



# Development of data collection instrument for the PGA in Indonesia: Issues for Consideration

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**Participatory Governance Assessment**

**Exchange Meeting**

17-18 April 2012

## **PGA FOR REDD+ IMPLEMENTATION IN INDONESIA**

Implemented by UNDP INDONESIA  
Partnering with Ministry of Forestry, UKP4 and Ministry of Development Planning  
Supported by UN-REDD GLOBAL Programme  
Working Closely with Civil Society Organizations, Indigenous Organizations, Sub-national Government, and academicians

# Issue-1: Conceptualization & Operationalization

- **Conceptualization:** the process of specifying observations and measurements → Forest Governance;
- **Operationalization:** specifies the exact procedure that will be used to measure “Forest Governance” → Document/Media Reviews, FGD and In-depth Interviews

# Issue-1: Conceptualization & Operationalization

- Issues for consideration:

1. Multiple dimensions/issues: Planning, Rights, Organization, Management, Control and REDD+ Infrastructure ➤ 123 indicators;
2. Multiple level of analysis: National, Provincial & District level;
3. Multiple unit of analysis: Legal & Policy, Government, Civil society organizations, Indigenous/Local communities, Business communities.
4. Multiple contexts/locations: based on level of vulnerability (social, economic and ecological).

# Issue-2: Validity and Reliability

- Validity: getting results that accurately reflects the concept being measured → Forest Governance.
  
- Types of validity:
  - 1) *Content validity*: the range of meaning covered in a measure;
  - 2) *Construct validity*: the degree to which an indicator relate to another indicators

# Issue-2: Validity and Reliability

- Reliability: getting consistent results from the same measure.
  
- Type of reliability:
  - 1) *Representative reliability*: across sub-groups ➤ related to “multiple-context” conditions;
  - 2) *Equivalence reliability*: across indicators ➤ related to “multiple-dimensions” conditions.

# Issue-3: Developing Indicators & Data Collection Instruments

- Points of consideration in developing indicators for PGA:
  - 1) Relevance: to what extent, the indicator reflects the phenomenon;
  - 2) Significance: how important an expression the indicator is of the phenomenon;
  - 3) Reliability: the trustworthiness of the information that is generated;
  - 4) Convenience: the effort that goes into generating the intended information.

# Issue-3: Developing Indicators & Data Collection Instruments

- Based on the conditions and characteristics of the concept to be measured (Forest Governance), the assessment will:
  - 1) apply more generative approaches with greater flexibility in searching and analysing information;
  - 2) require qualitative mode of analysis which may also allow collection of quantitative information.

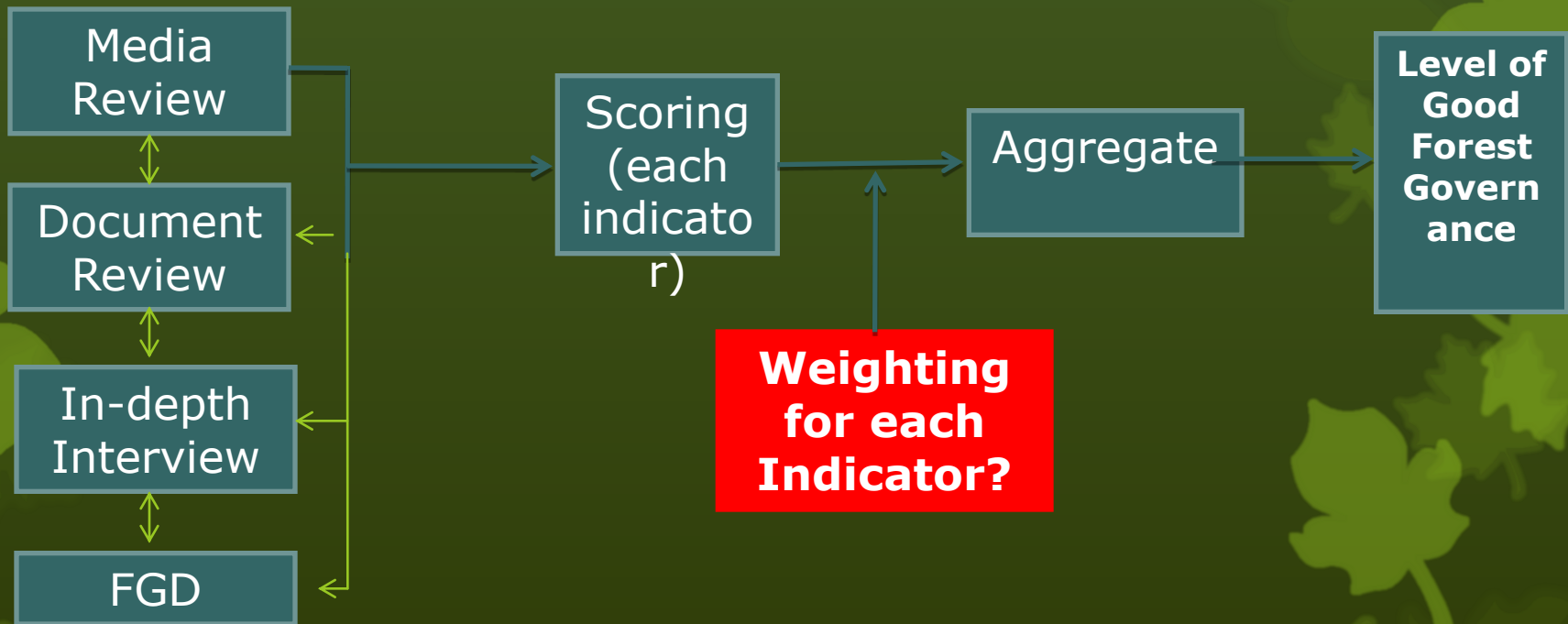
# Issue-3: Developing Indicators & Data Collection Instruments

- Points for Consideration:

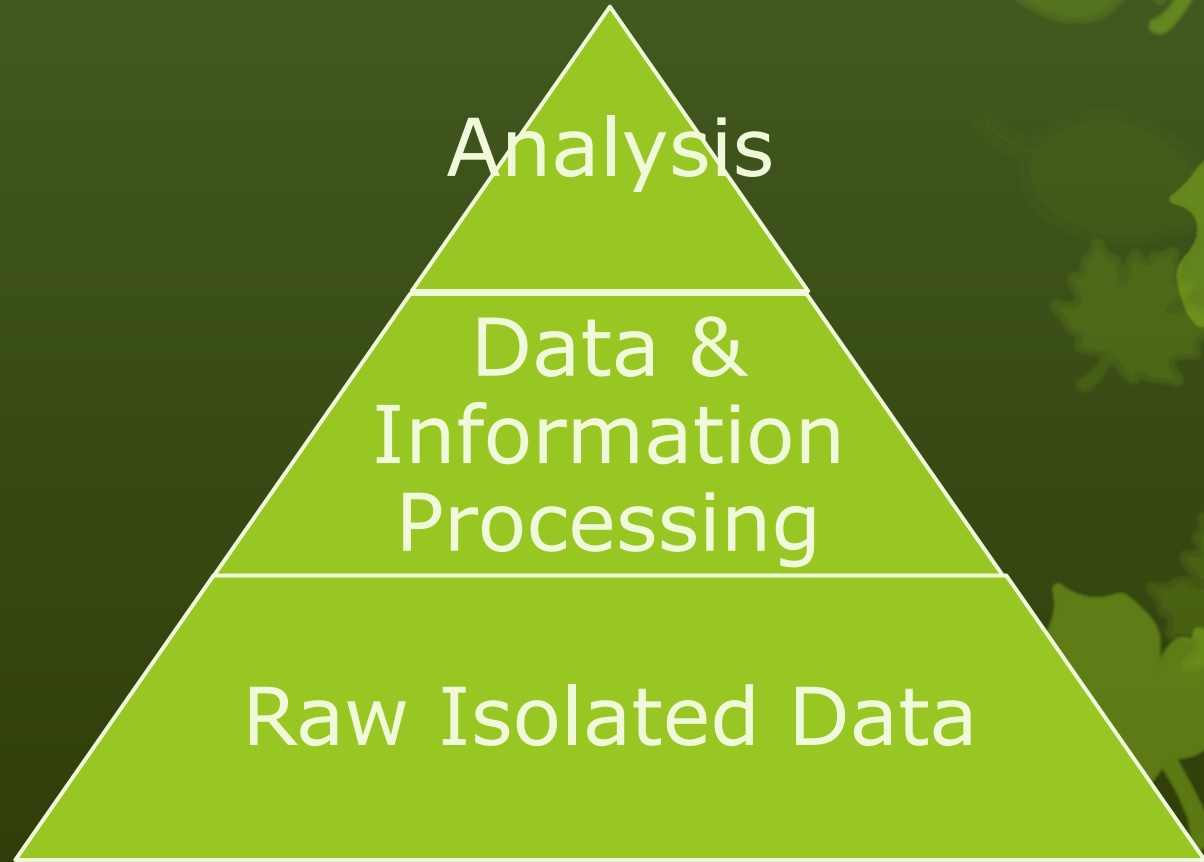
1. The qualitative design does not exclude collection and analysis of quantitative data.
2. Any quantification will be done within the framework of qualitative exploration.
3. The data collection instrument should be able to verify patterns or outcomes that are expected, based on similar cases.



# Measurement Flow



# Data Collection Analysis Process



Distilled  
Integrated  
Qualitative  
&  
Quantitative



Raw  
Isolated  
data

# Data Collection Approach

