Setting practical conservation priorities for birds in Colombia
...and then implementing them

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ATBC – Costa Rica
1850 bird species
72 endemics

Jenkins et al. 2013. PNAS. In press
Introduction

High diversity and endemism
18% world’s species in <1% surface

Rapidly growing threats
Deforestation, agriculture, mining, dams

Low conservation budget
New PAs, land purchasing, law enforcement

Outdated bird info
Range maps, threat categories

Practical conservation priorities
Aim

Find the best area for bird conservation in Colombia

- More endemic, threatened, and small-range bird species
- Conservation opportunities
Current BirdLife-IUCN Maps

Endemic and small-range species (<100,000Km²)
N = 171

Threatened species (VU, EN, CR)
N = 42
Updated Map

Endemic and small-range species
N = 171
Methods – Range refining

Black Inca
*Coeligena prunellei*

BirdLife Polygon = 7865 km²

Refined by elevation = 7175 km²

Refined by elevation and habitat = 1900 km²

Suitable Land Cover
Refined by elevation and habitat = 1900 km²

24% Original range
Highly fragmented
New IUCN category?
Hotspots

Before refining

N=171

After refining
Threatened Species

Before IUCN reassessment (N=42)  After IUCN reassessment (N=69)
Implementation

Biggest bang for the buck!
Thank you!

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