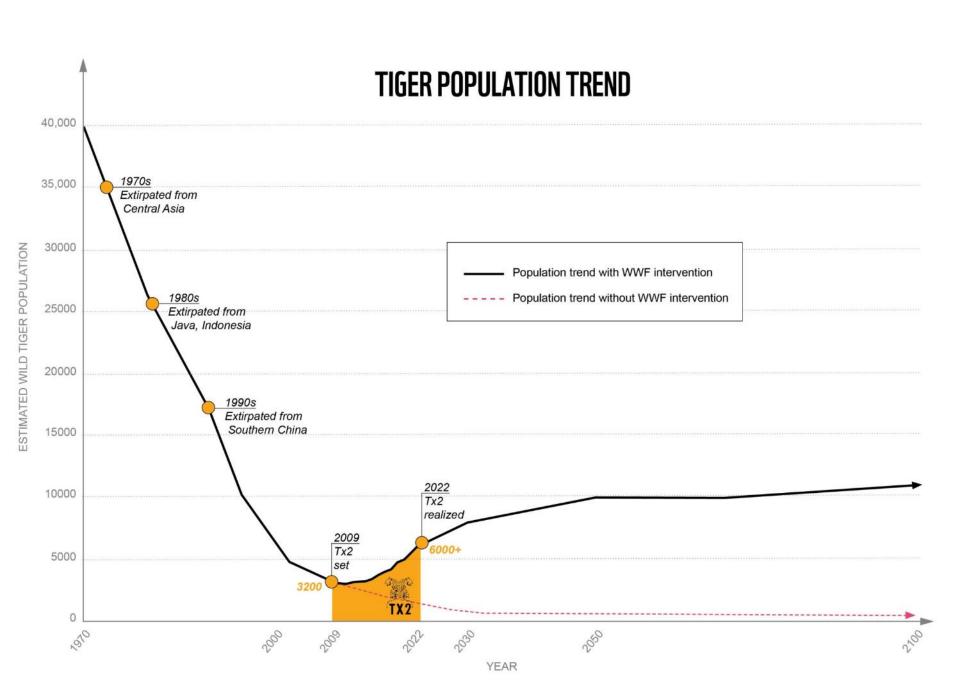


Mike Baltzer
WWF Tigers Alive Initiative

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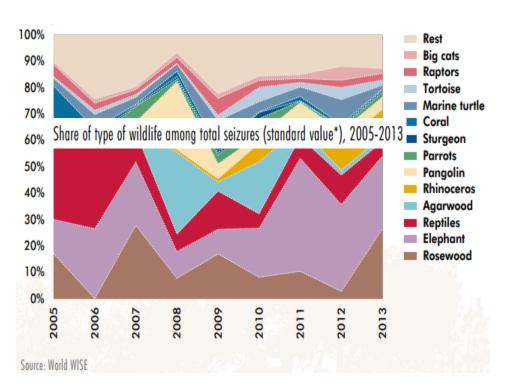








Illegal Wildlife Trade



Scale of **internet trade**: 6 week investigation by IFAW in 2014: 33,006 endangered wildlife parts/products found on 280 online platforms.

Responses to internet trade

- Social media monitoring (investigative purposes)
 - Individual + analysis of wider social networks
- "Whack-a-mole"
 effect: small groups
 in messaging apps
 are the current
 challenge
 (WhatsApp, WeChat,
 and in case of recent
 Malaysia study,
 closed Facebook
 groups)



Working directly with major web platforms to prohibit sale of illegal wildlife:

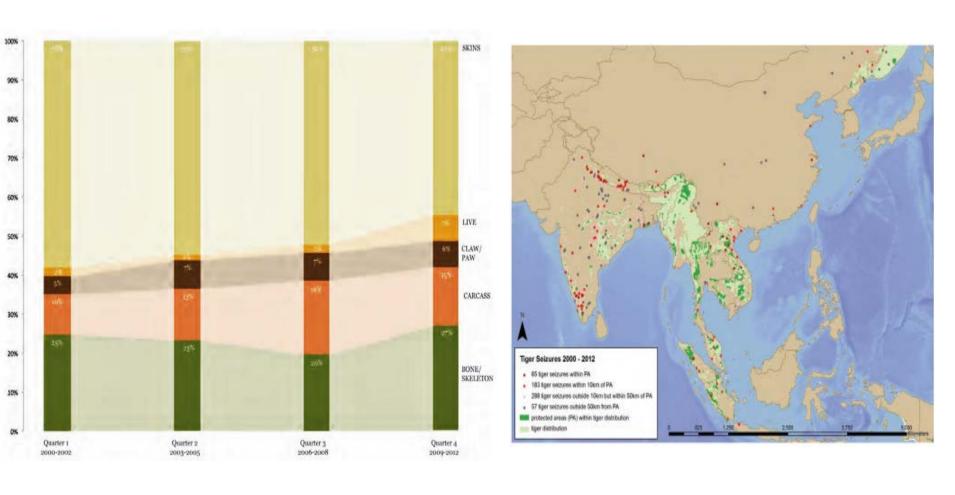
Chinese online retailers say "No" to illegal wildlife products



Representatives from nine major online retailers signed the declaration to prevent illegal wildlife trade @ TRAFFIC

Hangzhou, China, October 2014—Nine of the leading online retail sites in China, including Alibaba, Tencent, Sina, Airmedia, SMG and arton net agreed earlier this month not to provide opportunities for promotion or trade of illegal wildlife products on their platforms.

Trade in Tiger Products – Seizure data

















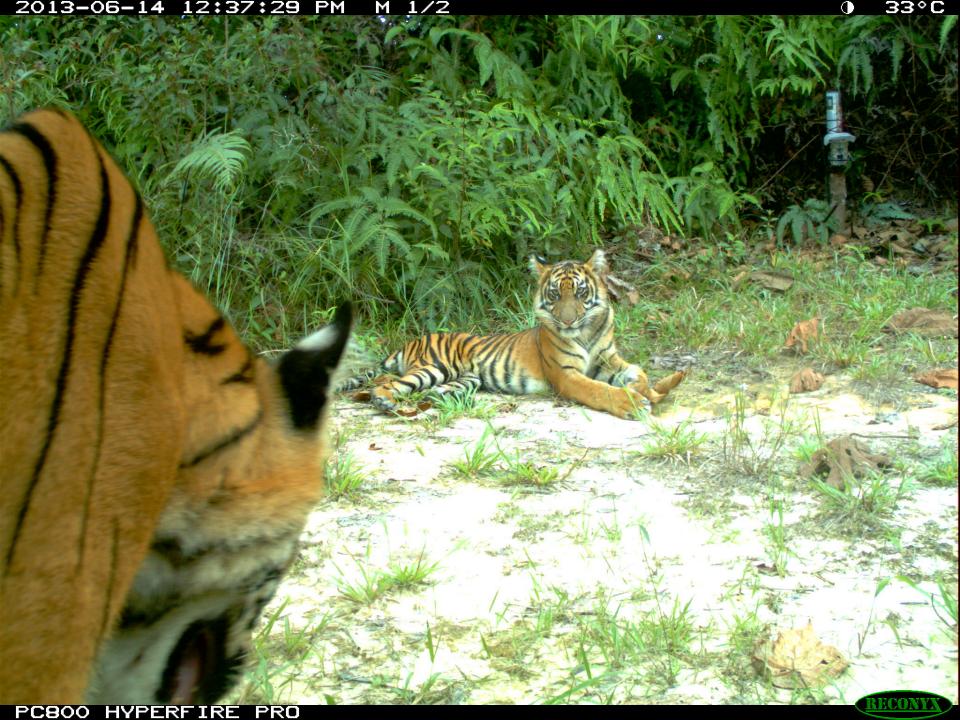


Example of technology in combat illegal wildlife trade

- GPS and real-time data apps for patrol rangers (SMART, etc.)
- Placement of GPS trackers in wildlife products
- Large data mining projects, new computational models, and improved pattern analysis (TRAFFIC)
- DNA and stripe pattern databases for tigers (captive and wild) TRACE, etc.
- Remote sensing or drone surveillance
- Improved crime scene forensics tools (small and fast species DNA identification tools, etc.)
- Real-time camera monitoring or camera trap networks
- Infrared and heat sensors (*stationary* at strategic locations such as PA perimeter or *mobile* drone mounted, etc.)
- Apps to identify illegal wildlife in markets (WildScan)
- Anonymous 'whistleblowing' websites (WildLeaks, etc.)











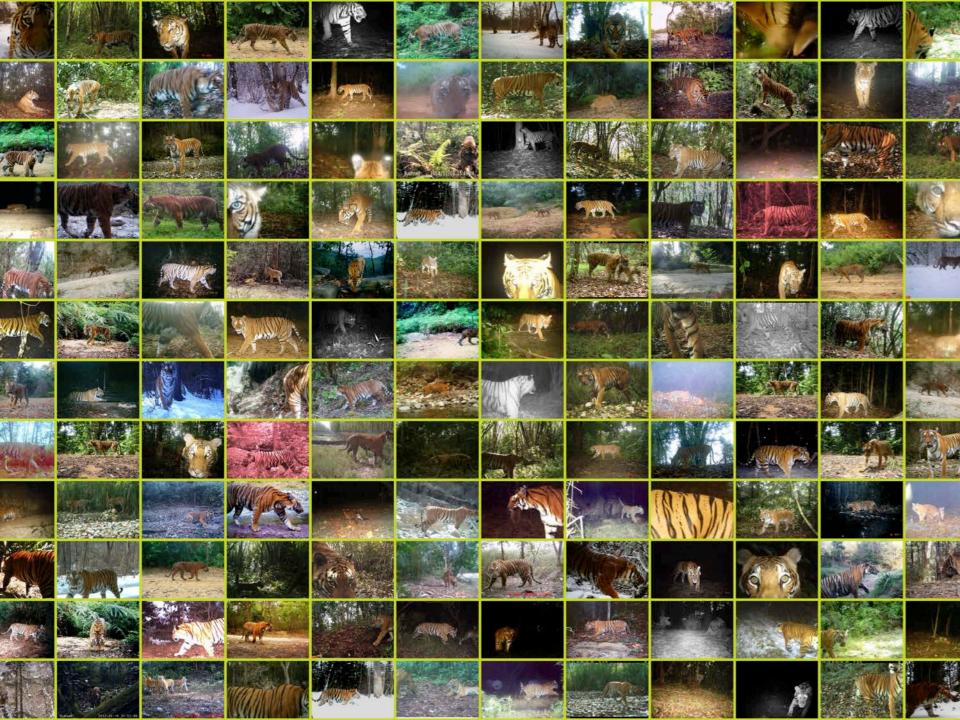


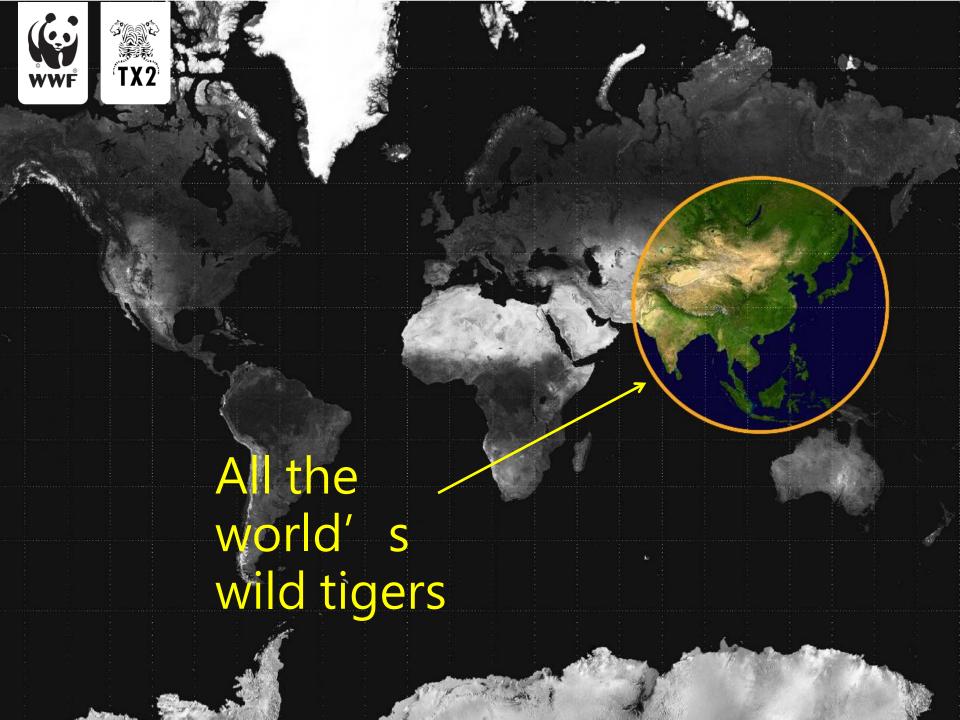


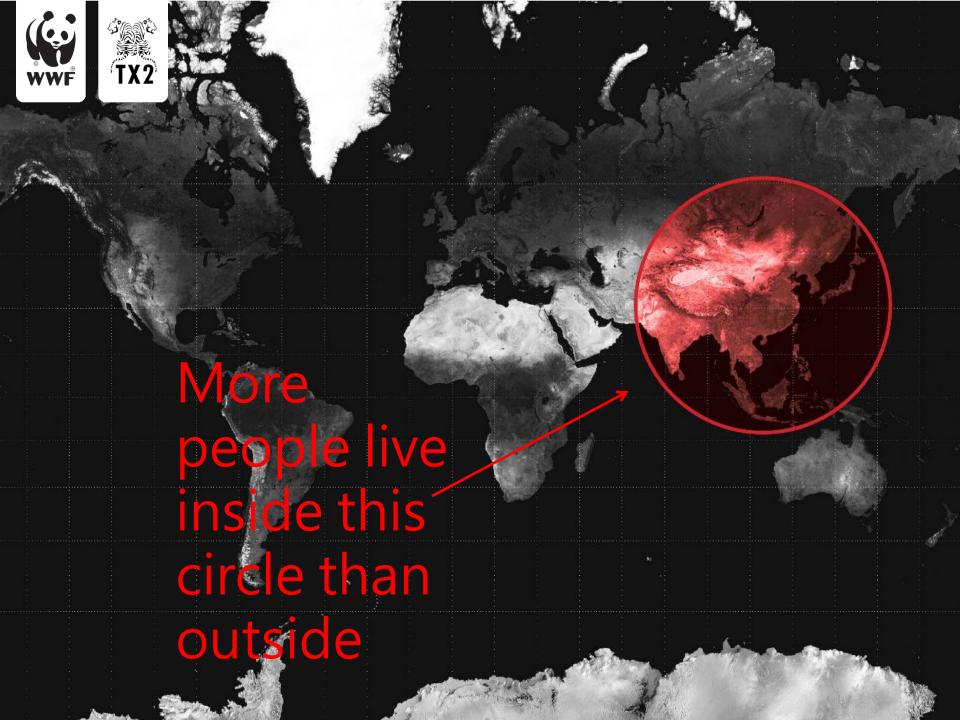












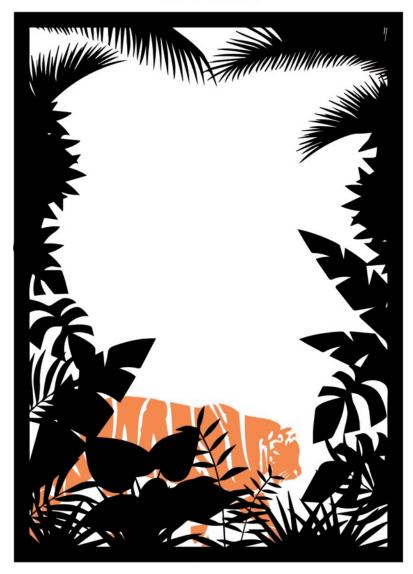






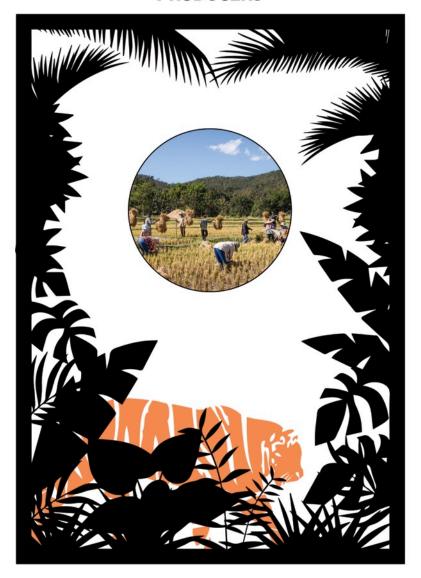


THE FOREST THE CITY

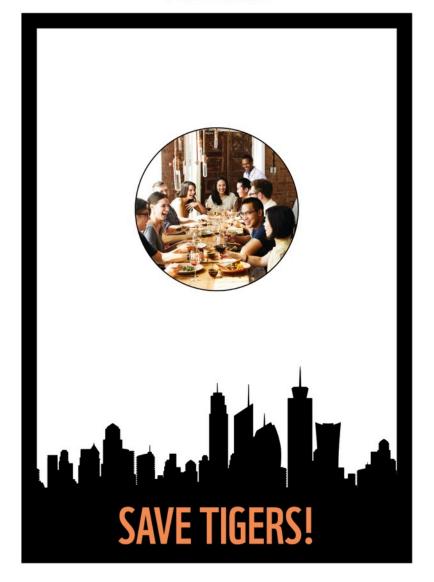




PRODUCERS



CONSUMERS

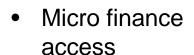




For farmers

 Land profiles with crop metrics





- Access to global markets
- HWC management tips
- Premium prices





For buyers

Farmer dashboards



• Product



• Village area



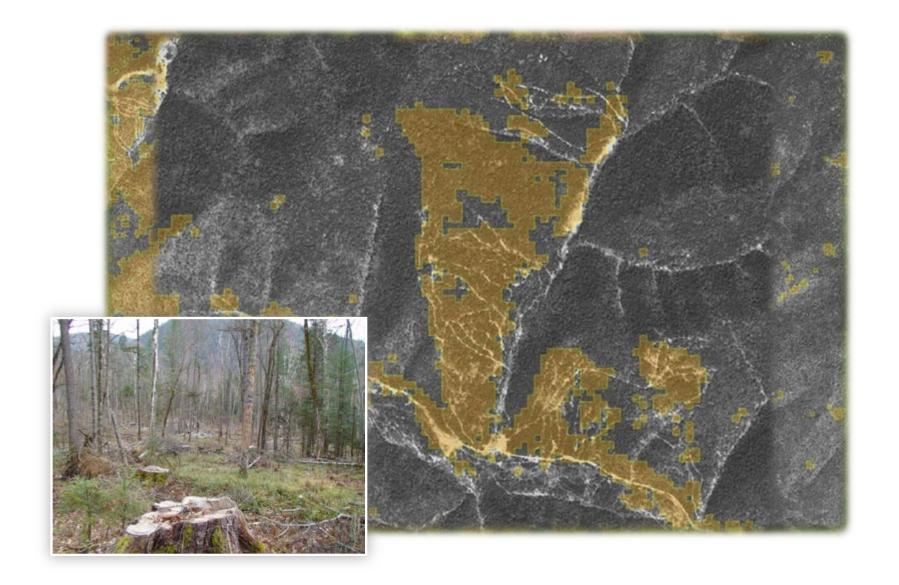




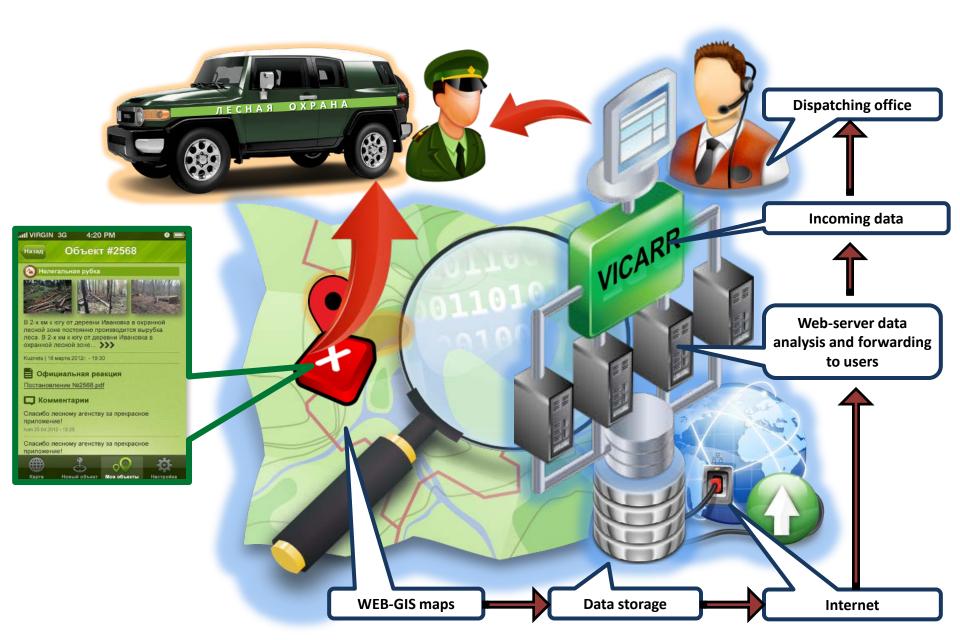


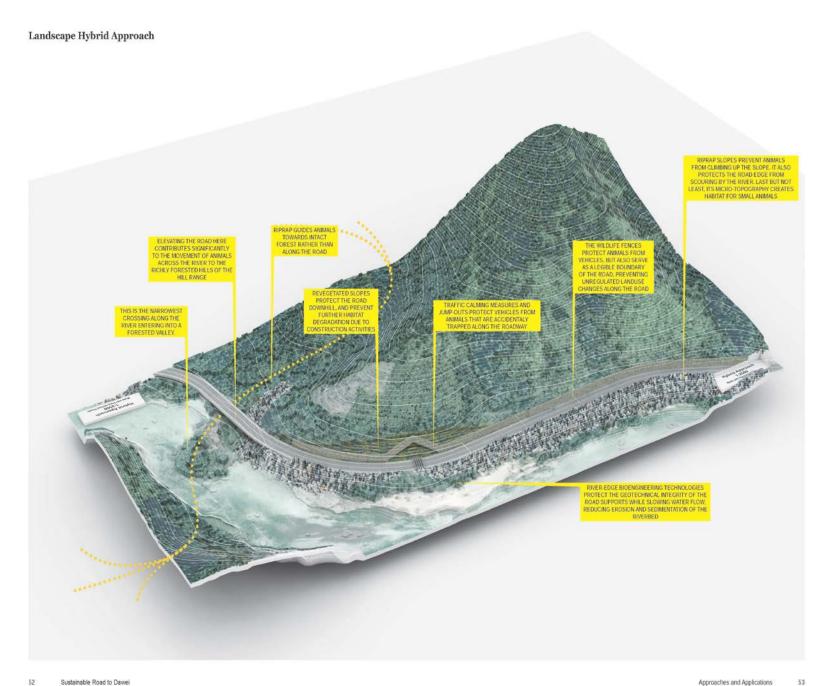


Detects changes in forest cover as small as 0.2Ha, based on the resolution of space image 15 m/pix

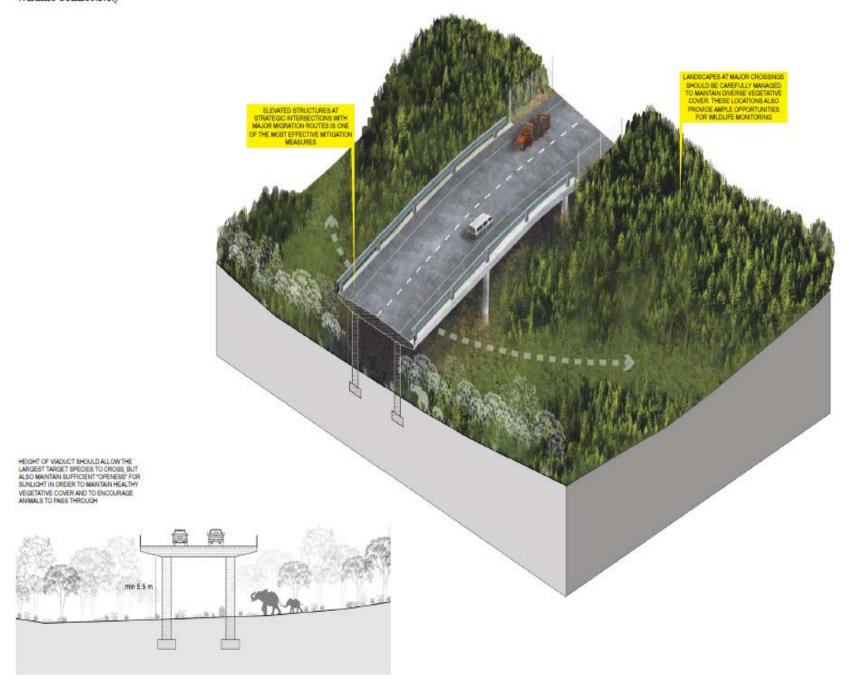


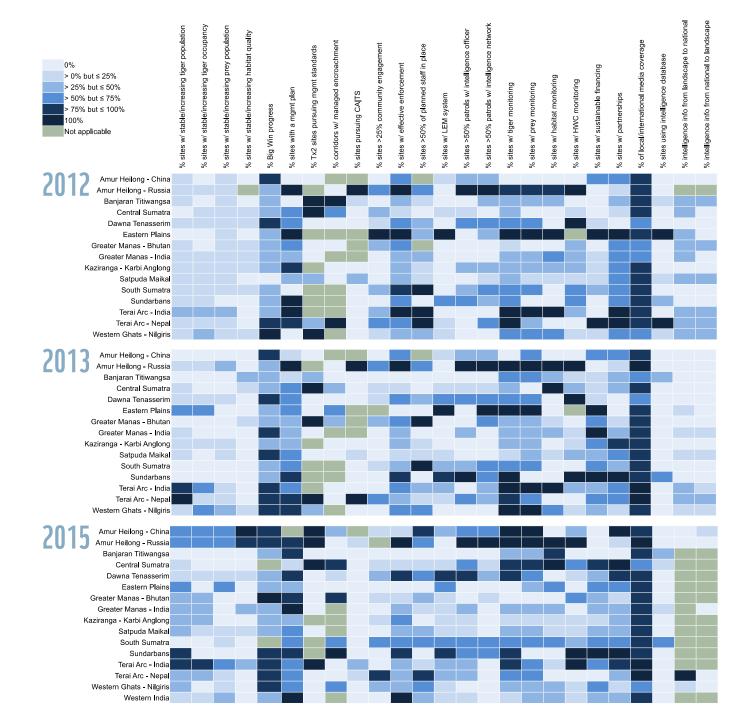
KEDR: How It Works





Sustainable Road to Dawei Approaches and Applications





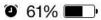












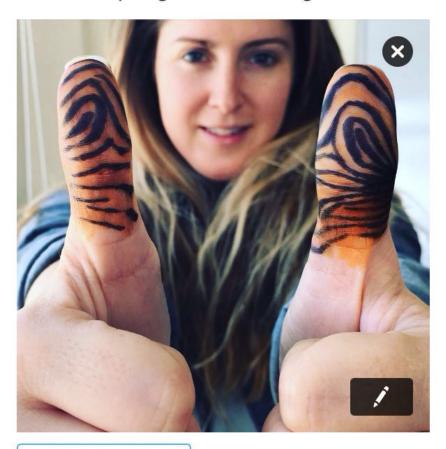


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Tweet



Happy Global Tiger Day! #thumbsup4tigers #doubletigers



Who's in this photo?

