



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

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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

Portfolio analysis

QUALITATIVE

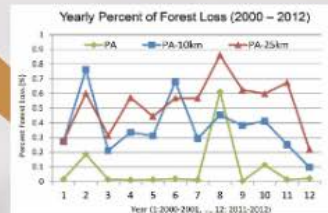
Peer-reviewed literature

2440 METTs **7** COUNTRIES

Case study analysis & synthesis

28 SITES

Qualitative Comparative Analysis



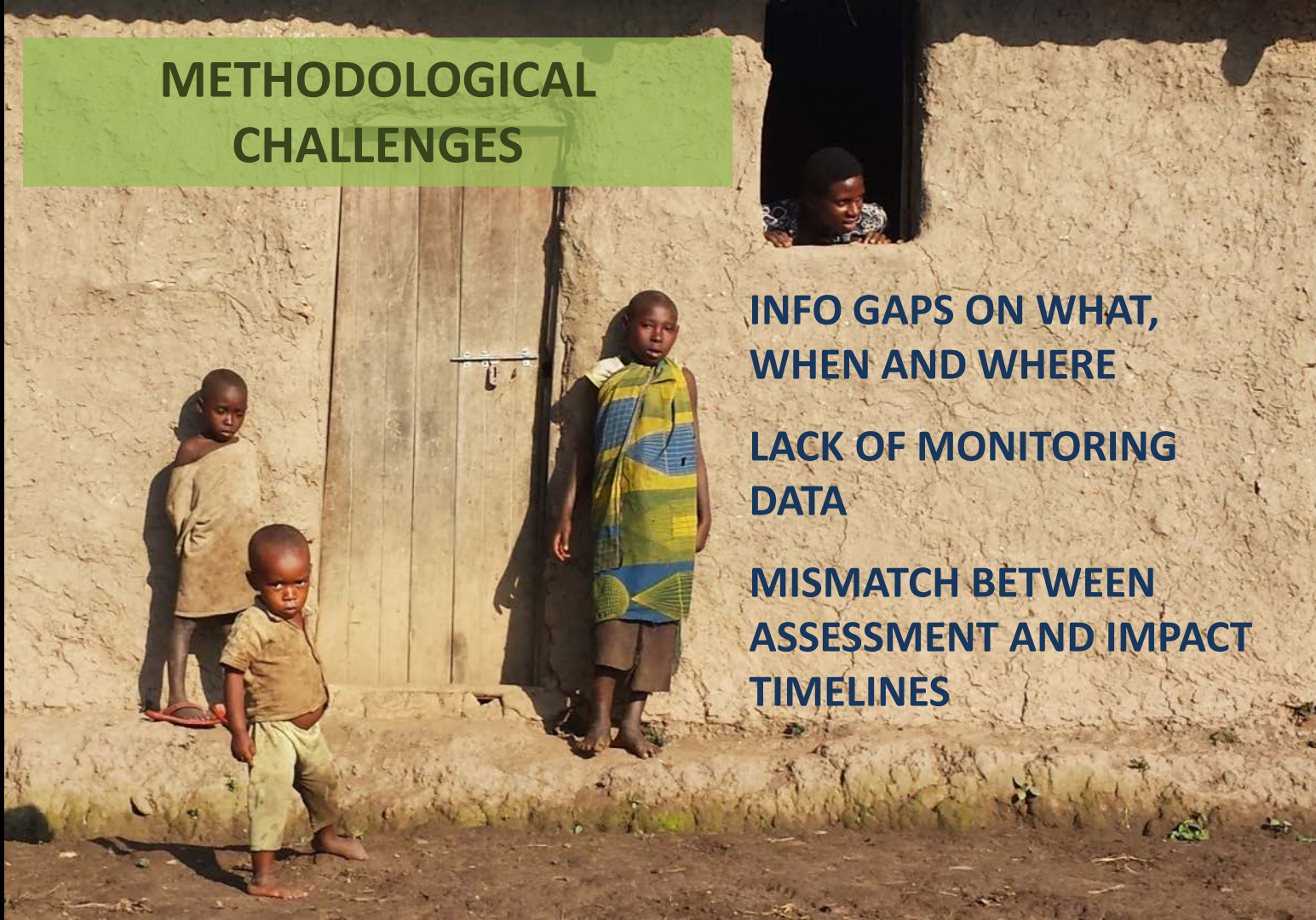
SOCIAL SCIENCES

METHODOLOGICAL CHALLENGES

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

**LACK OF MONITORING
DATA**

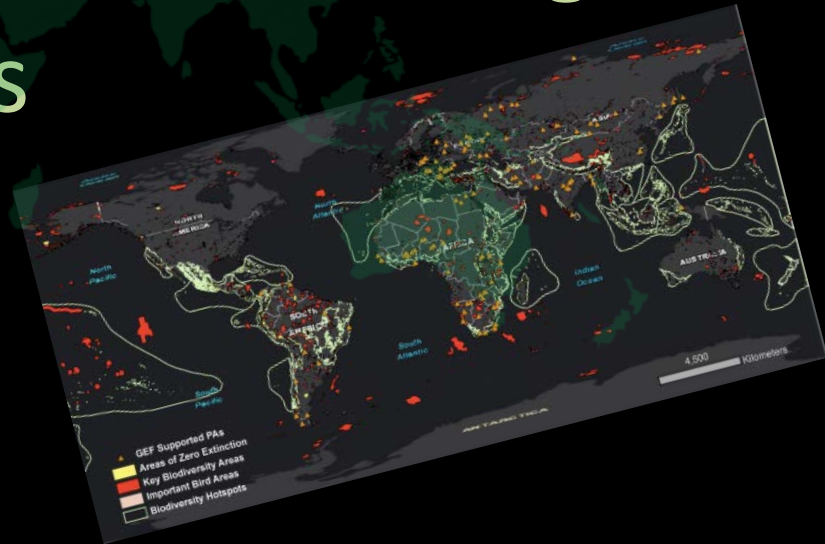
**MISMATCH BETWEEN
ASSESSMENT AND IMPACT
TIMELINES**



SOLUTION?

**PREPARE NOW FOR THE
FUTURE!**

Require maps and GPS coordinates in
project proposals and monitoring
reports





Use geospatial technologies for
monitoring

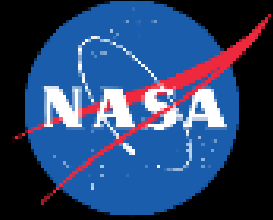


Choose indicators that can be globally aggregated AND are locally useful



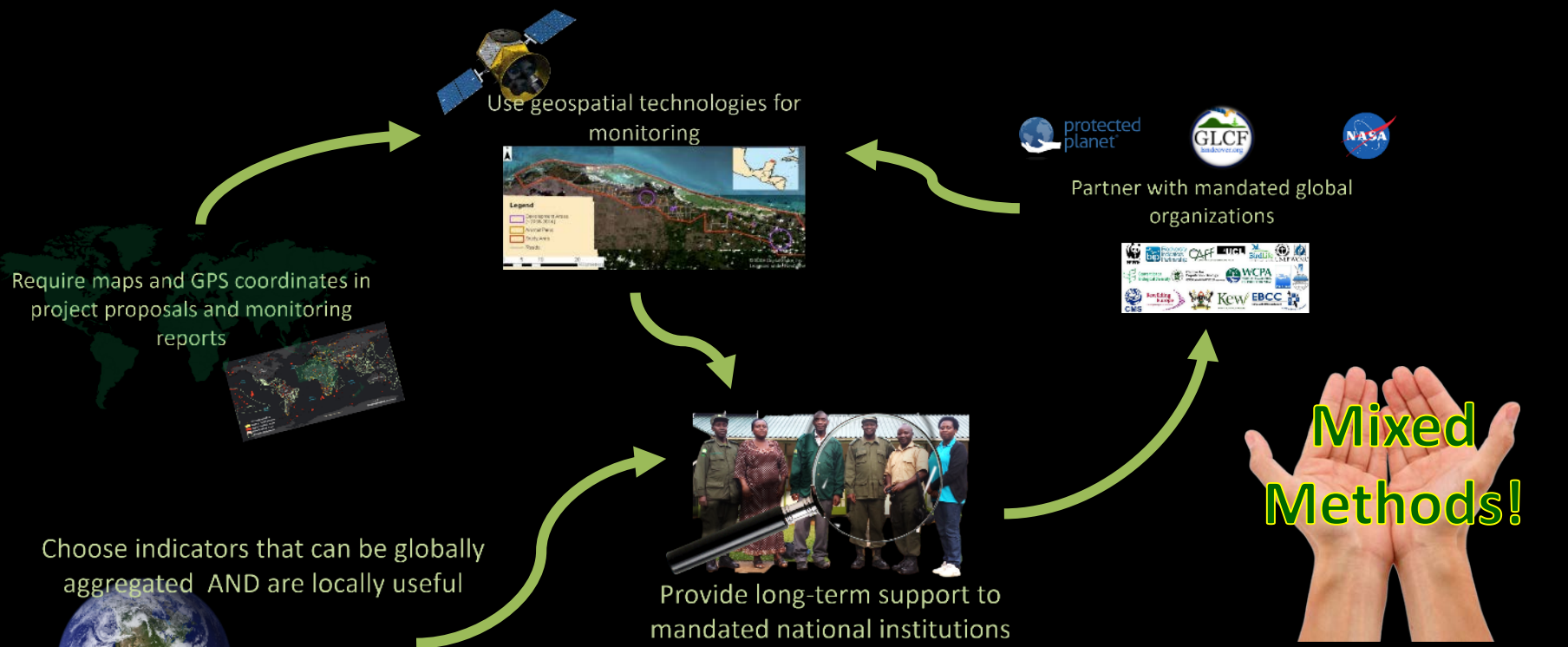


Provide long-term support to
mandated national institutions



Partner with mandated global organizations





PUTTING IT ALL TOGETHER

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 soft, white clouds, with some blue visible. The text "Thank you!" is centered over the middle 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>

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