



Independent
Evaluation Office
GLOBAL ENVIRONMENT FACILITY

Challenges and solutions to measuring PA impacts

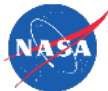
Lessons from the Impact Evaluation of GEF Support to
Protected Areas and Protected Areas Systems

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EVALUATION OFFICER

04 September 2016

In Partnership with



Institute of
Development Studies

TOOLS & METHODS

NATURAL SCIENCES

Global databases

Supercomputers

QUANTITATIVE

Generalized Additive Models

Regression trees and random forest modeling

Principal Components Analysis

Linear regression

Mixed and fixed effects modeling



High-resolution satellites

SPATIAL

Remote sensing analysis



35351 PIXELS

191 TERMINAL EVALUATIONS

Peer-reviewed literature

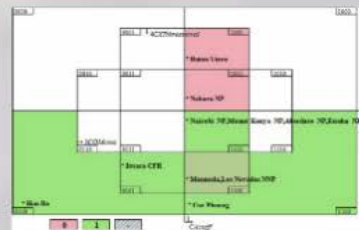
Propensity score matching

33 CONTEXTUAL VARIABLES

>30000 PAs

Portfolio analysis

QUALITATIVE



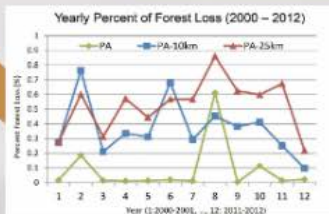
2440 METTs

7 COUNTRIES

Case study analysis & synthesis

28 SITES

Qualitative Comparative Analysis



SOCIAL SCIENCES



METHODOLOGICAL CHALLENGES



**INFO GAPS ON WHAT,
WHEN AND WHERE**

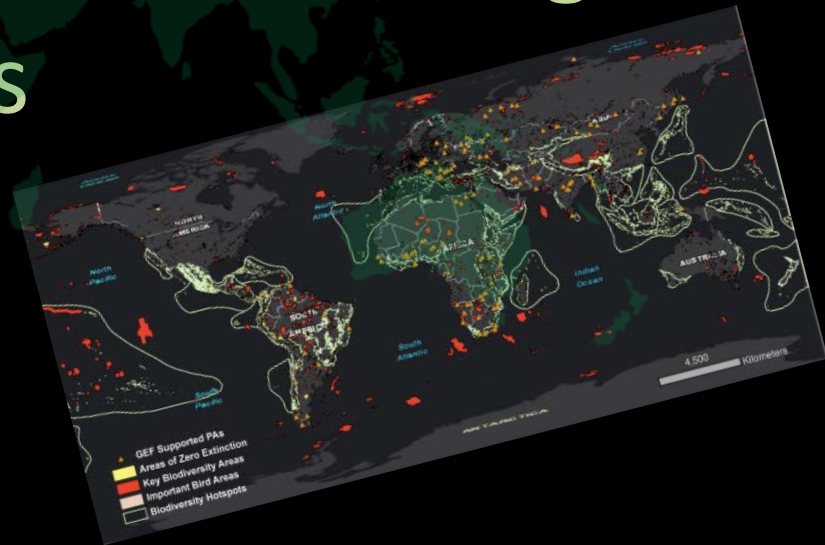
**LACK OF MONITORING
DATA**

**MISMATCH BETWEEN
ASSESSMENT AND IMPACT
TIMELINES**

SOLUTION?

**PREPARE NOW FOR THE
FUTURE!**

Require maps and GPS coordinates in
project proposals and monitoring
reports





Use geospatial technologies for
monitoring

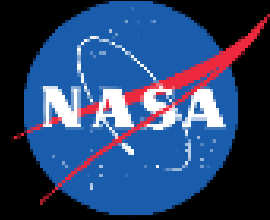


Choose indicators that can be globally aggregated AND are locally useful



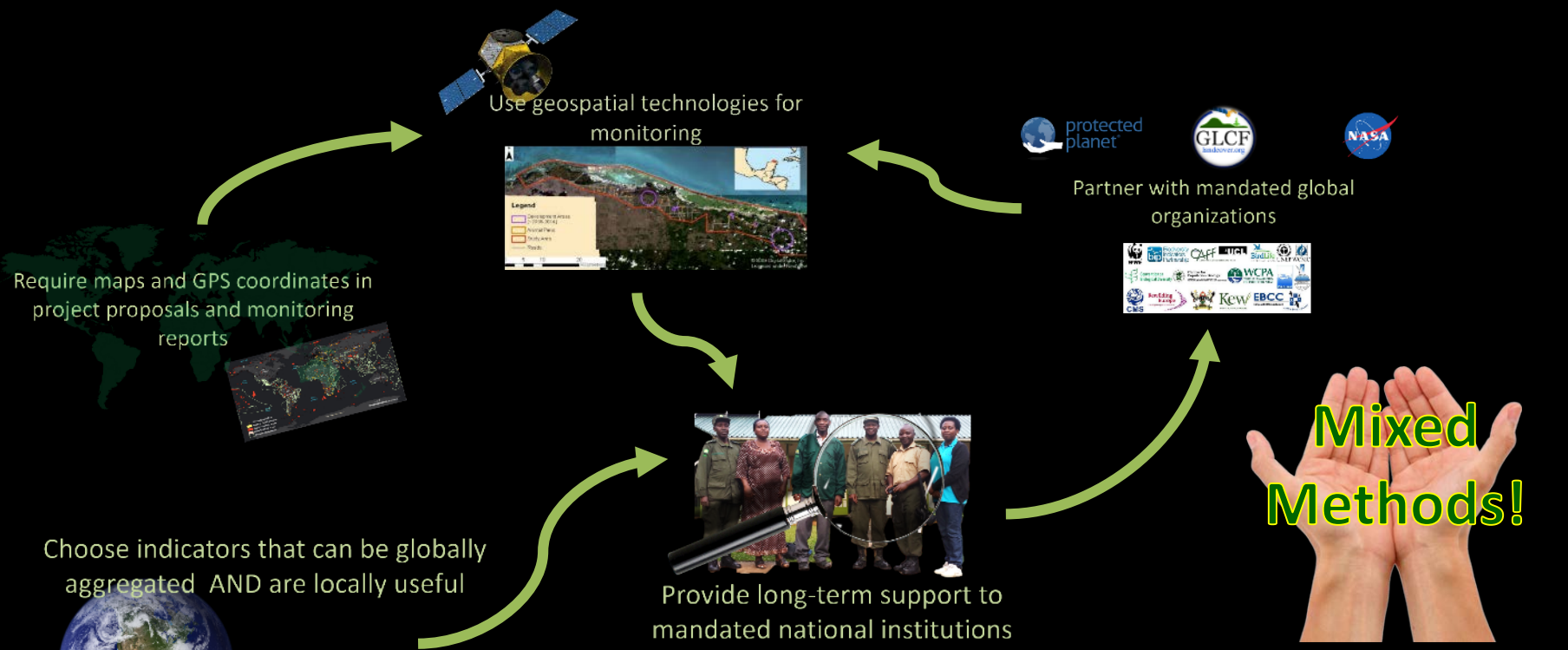


Provide long-term support to
mandated national institutions



Partner with mandated global organizations





PUTTING IT ALL TOGETHER



Thank you!

For more information, visit www.gefio.org



Impact Evaluation of GEF Support to Protected Areas and Protected Area Systems

SEPTEMBER 2016
FULL REPORT



GET THE FULL REPORT HERE

<http://gefieo.org/evaluations/evaluation-multiple-benefits-gef-support>

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