



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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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

Propensity score matching

33

CONTEXTUAL VARIABLES

>30000

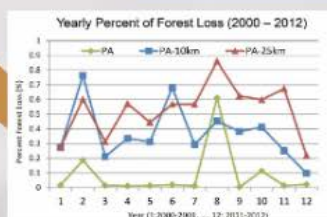
PAs

2440

METTs

7

COUNTRIES



28

SITES

Case study analysis & synthesis

Qualitative Comparative Analysis



Peer-reviewed literature

QUALITATIVE



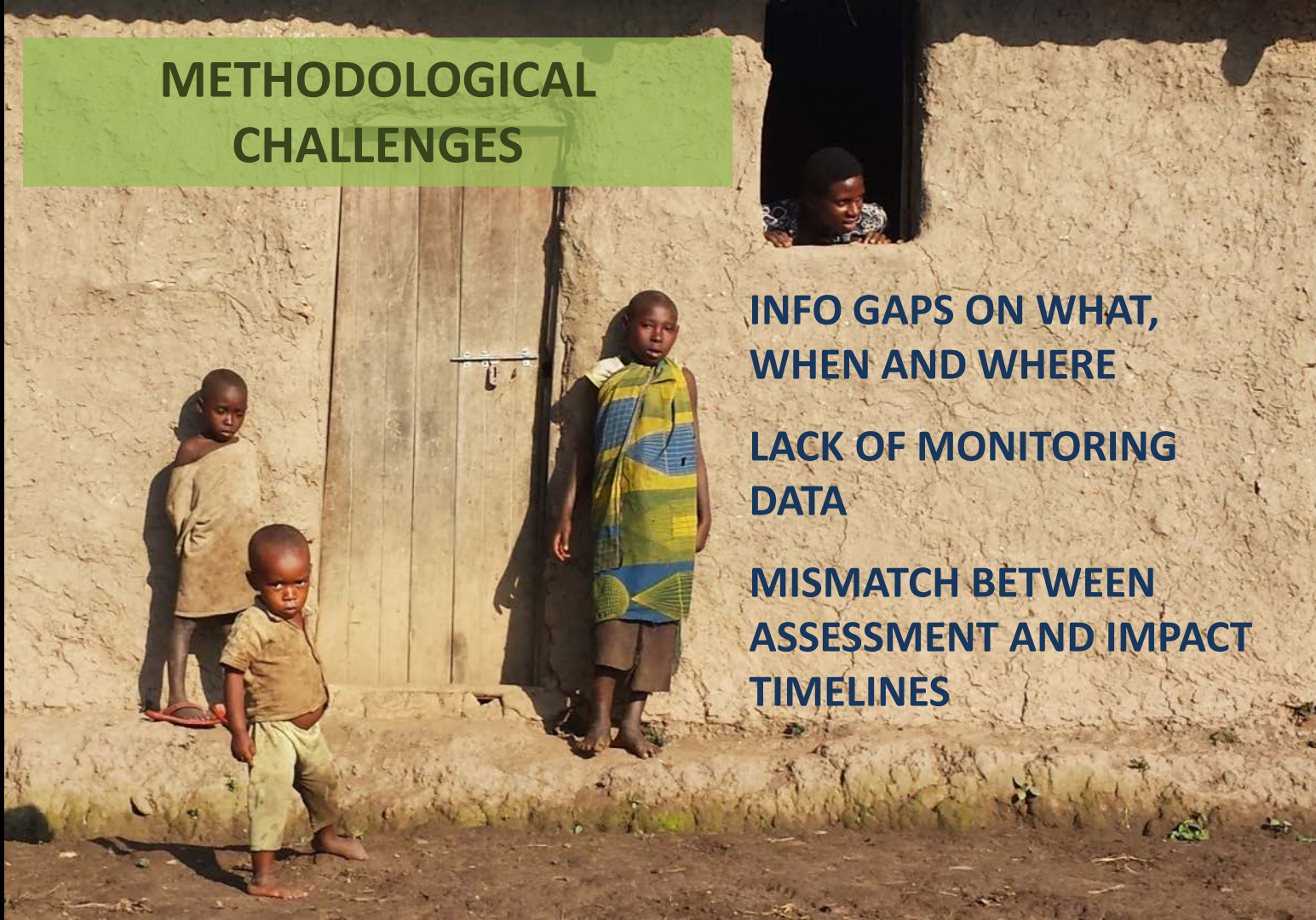
SOCIAL SCIENCES

METHODOLOGICAL CHALLENGES

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

**LACK OF MONITORING
DATA**

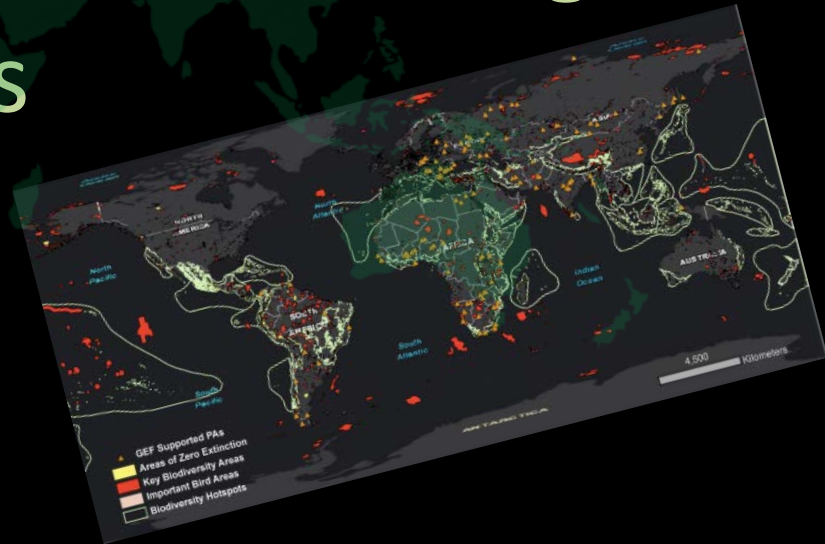
**MISMATCH BETWEEN
ASSESSMENT AND IMPACT
TIMELINES**



SOLUTION?

**PREPARE NOW FOR THE
FUTURE!**

Require maps and GPS coordinates in
project proposals and monitoring
reports





Use geospatial technologies for
monitoring

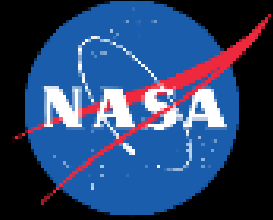


Choose indicators that can be globally aggregated AND are locally useful





Provide long-term support to
mandated national institutions



Partner with mandated global organizations



Require maps and GPS coordinates in project proposals and monitoring reports



Choose indicators that can be globally aggregated AND are locally useful



Use geospatial technologies for monitoring



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PUTTING IT ALL TOGETHER

A scenic landscape featuring a coastline with steep, grassy mountains. The foreground shows a grassy slope leading down to a body of water. The mountains in the background are rugged and covered in green vegetation. The sky is filled with white and grey clouds, with some blue visible. The text "Thank you!" is overlaid in the center of the image.

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>

Maps and satellite images processed by Anupam Anand. Photos taken in Uganda by Jeneen R. Garcia. All other images used under the Creative Commons license.