



# HUMAN WILDLIFE CONFLICT

**INTRODUCTORY TOUR PRESENTATION**

**GROUP A**

**SUBGROUP 2**

**ARUSHI MISHRA**

**BHARANI S.**

**DEEPIKA S.**

**DEVENDRA KUMAR**

**DIGANTH NAYAK**

**GAURAV R. WAGH**

# General problems of Corbett tiger reserve leading to human wildlife conflict



## A. NATURAL REASONS

1. TERRAIN
2. DENSITY OF FAUNA
3. TYPE OF FLORA

## **B. ANTHROPOGENIC REASONS**

**BOUNDARY MANAGEMENT  
ANIMAL RELOCATION  
TOURISM  
ECO CORRIDORS  
FRAGMENTATION**



## **C. MANAGEMENT REASONS**

- 1. RESOURCES - HUMAN AND FINANCIAL**
- 2. USE OF TECHNOLOGY**



# Humans entering animal habitation

- Kalagarh Dam project and the colony built within the Corbett Tiger Reserve.
- A lot of illegal settlements that have come up and the pressure they add to the degraded habitat.
- Building large dams that affect the natural free flow of the riverine system and thereby affect the Aquatic life system as well as the animals that depend on them.

- Division of political boundaries between Uttarakhand and Uttar Pradesh within the Corbett Landscape.
- Resorts that have come up in the Ramnagar Division has blocked the corridor that connected Corbett with the Kosi river and the adjoining reserve forest.
- Pressure of tourism in the core area like Dikhala Zone.

## Animals entering the human settlement area

- Crop raid: sugar cane field, elephant and other herbivore
- Livestock raid: cattle, dog by carnivore
- Settlement and roads
- For breeding, eg: leopard, tiger

# Issues

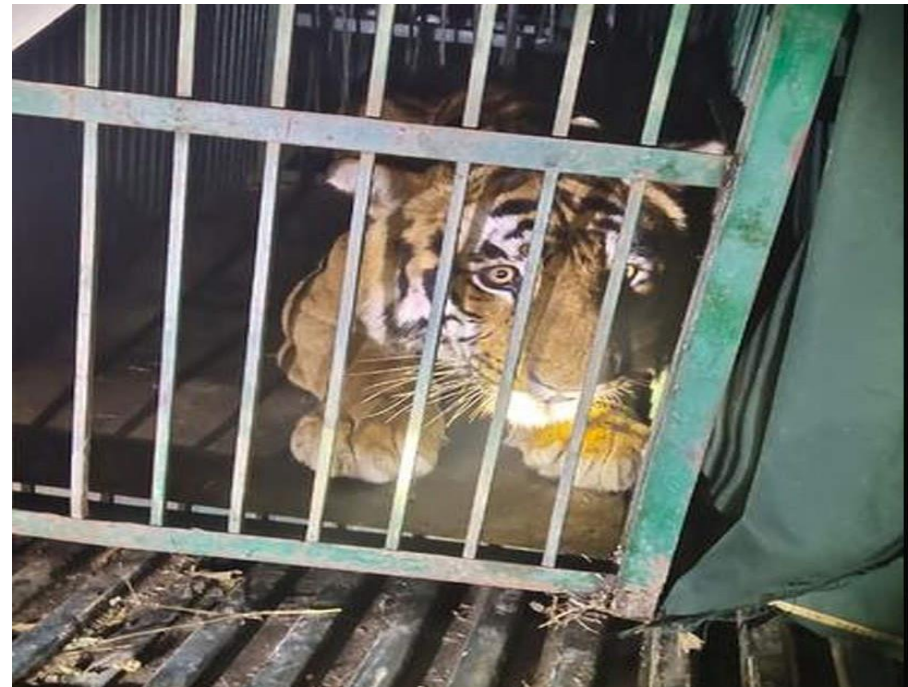
- Loss of human lives and property: 6 killed in last year leopard attack,
- Illegal Electrical fencing
- Revenge killing
- Violent mob attacking animals and forest department

# Management

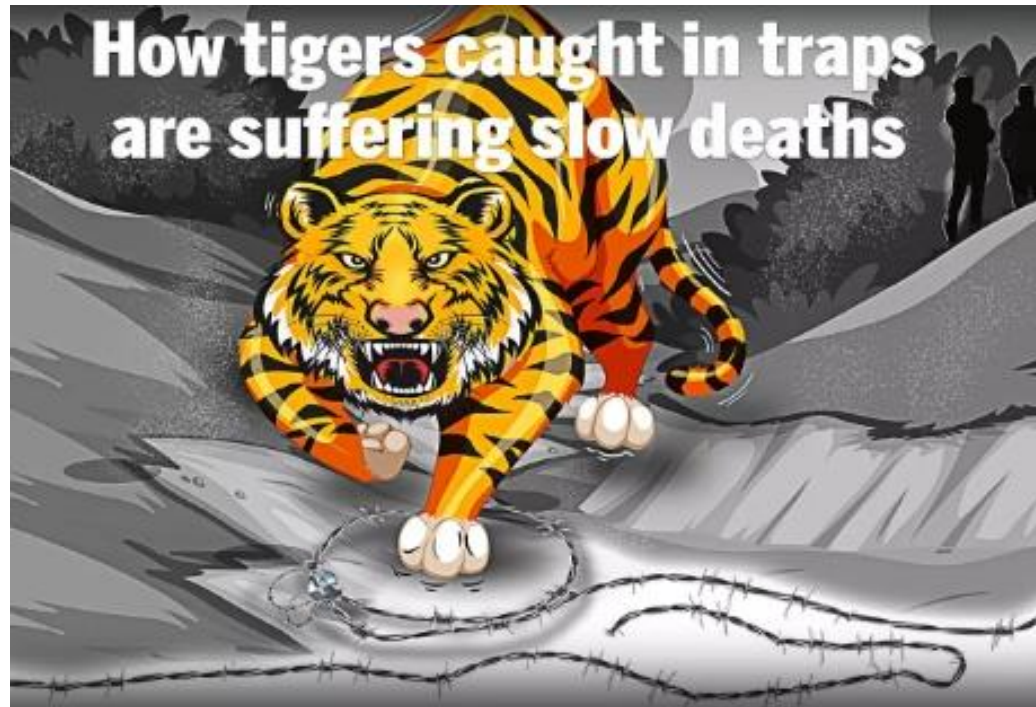
- Structures: elephant wall, trenches, fencing
- Capture
- camera traps
- Mob management
- Compensation
- Sensitize public
- Extension principles, contact leaders
- Conservation of habitat: availability of water and food inside national park



# THE MAN EATERS

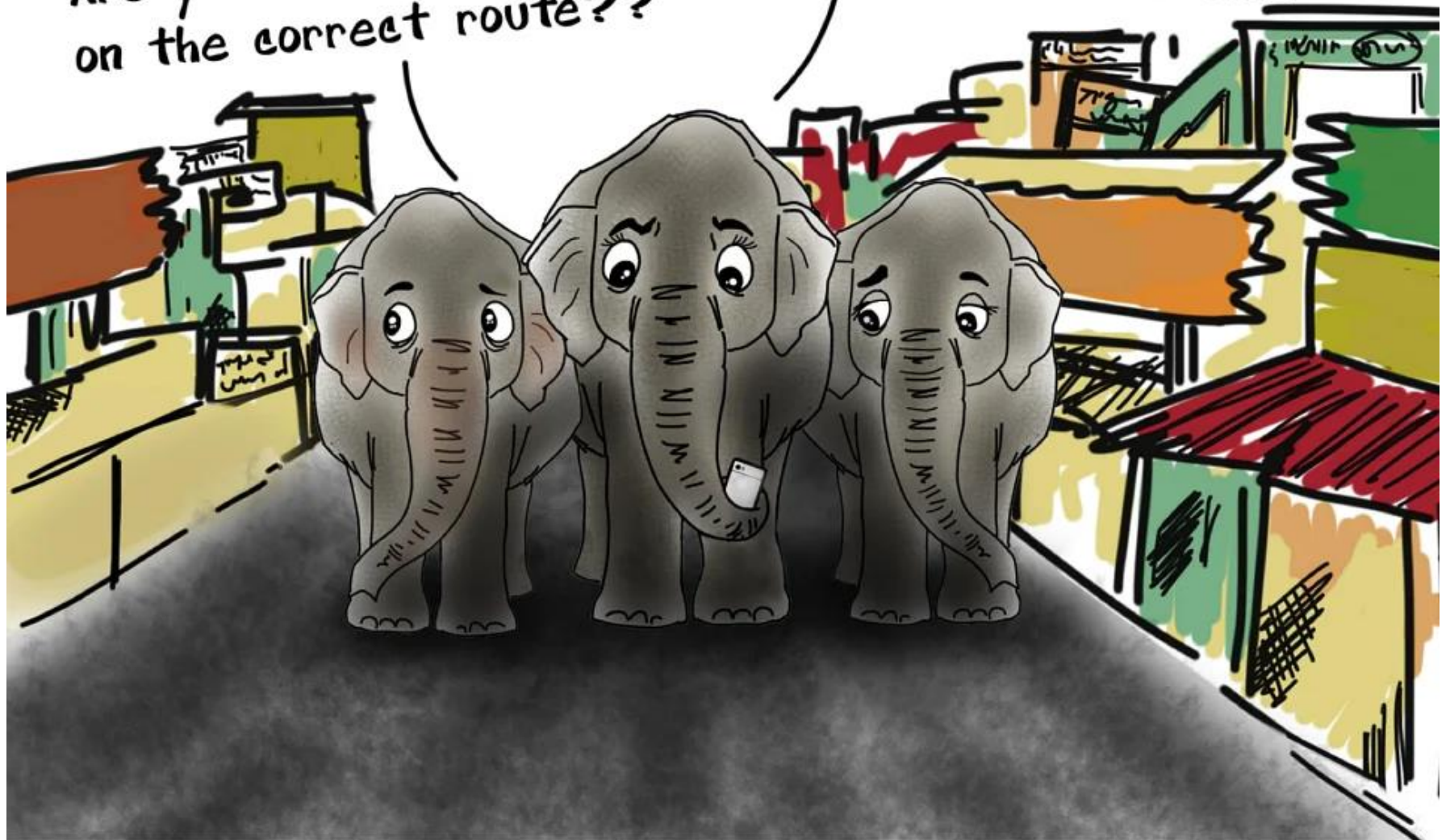


# HUNTING



Are you sure we're  
on the correct route??

I updated Google Maps  
just last week ...  
This used to be a forest!



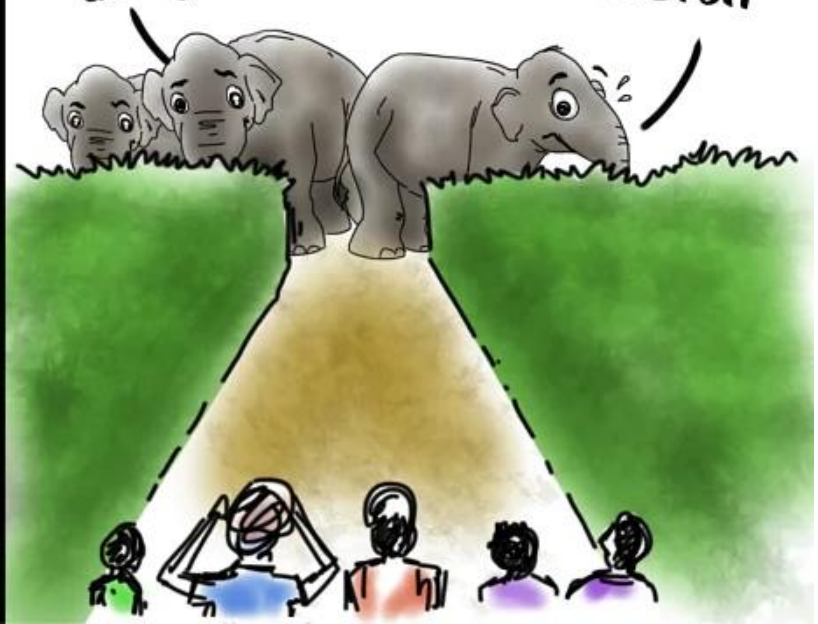
What are they  
doing here??

This is so  
stressful!



What are they  
doing here??

This is so  
stressful!



# What is being done ?

- Patrolling – Covers the forest once per month
  - On foot
  - Elephant based
  - All Terrain Vehicles
  - Drone
- Training
  - Forest Officers
  - Locally employed staff – drivers, guides etc.
  - Awareness for local population

# What is being done ?

- Habitat management : Maintain prey population
  - Grassland - Dhara
  - Water resources- Artificial Waterholes
- Prevent wildlife from exiting forest
  - Gandhi gun – directing animals
  - Patrolling timing
- Eco-tourism
  - Employment– Valuing wildlife
  - Cooperation- saving cubs

# What is being done ?

- Use of Technology
  - e-Eye
    - Eight GPS-enabled digital infrared thermal surveillance cameras installed from Ramnagar to Kalagarh covering 400km
  - Drone
  - Camera Trap
    - movement and territory
  - Wireless Messaging
  - GPS log and m-Stripes

# What can be done ?

- Natural barriers: Bees, hot peppers and fish ponds
- Disguise: Mask on back of head
- Texting: Elephant tracking collars embedded with **SMS chips**
- **Corridors: Safe pathways**
- **Mapping: Identifying conflict hotspots**
- Ecotourism owned and operated by local communities
- Stop destruction and diversion of forest land
- Swift delivery of compensation



# Continue..

- Educating local communities: Basic knowledge and crowd control
- Increase prey base
- Infrared and thermal sensors in hotspots of conflict- buffer patrolling
- Area specific population control strategies
- Human wildlife interaction rather than Human wildlife conflict
- Human resources augmentation eg Bijnore territorial division
- Tiger translocation – 5 to Rajaji
- Digital system integration- auto detection, pattern analysis

A yellow rectangular sign is mounted on a weathered, brownish-grey wall. The sign features four lines of bold, black, sans-serif text. The wall behind the sign shows signs of age and wear, with some white and greenish patches. The text on the sign reads: SHOOT NOTHING BUT PICTURE LEAVE NOTHING BUT FOOT PRINTS.

**SHOOT NOTHING  
BUT PICTURE  
LEAVE NOTHING  
BUT FOOT PRINTS**