



The role of law enforcement monitoring in law enforcement



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Globally, only 24% of protected areas are considered to have 'sound' management



**Welcome increase in funding and resources
for front-line protection.....**



....are these resources being used wisely?

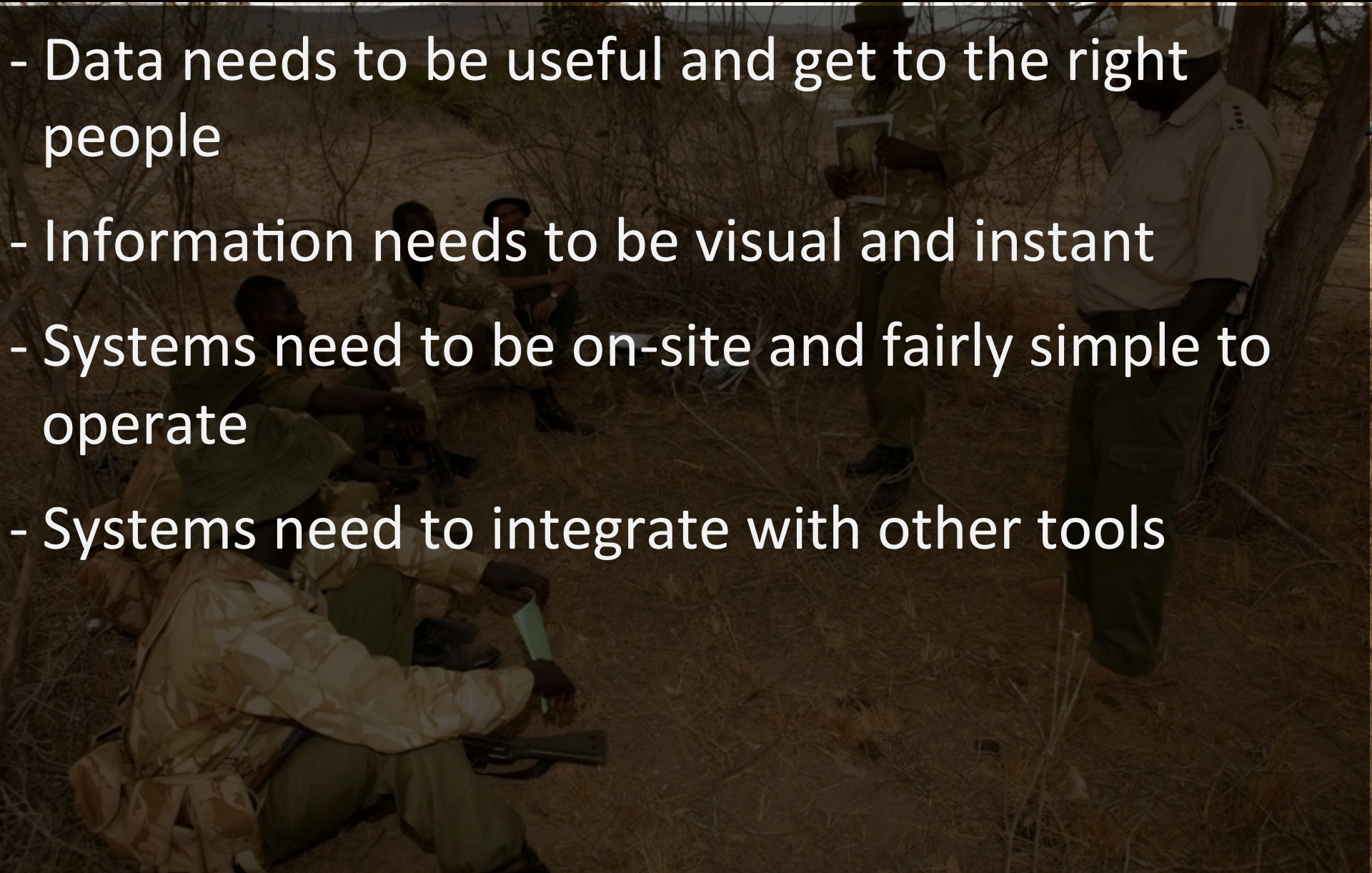
‘Stopping the killing’

- Effective governance model
- Human resources and leadership
- Intelligence-led enforcement strategy
- Strong legal/judicial deterrence
- Operational budget
- Management support systems
- Responsive monitoring program



Law enforcement monitoring

- Data needs to be useful and get to the right people
- Information needs to be visual and instant
- Systems need to be on-site and fairly simple to operate
- Systems need to integrate with other tools





SMART

Conservation Area: SMART - SMART Conservation Area

User Name:

Password:

Exit

Advanced

Login

Ranger patrols

Debriefing

Feedback and
patrol planning

Data analysis
and reporting

Data entry



Elephant poaching

This table summarizes distribution of poached elephant carcasses
2012-07-16 to 2012-11-03
Nov 2, 2012 11:10 AM

Summary of

patrols that observed elephant carcasses

Patrol ID	Type	Patrol Start Date	Patrol End Date	Station	Team
SMART-000001	Ground	Sep 2, 2012	Sep 2, 2012	HQ	Team 1
SMART-000001	Ground	Jul 22, 2012	Jul 24, 2012	Patrol Station 2	Team 3
SMART-000007	Ground	Jul 22, 2012	Jul 24, 2012	Patrol Station 2	Team 3
SMART-000007	Ground	Jul 22, 2012	Jul 24, 2012	Patrol Station 2	Team 3
SMART-000013	Ground	Jul 22, 2012	Jul 24, 2012	Patrol Station 2	Team 3
SMART-000006	Air	Jul 19, 2012	Jul 24, 2012	Patrol Station 2	Team 3
SMART-000006	Air	Jul 16, 2012	Jul 16, 2012	HQ	Team 1
SMART-000006	Air	Jul 16, 2012	Jul 16, 2012	HQ	Team 1
SMART-000006	Air	Jul 16, 2012	Jul 16, 2012	HQ	Team 1

Distribution of poached elephant carcasses







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SMART-000007	Ground	Jul 22, 2012	Jul 24, 2012	Patrol Station 2	Team 3
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Distribution of poached elephant carcasses



Ranger patrols

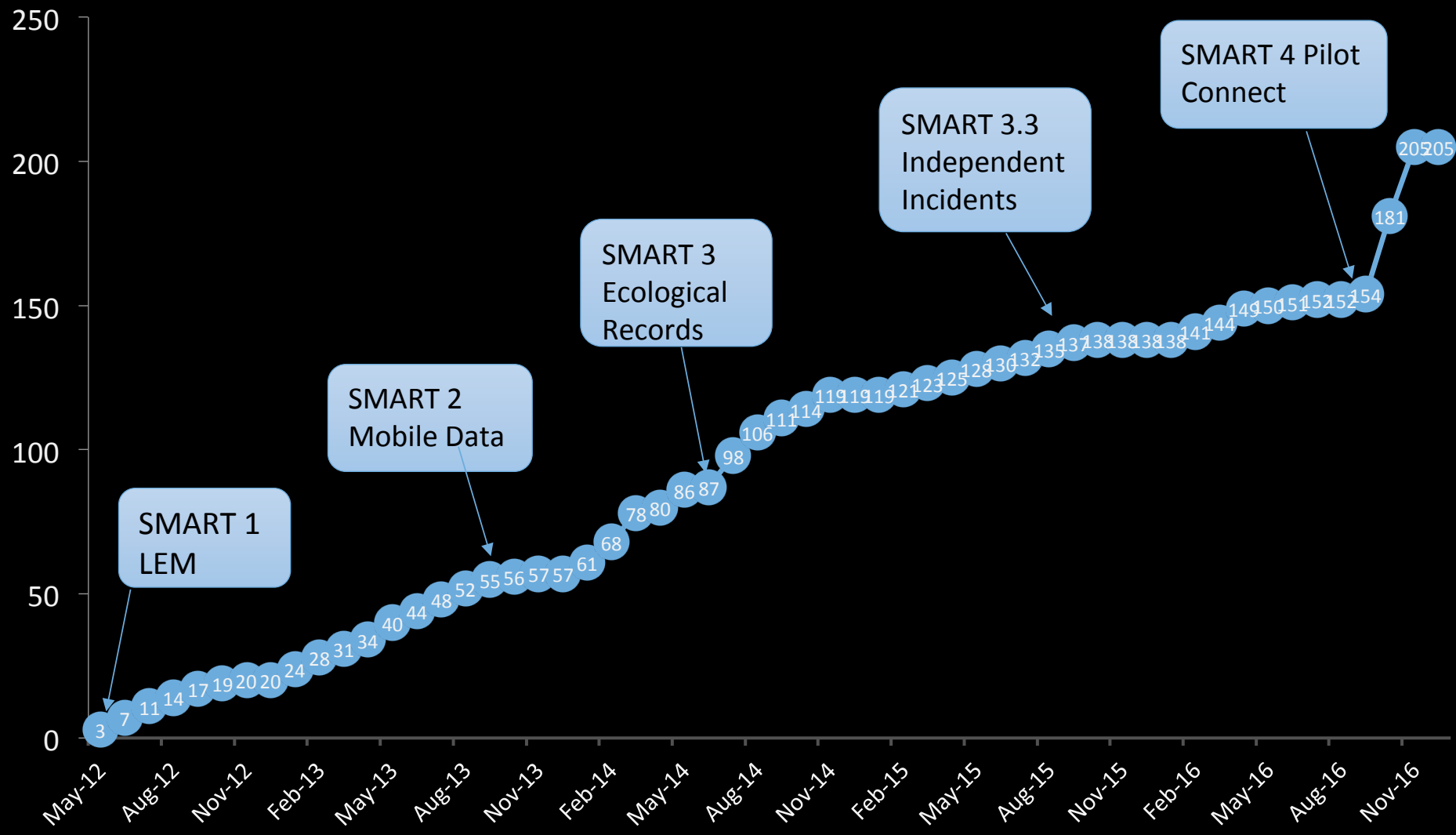
Feedback and patrol planning

Debriefing

Data analysis and reporting

Data entry

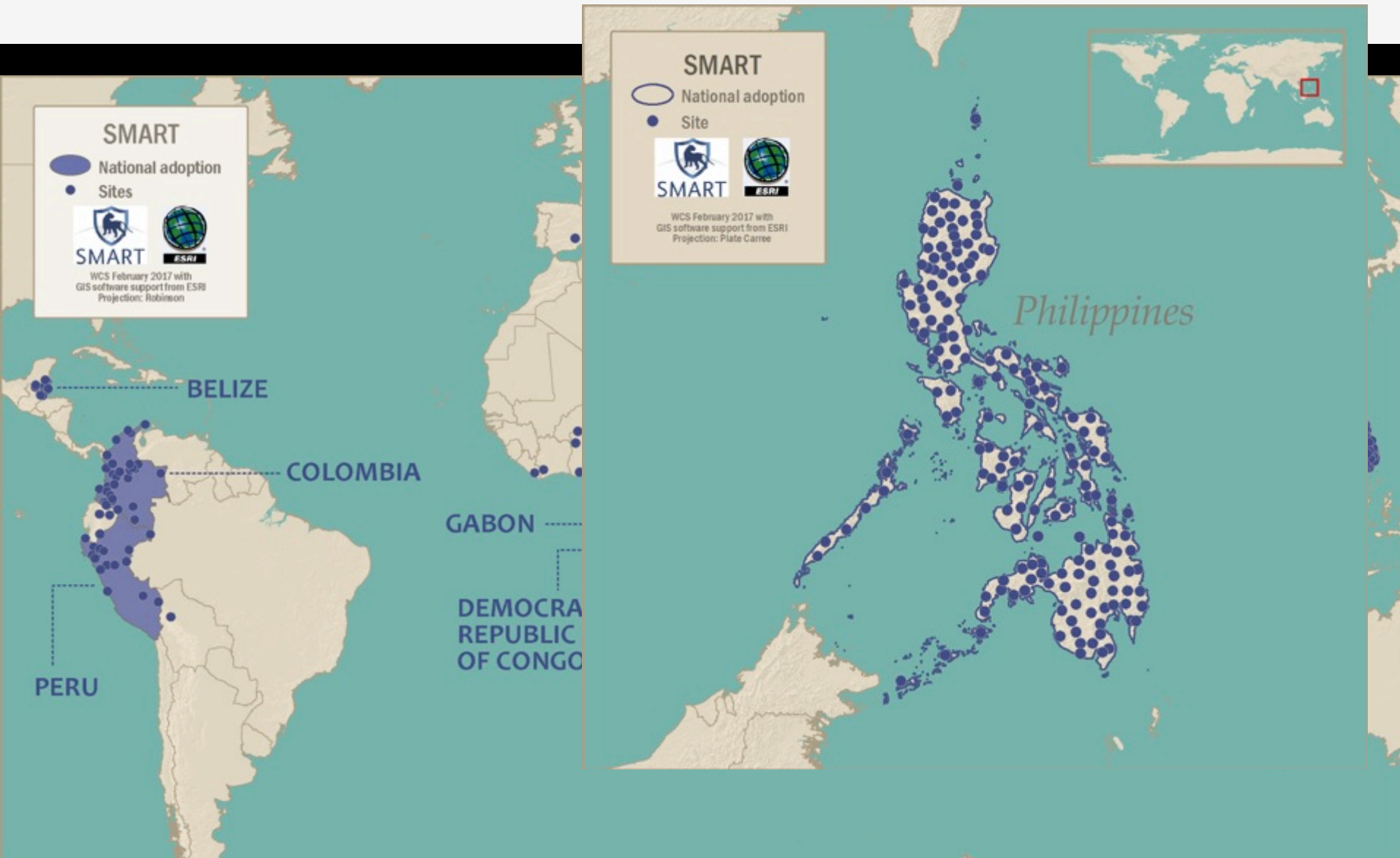
SMART development timeline



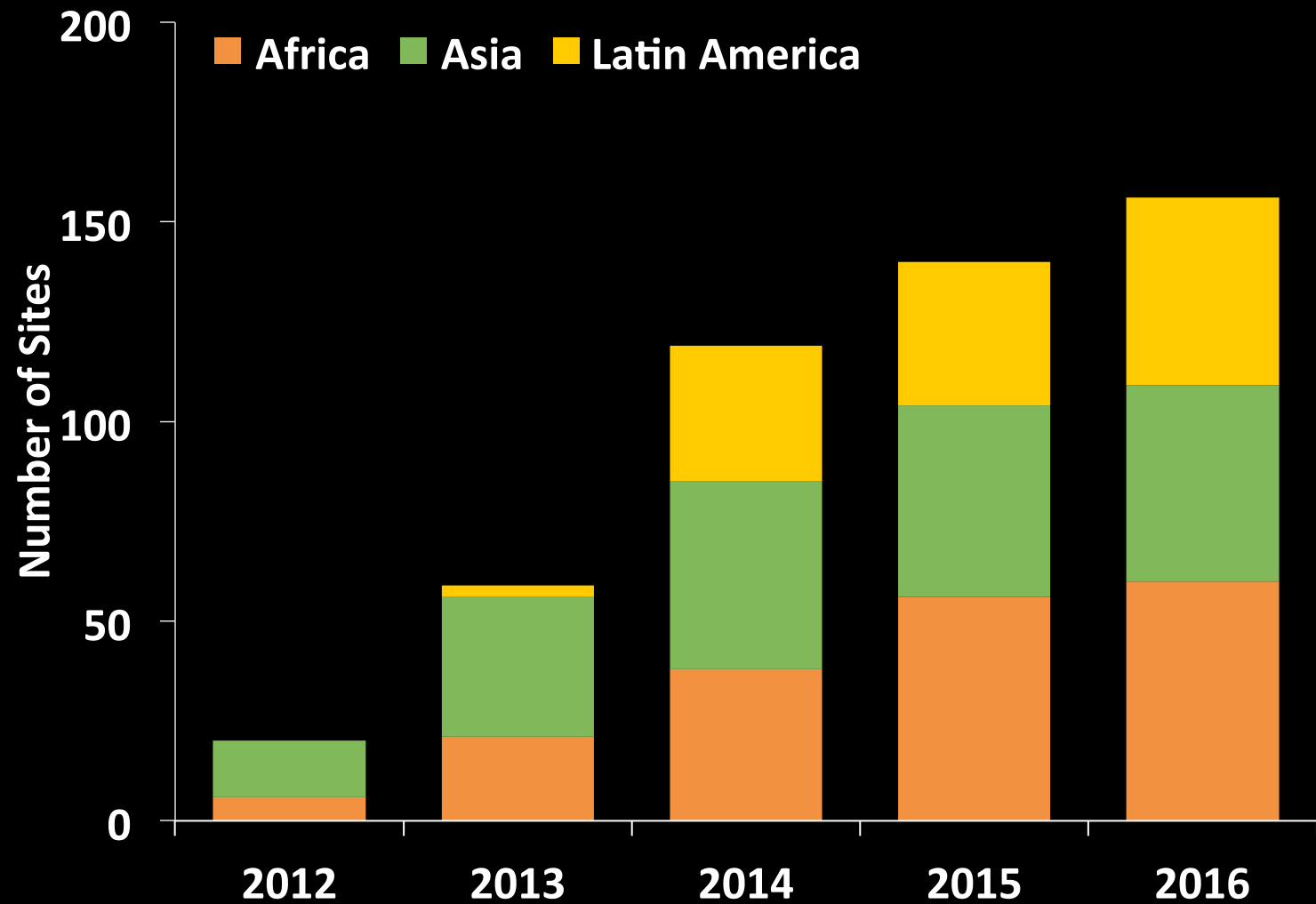
Where is SMART being used globally?



A move towards national adoption



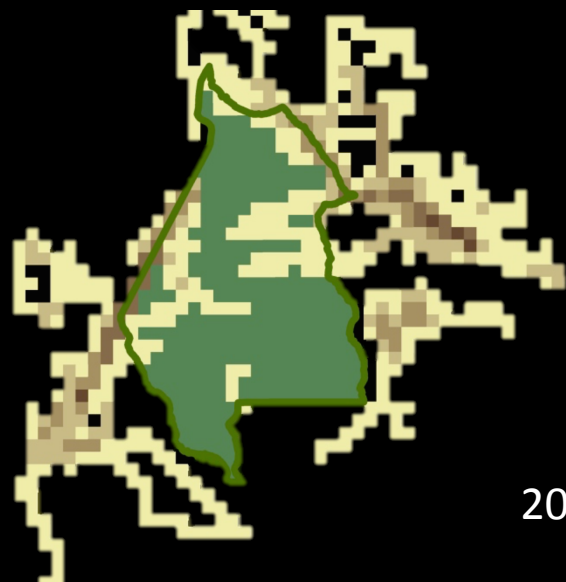
Evolution of SMART implementation



Nouabalé-Ndoki, Congo



2012



2013



Low patrol intensity

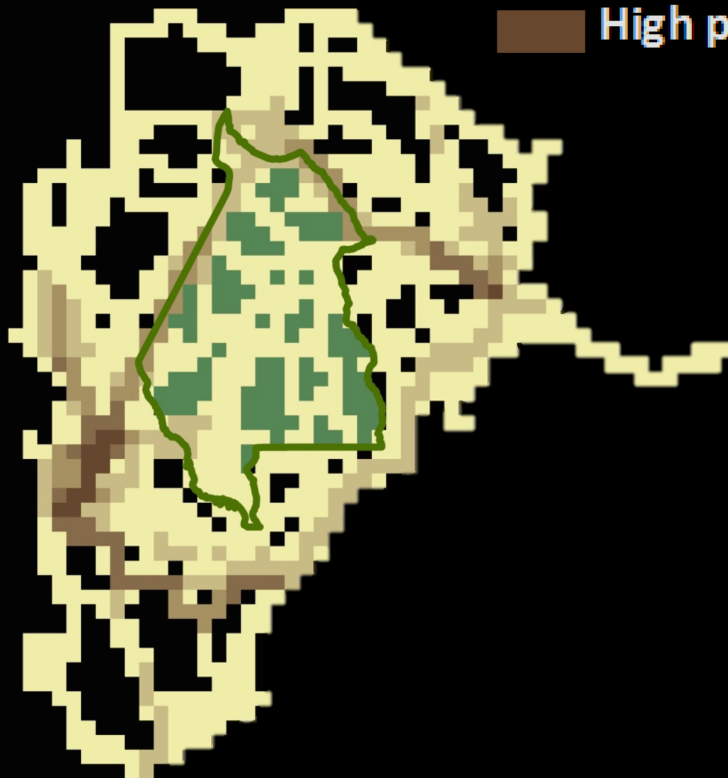


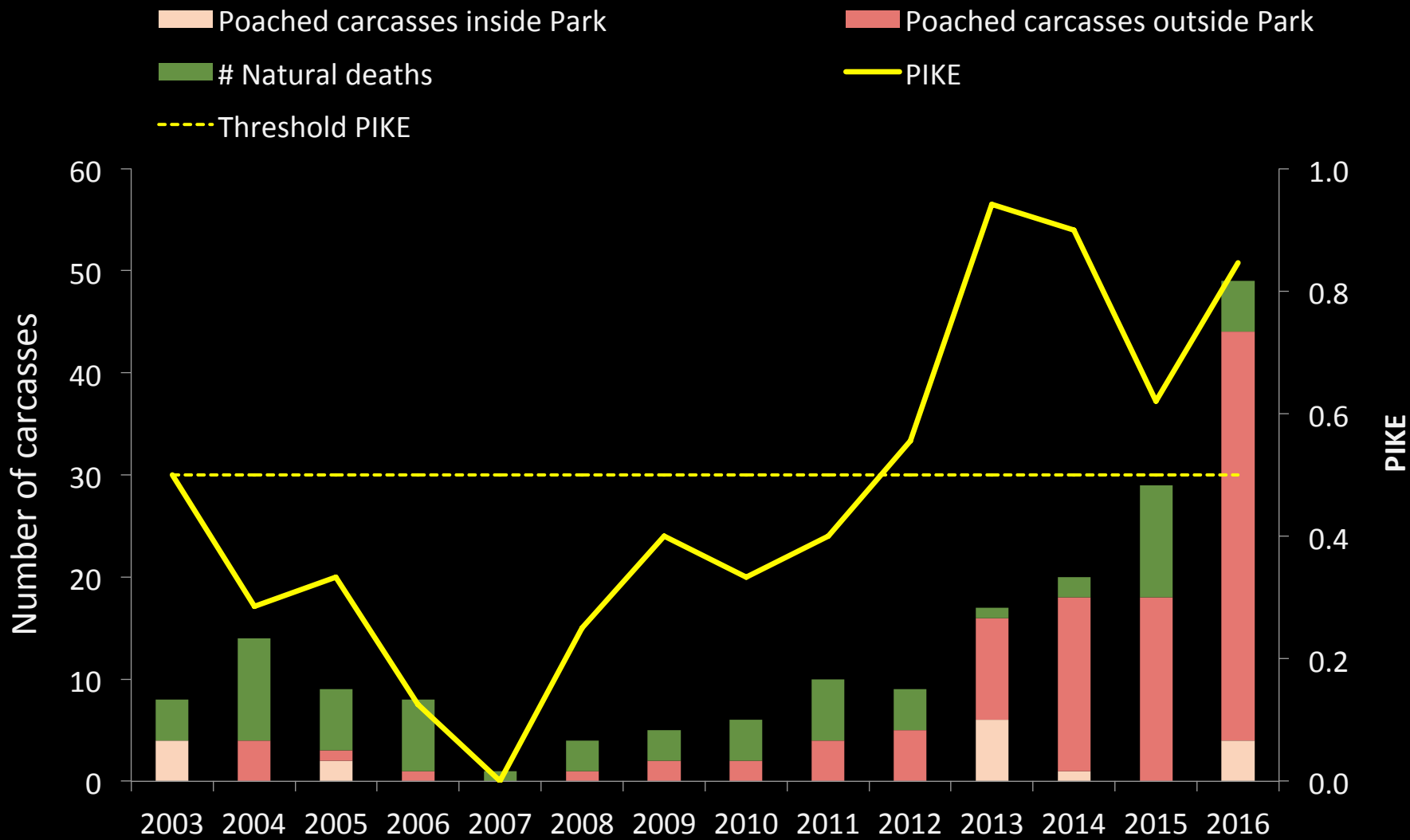
High patrol intensity

2014

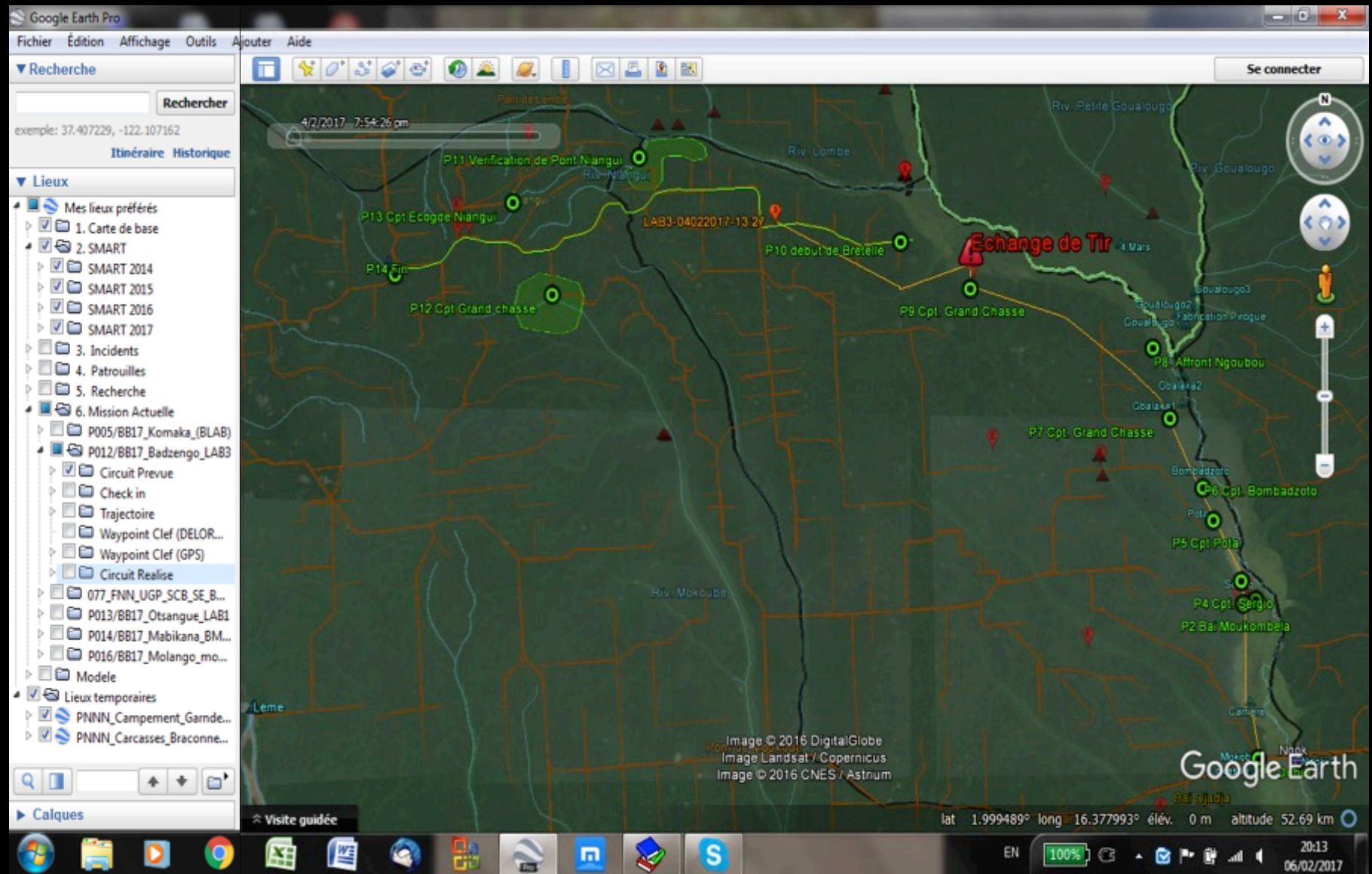


2015

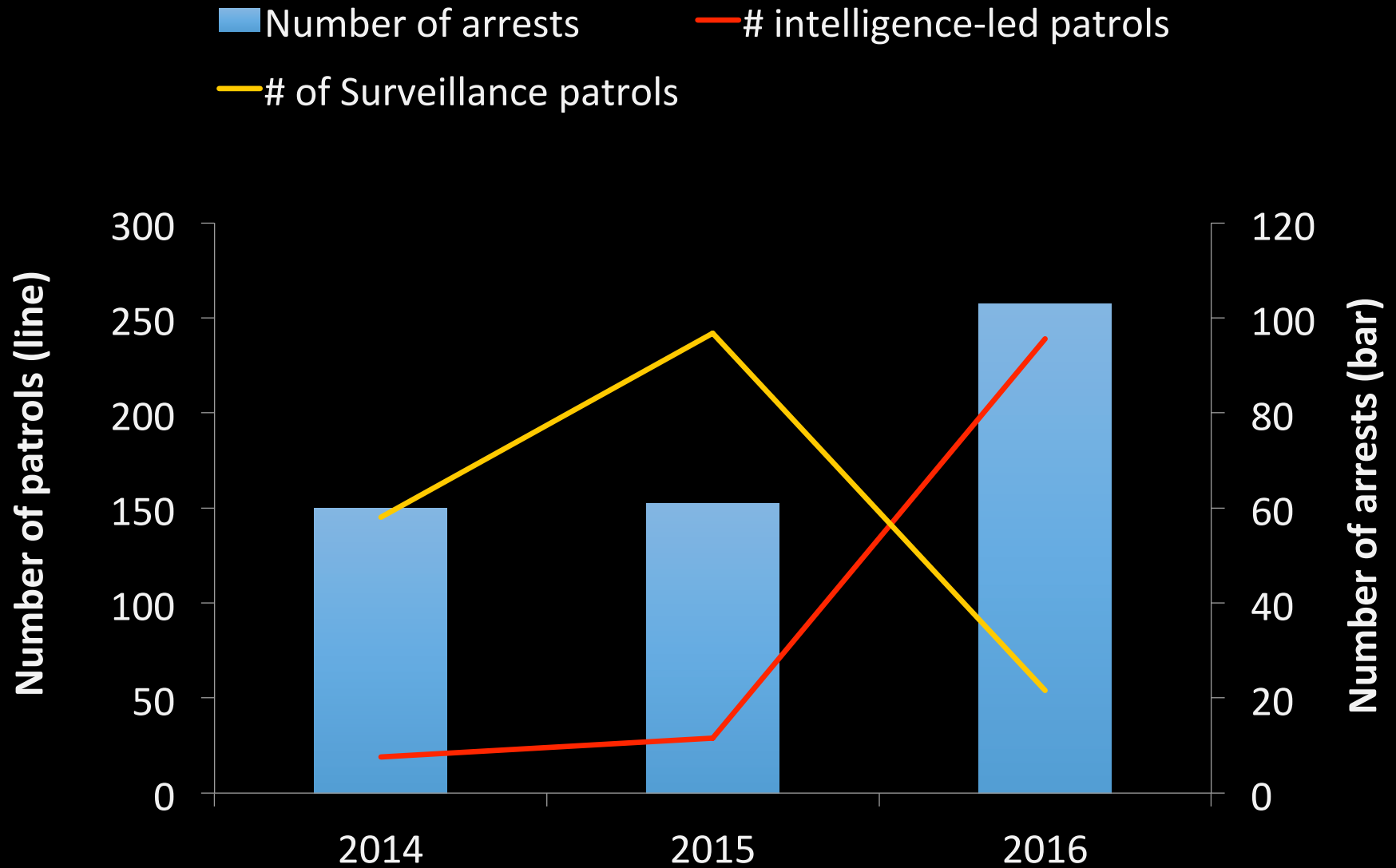




New operational strategy



New Wildlife Crime Unit



Feedback from early SMART implementors

- Better operational support
 - Real-time communications from field to HQ
 - Intel management and analysis
- Integration with other applications, field sensors, and services
- Holistic platform for data management and analysis across entire protected area networks

SMART Connect



Collect data from the field and share in real time



Manage and respond to real time alerts



Centrally manage SMART deployments at multiple sites



Integrate SMART with other systems

SMART Intelligence at a Glance

SMART : SMART - Example Conservation Area

File Conservation Area Patrol Field Data Query Report Planning Connect Intelligence Help

DATA ASSESSMENT MODE Data Analysis Mode

Incoming Intel Records

Unassessed Records

- Interview With Suspect's Brother [17/12/15]
- Interview with Steve Smith [15/12/15]

Partially Assessed Records

- Interview With Suspect's Brother [17/12/15]
- Interview with Steve Smith [15/12/15]

All Intel Records

Search For: Interview

- Interview With Suspect's Brother [17/12/15]
- Interview with Steve Smith [15/12/15]

Interview With Suspect's Brother

Received Date: December 17, 2015

Creator: smart smart [195000010]

Intelligence Source: CET

Patrol ID: (none)

Informant ID: (none)

Short-Form Name: Interview With Suspect's Brother

Description: Subject was John Doe, the brother of Jane Doe who is a suspected poached in the SMART National Park.

Patrol ID: (none)

Informant ID: (none)

Short-Form Name: Interview With Suspect's Brother

Description: Subject was John Doe, the brother of Jane Doe who is a suspected poached in the SMART National Park.

Save and Continue Later

Assessment Complete

Entities

Search For: John Doe

Advanced search options




Entity Category: Person

Entity Type: Poacher

that has relationship type: Known Associate

with: any: gang

Search Save Search Load Saved Search

Entity	Name and Type	Created On
	John Doe Category: Person Type: Poacher	17-Mar-2012
	Jon Doo Category: Person Type: Poacher	17-Mar-2012
	Jonathan Dough Category: Person Type: Poacher	17-Mar-2012

Export to CSV

Intelligence Summary Location Map

Lessons learned for SMART/LEM

- SMART needs to be implemented as part of a holistic and strategic approach to law enforcement
- However, LEM data is critical in helping get to this point
- Needs investment of time and people



THANK YOU