon stock plays an important role in the climate change. Higher the carbon stock better is the environmental health of an area.

As per 2021 assessment, India has a carbon stock of 72 lakh thousand tonnes (~101 carbon stock per hectare of forest area).

Jammu & Kashmir leads the states with the highest amount of carbon stock per hectare – 173

Hilly regions states like Sikkim, Himachal Pradesh, Uttarakhand, Arunachal Pradesh have a per hectare carbon stock of more than 150.

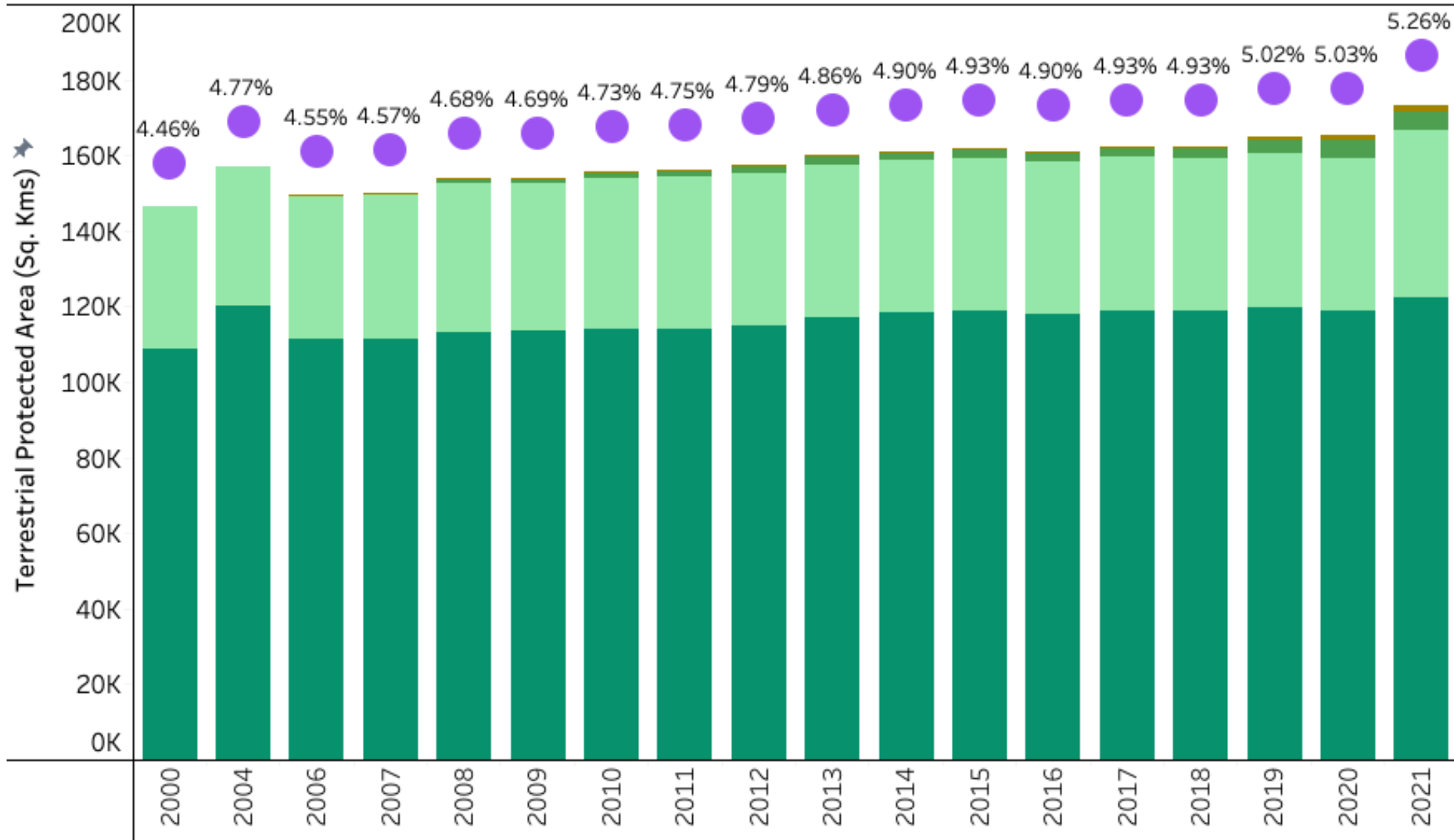
Rajasthan, Delhi and Haryana have the lowest per hectare carbon stock – less than 70

Source: Ministry of Environment, Forests and Climate Change

Notes: Carbon stock is contributed by 5 carbon pools – above ground biomass like stems, trees, barks etc., below ground biomass like roots, dead wood, litter and organic matter in the soil

Carbon stock per hectare – Carbon stock per hectare of forest area

Terrestrial Protected Area - India



Protected areas play a significant role in controlling poaching and trafficking of protected species of flora and fauna.

As of 2021,

- ~5% of India's geographical area is protected (terrestrial).
- Wildlife sanctuaries constitute 74% of the terrestrial protected area. 26% is by National Parks, conservation areas.
- Since 2004, ~8903 Sq. Kms. more of area has been marked as protected.

Source: Wildlife Institute of India

Notes: Sq. Kms – Square Kilometers; Terrestrial Protected Area includes National Parks and Wildlife Sanctuaries

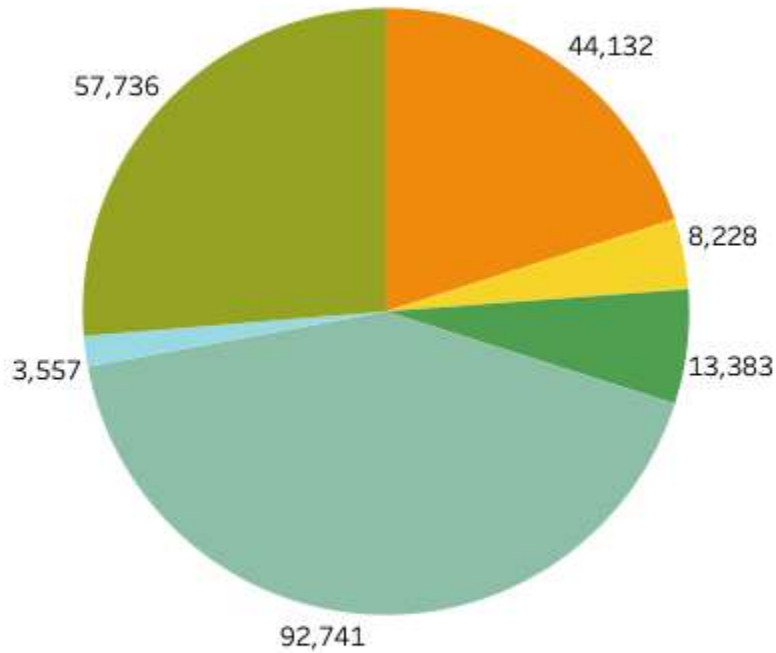
Terrestrial Protected Area (Sq. Kms)

- Community Reserves
- Conservation Reserves
- National Parks
- Wildlife Sanctuaries

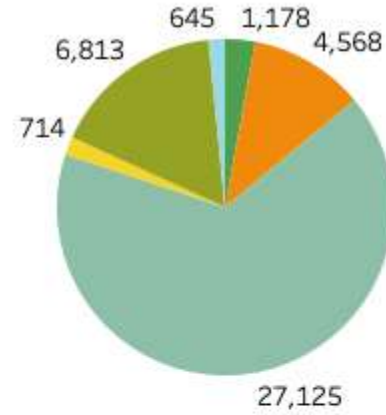
% Share of Geographical Area

Number of Fauna and Flora Species in India – 2021

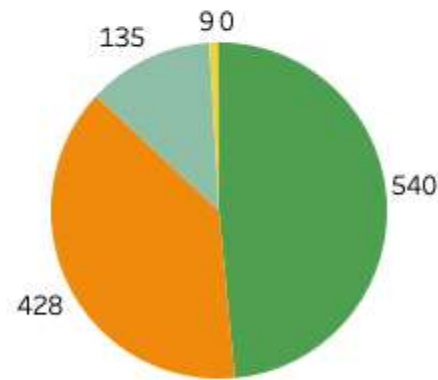
Total Species



Endemic Species



Threatened Species



Species

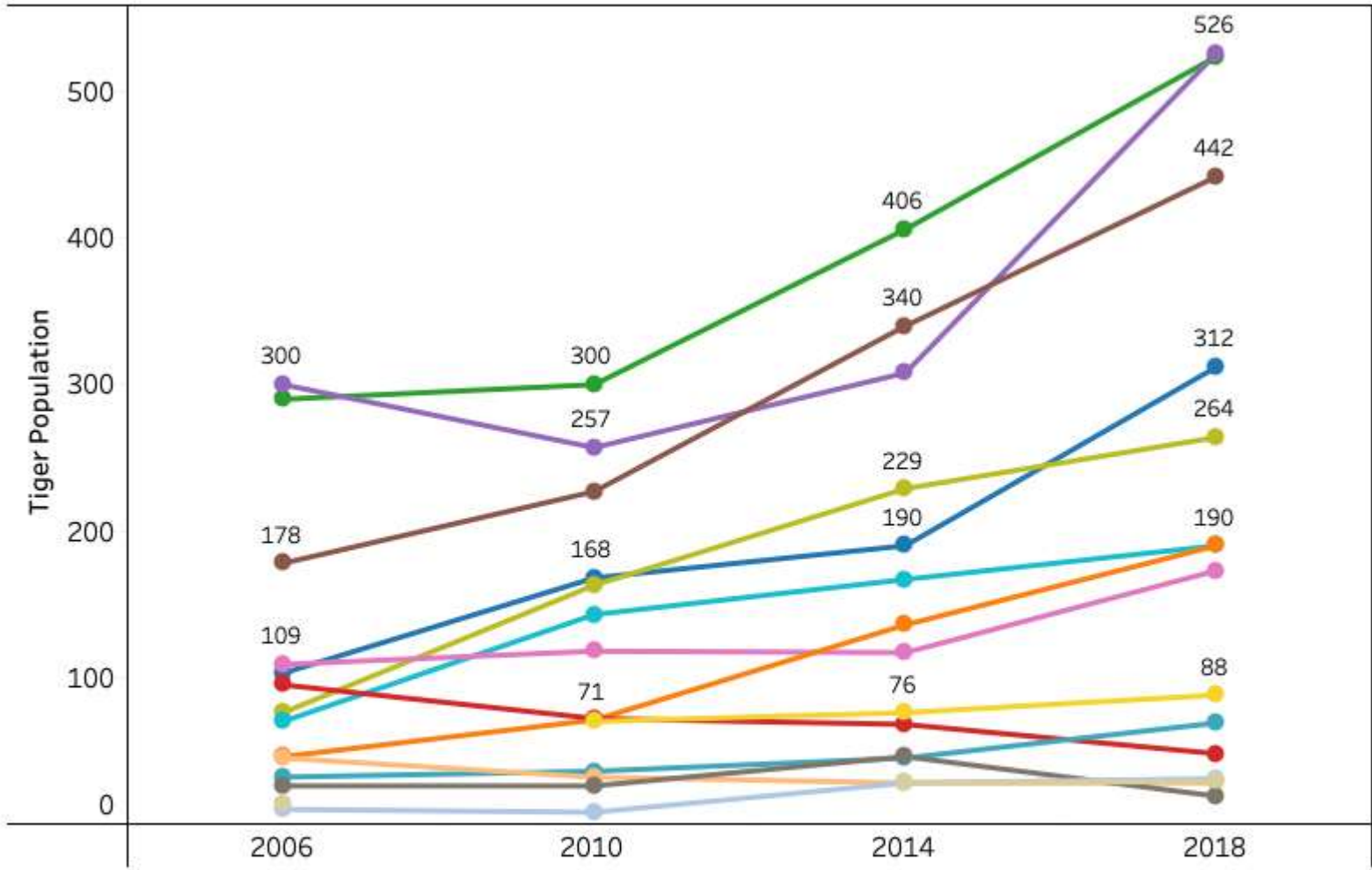
- Flowering Plants
- Non-flowering Plants
- Chordates, Cephalochordates and Urochordates
- Invertebrates
- Protozoans
- Others

Over 1.58 Lakh species (1,58,306) of flora and fauna are found in India. ~65% of the species are Fauna.

25% (~41 thousand) of these are endemic and 0.04% (675) species are considered threatened.

Source: Wildlife Institute of India

Growth of Tiger Population (Top States)



India Tiger population has more than doubled (110%) since 2006.

As of 2018, India has a total tiger population of 2967 an increase by 1557 since 2006.

35% of India's tigers are found in the two states - Madhya Pradesh (526) and Karnataka (524).

Uttarakhand state has seen the highest growth in tiger population (148% increase)

- State
- Arunachal Pradesh
 - Bihar
 - Chhattisgarh
 - Odisha
 - Rajasthan
 - Sunderbans
 - Andhra Pradesh
 - Kerala
 - Uttar Pradesh
 - Assam
 - Tamil Nadu
 - Maharashtra
 - Uttarakhand
 - Madhya Pradesh
 - Karnataka



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