Moving Toward An Integrated Approach To Camera Trapping Research

Challenges and Potential Solutions

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Nationwide Leopard Monitoring

- Intensive camera trapping since 2013
- Spatial capture-recapture to evaluate population trends
- Inform Provincial and National Policy
• Over 6 million images
• Collect, store and process
• Image classification nightmare
• Data management nightmare
Raw Images → Auto-processed → Structured Data

Hosted in the Cloud

Hosted locally

Attributes

Deep Learning & Citizen Science
Analysed using super-computers

Collaborate globally

Safely Backup

Secure (AES-256)
Thanks