



STATUS OF

SNOW LEOPARD

IN INDIA

2025



The Snow Leopard Population Assessment in India (SPAII) exercise led to the first ever rigorous examination of snow leopard populations in India, employing advanced methods such as occupancy modeling and camera trapping. The findings not only contribute significantly to our understanding of snow leopard ecology but also emphasize the ecological importance of the high-altitude environments they inhabit. The state/UT-level assessments, spanning from Ladakh to Arunachal Pradesh, offer valuable insights crucial for targeted conservation efforts. Overall, the SPAII provides a strong foundation for ongoing monitoring, conservation strategies, and collaborative initiatives coordinated through the proposed Snow Leopard cell essential for ensuring conservation of snow leopards in the Indian Himalaya.





**POTENTIAL
SNOW LEOPARD
RANGE IN INDIA**

107,594 Km²

38,718 Km²
LADAKH

12,000 Km²
JAMMU & KASHMIR

26,112 Km²
HIMACHAL PRADESH

12,764 Km²
UTTARAKHAND

3,000 Km²
SIKKIM

15,000 Km²
ARUNACHAL PRADESH

**CONSERVATION
STEPS**

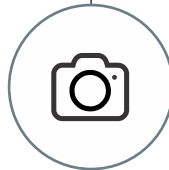
**3 GSLEP
Landscapes**
46,630 Km²

**3 Biosphere
Reserves**
21,300 Km²

**57 PAs covering
34% of Snow
Leopard Range**



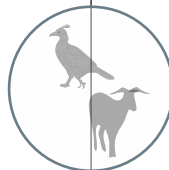
13,450 Km Trail surveyed to record Snow Leopard signs



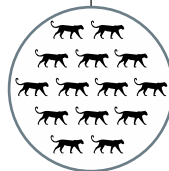
Cameras deployed at 1971 locations, for 1,80,000 trap nights



Around 43,545 Km² of effective area sampled for Snow Leopard occupancy, prey and habitat



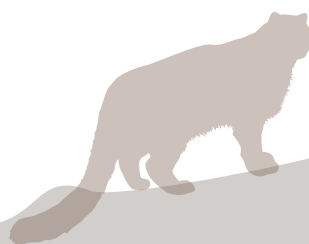
20.2 Lakh camera trap photographs, representing 196 species of birds and mammals

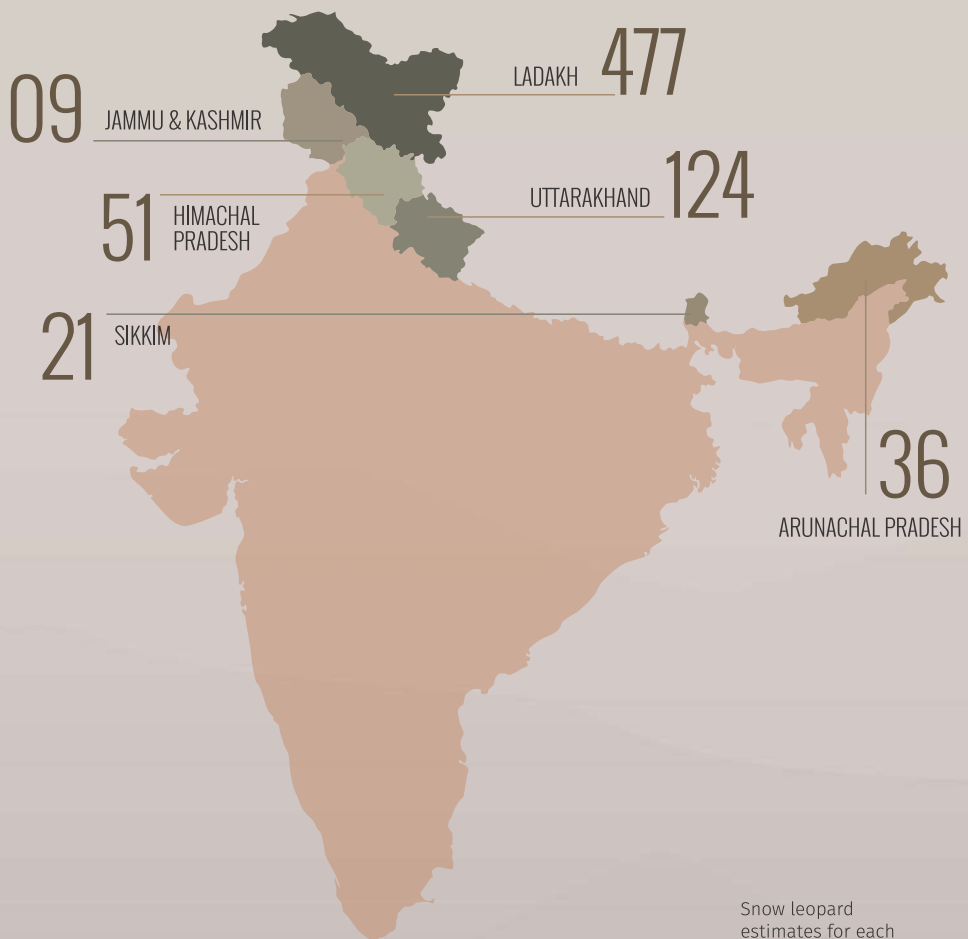


Snow Leopard occupancy recorded in 93,392 Km² and estimated presence in 100,841 Km²



241 unique Snow Leopard photographed. Population estimated to be 718 in entire occupied habitat of 93,392 Km²





Snow leopard estimates for each State and Union Territory.

Area	Camera Traps locations	No. of Unique Individuals	Density Estimates (#/100 Km ²)	Estimated numbers
Ladakh	956	126	0.34	477
Jammu and Kashmir	135	9	0.75	9
Himachal Pradesh	284	44	0.08 -0.37	51
Uttarakhand	382	40	0.7 -1.04	124
Sikkim	99	14	0.40	21
Arunachal	115	8	0.26	36
Total	1971	241	-	718

LADAKH

PHOTOGRAPHIC
RECORDS

126

UNIQUE
INDIVIDUALS

477

SE range ± 51

6,600 Km Trail
surveyed to record
Snow Leopard signs



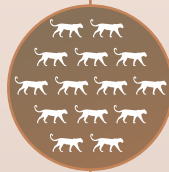
Cameras deployed
at 956 locations, for
97,313 trap nights

Around 8,604 km² of
effective area sampled for
Snow Leopard occupancy,
prey and habitat



4.5 lakh camera trap
photographs,
representing 97 species
of birds and mammals

Snow Leopard occupancy
recorded in 25,303 km² and
estimated presence in
47,572 km²



JAMMU AND KASHMIR



PHOTOGRAPHIC
RECORDS

09

UNIQUE
INDIVIDUALS

09

SE range 7-14

350 Km Trail
surveyed to record
Snow Leopard signs



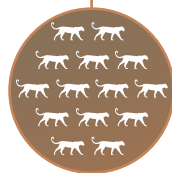
Cameras deployed
at 135 locations, for
20,207 trap nights

Around 2,825 Km² of
effective area sampled for
Snow Leopard occupancy,
prey and habitat



3 Lakh camera trap
photographs,
representing 21 species
of birds and mammals

Snow Leopard occupancy
recorded in 425 Km² and
estimated presence in 949 Km²



HIMACHAL PRADESH



PHOTOGRAPHIC
RECORDS

44

UNIQUE
INDIVIDUALS

51

SE range 29 - 73

1,500 Km Trail
surveyed to record
Snow Leopard signs



Cameras deployed
at 284 locations, for
17,040 trap nights

Around 5,000 Km² of
effective area sampled for
Snow Leopard occupancy,
prey and habitat



3 lakh camera trap
photographs,
representing 25 species
of birds and mammals

Snow Leopard occupancy
recorded in 25,000 Km² and
estimated presence in
25,000 Km²



UTTARAKHAND



PHOTOGRAPHIC RECORDS

40

UNIQUE INDIVIDUALS

124

SE range 103 - 145

1,200 Km Trail surveyed to record Snow Leopard signs



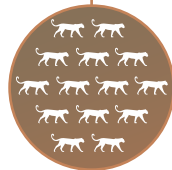
Cameras deployed at 382 locations, for 26,773 trap nights

Around 3,438 Km² of effective area sampled for Snow Leopard occupancy, prey and habitat



3.5 Lakh camera trap photographs, representing 28 species of birds and mammals

Snow Leopard occupancy recorded in 12,764 Km² and estimated presence in 12764 Km²



SIKKIM



PHOTOGRAPHIC
RECORDS

14

UNIQUE
INDIVIDUALS

21

SE range ± 3

1,400 Km Trail
surveyed to record
Snow Leopard signs



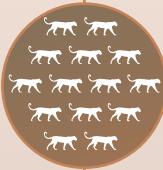
Cameras deployed
at 99 locations, for
9900 trap nights

Around 4,000 Km² of
effective area sampled for
Snow Leopard occupancy,
prey and habitat



6.2 Lakh camera trap
photographs,
representing 12 species
of mammals

Snow Leopard occupancy
recorded in 400 Km² and
estimated presence in 400 Km²



ARUNACHAL PRADESH



PHOTOGRAPHIC RECORDS

08

UNIQUE INDIVIDUALS

36

SE range ± 15

2,400 Km Trail surveyed to record Snow Leopard signs



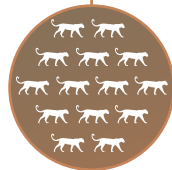
Cameras deployed at 115 locations, for 8,775 trap nights

Around 22,616 Km² of effective area sampled for Snow Leopard occupancy, prey and habitat



6.8 Lakh camera trap photographs, representing 13 species of mammals

Snow Leopard occupancy recorded in 29,500 Km² and estimated presence in 14,156 Km²





nature
conservation
foundation

