

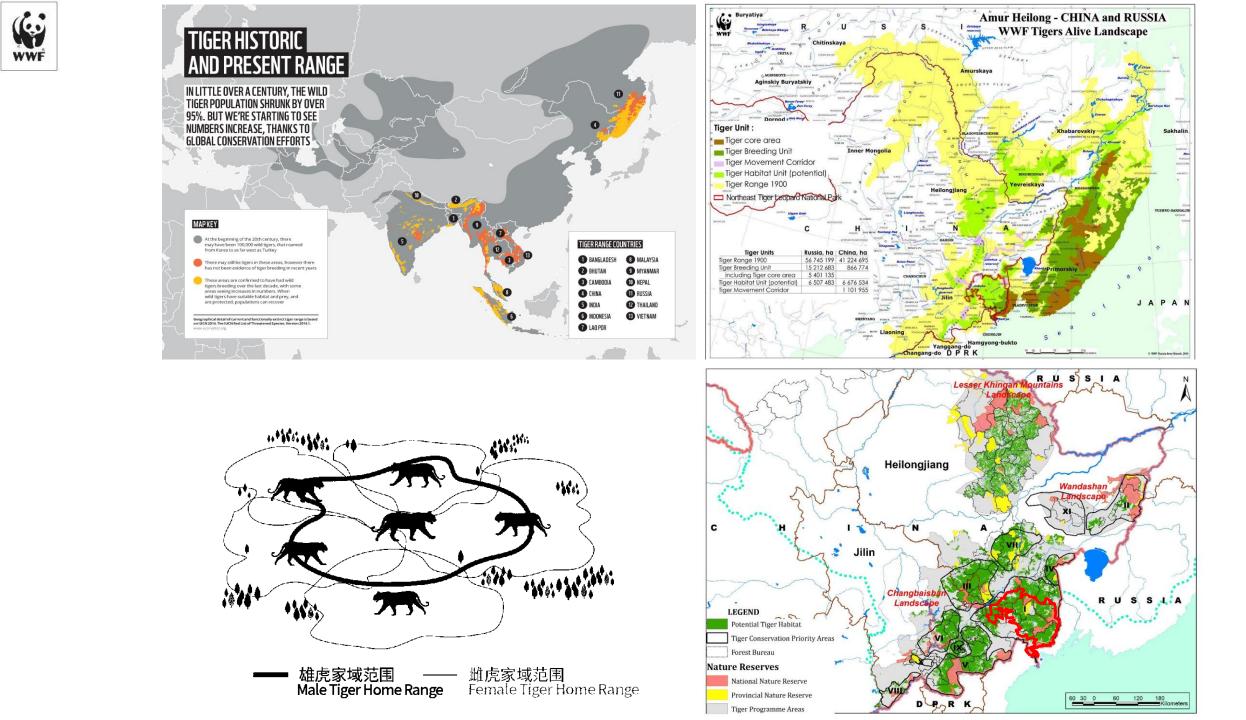
NEEDS OF BIG CATS CONSERVATION FOR COMPUTER ROHIT SINGH PEIQI LIU

Zero Poaching Lead

+100

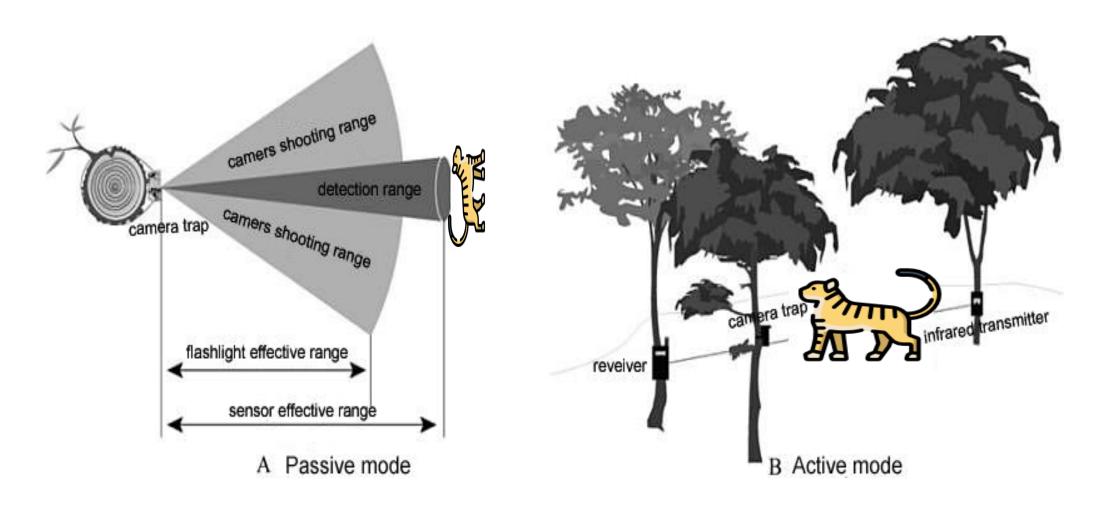
Director WWF Tiger Alive Initiative WWF NEC Regional Office



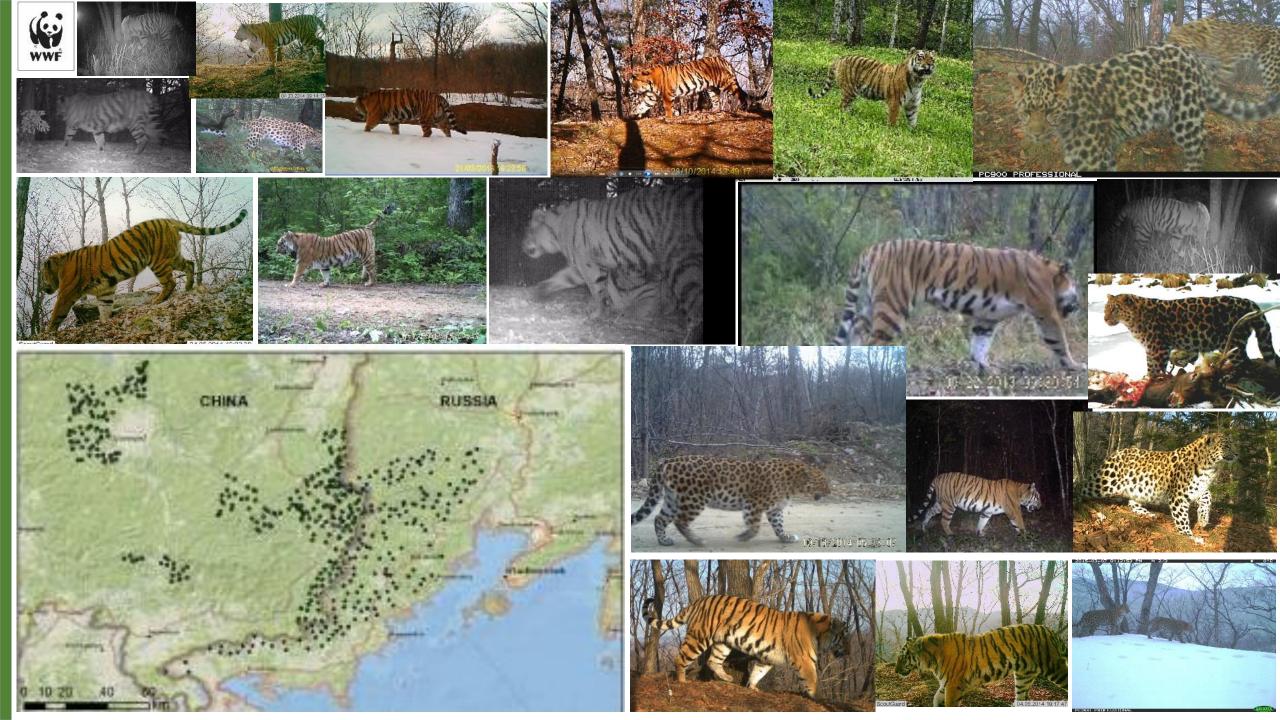




CAMERA TRAPPING









Estimation to Wildlife Population

VS



Camera Trapping Survey



Traditional Field Survey

- Capture Re-capture Model
- Base on the data of individuals of wild animals
- More precise
- Easy-use for monitoring the population of wild animals

- Transect or sample survey
- Base on marks and signs Experience dependent
- Less precise
- Difficult for monitoring the population of wild animals



Estimation to Wildlife Population

Camera Trapping Survey

Challenge

- Huge amount of blur and useless images caused by overexposure, the dim and darkness, advanced or tardive triggering and mis-triggered by environment
- Huge workload for filtering and processing the mega data
- Storage and transmission of



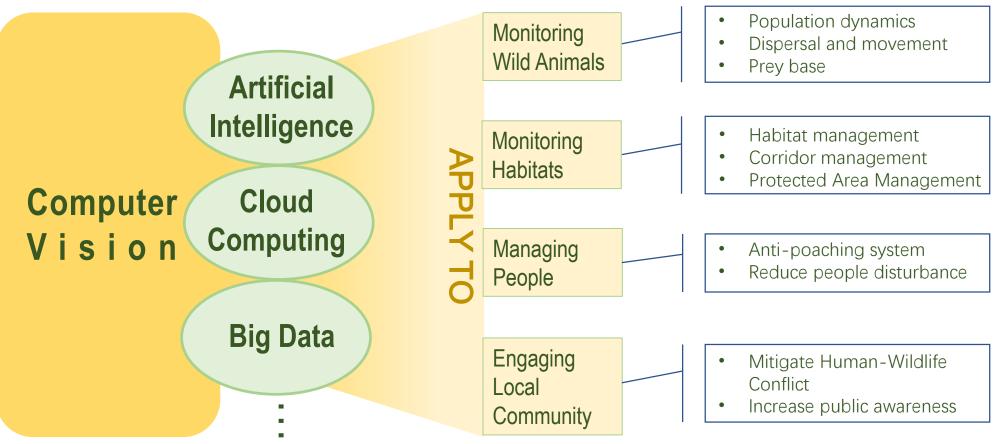




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What Does Wildlife Conservation Need?

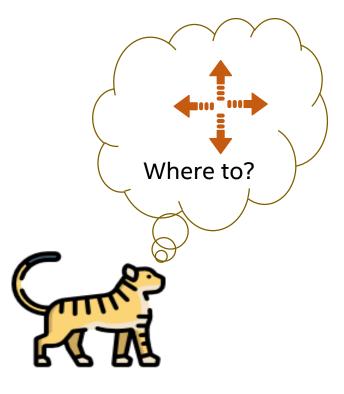


Monitoring Wild Animals

- Monitoring the trend of the population
- Studies on prey base

WWF

- Population behavior (dispersal and movement mode)
- Studies on the population structure







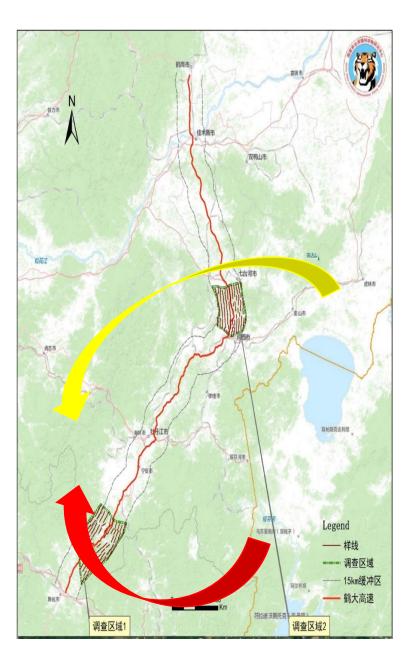
Bottleneck of Habitats

• Ensuring enough area

- stop logging and restoration
- Ensuring the quality
- tiger friendly forestry management
- Ensuring the connectivity

- corridor identification/construction/ monitoring/management

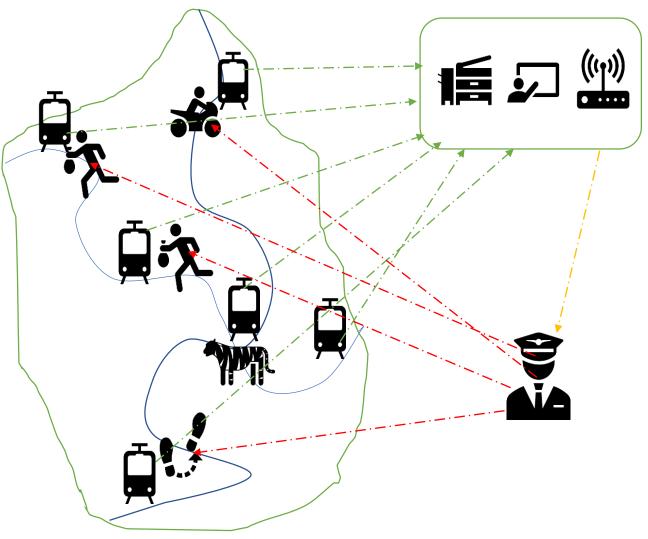
HABITAT ASSESSMENT HABITAT RESTORATION (reference for restoration) HABITAT MANAGEMENT





People Management

- Halt poaching
- Reduce people disturbance
- Mitigation HWC



Together, possible!



