



**Wildlife
Conservation
Society**



SPATIAL MONITORING
AND REPORTING TOOL



SMART ADOPTION

Case Study: COLOMBIA



GLOBAL
WILDLIFE
CONSERVATION



Padu Franco C.

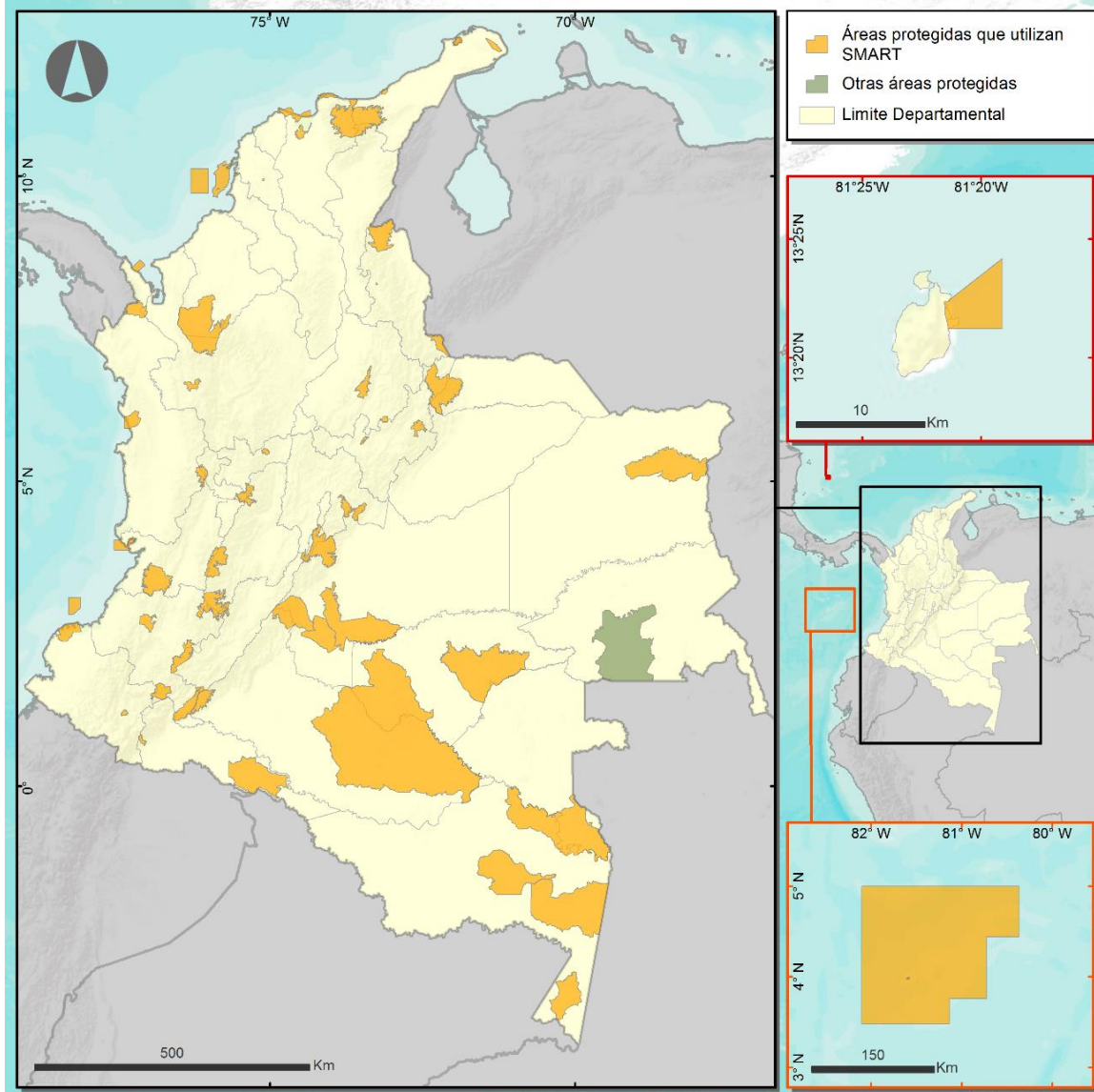
Director, Andes-Amazon-Orinoco
Wildlife Conservation Society

SMART adoption in Colombia



1. Brief history of SMART in Colombia
2. What it took
3. Current status of SMART use in Colombia
4. Challenges
5. Next steps





- 2013 ● First trials to assess applicability and first training workshops with National Parks Unit (NPU)
- Feb-Jun 2014 ● Training workshops on the use of SMART in all territorial directorates of the NPU
- July 2014 ● Official adoption of SMART as the tool for control and surveillance in PAs administered by the NPU
- 2015-2016 ● Support to the implementation of SMART in individual PAs and development of control and surveillance conceptual framework
- 2017 ● SMART Connect tested in 4 PAs, and 52 PAs using SMART to manage control and surveillance information
- 2018 ● Almost all PAs administered by the NPU effectively using SMART and configuration of SMART Connect at the central level
- 2019 ● Support implementation of SMART connect

SICO – SMART: Current use by the National Parks Unit



SICO-SMART is being used as the sole information system for control and surveillance:

- ✓ Capture, management and report of pressures in protected areas, mainly through control and surveillance patrols
- ✓ Reports on the main threats affecting the protected areas
- ✓ Information used to inform decisions on control and surveillance*
- ✓ Sightings of focal species in protected areas



SMART – Modules/extensions being used by the NPU




**SMART
CONNECT**
A Cloud-based extension to the SMART suite of tools for enhancing protected area management



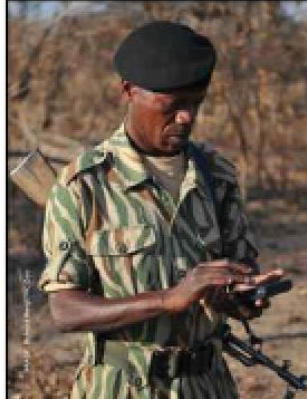
Full adoption
in progress






**SMART
MOBILE DATA
COLLECTION WITH
CYBERTRACKER**
The best solution for capturing data and monitoring conservation activities in protected areas




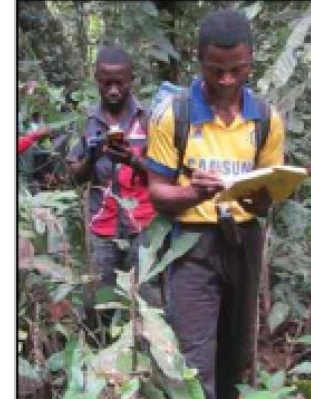
In progress*





**SMART
LAW ENFORCEMENT
MONITORING**
The World's leading tool for conservation law enforcement monitoring




**SMART
MARINE**
The World's leading tool for conservation law enforcement monitoring




**SMART
ECOLOGICAL RECORDS**
A tool for the capture, management, mapping and analysis of ecological monitoring data for conservation in protected areas



Pilot phase



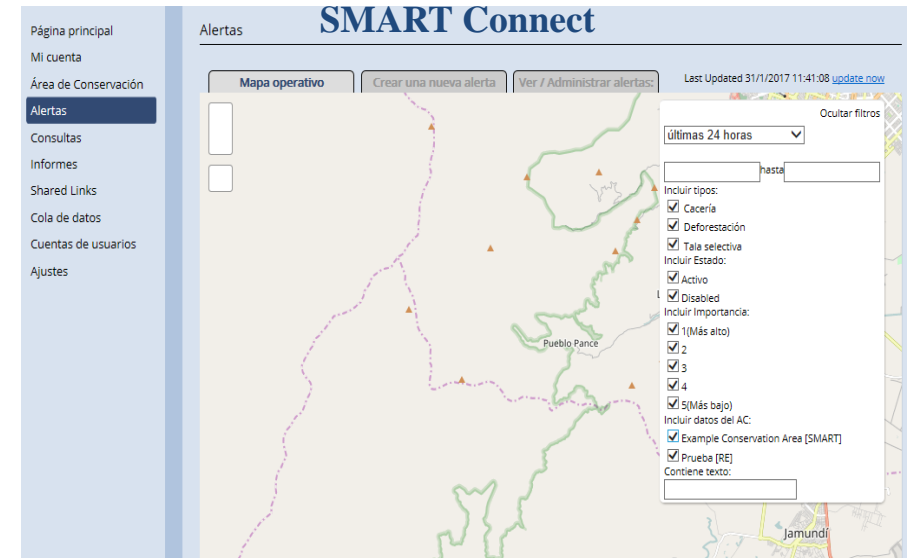
SICO-SMART: What it took

Extensive and continuous training and support

- ✓ More than 35 formal training and 80 one-on-one capacity building meetings

Equipment and services at the central level and in the field:

- ✓ Server with enough capacity
 - ✓ Laptops in each protected area
 - ✓ Mobile devices with GPS capacity
 - ✓ Internet connectivity*
- } ~USD 500 - 3,500



SMART – Current use in Colombia



Parques Nacionales Naturales (SICO-SMART)

58 Protected Areas (12 coastal/marine and 36 terrestrial)

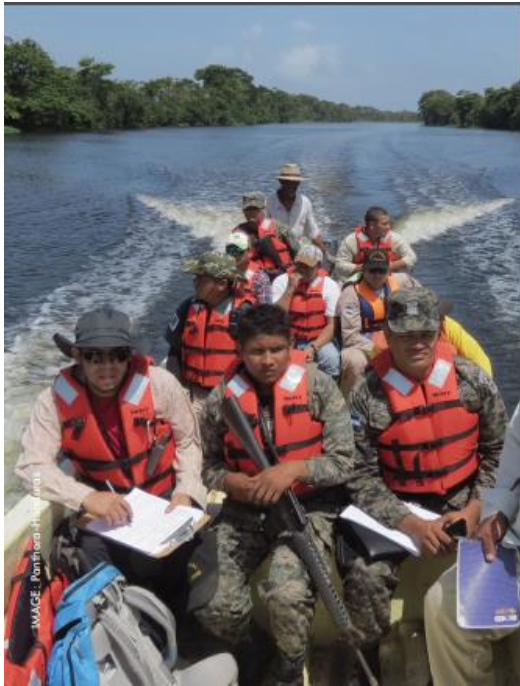


CODECHOCÓ

Development of conceptual framework and protocol for control and surveillance in Regional Management Districts using SMART (2019)



Challenges



- ✓ High turnover of staff in protected areas
- ✓ Previous investments in other information management technologies
- ✓ Adopting SMART before having a full conceptualization of the control and surveillance framework
- ✓ Undefined authority for data management and inexistent data management protocols
- ✓ Financial resources for equipment



Next steps



- ✓ Full adoption of SMART Connect
- ✓ Adoption of additional modules & extensions (e.g. ecological records)
- ✓ Adoption by regional environmental authorities and other protected areas managers
- ✓ Interoperability with other information management systems



We Stand for Wildlife™

