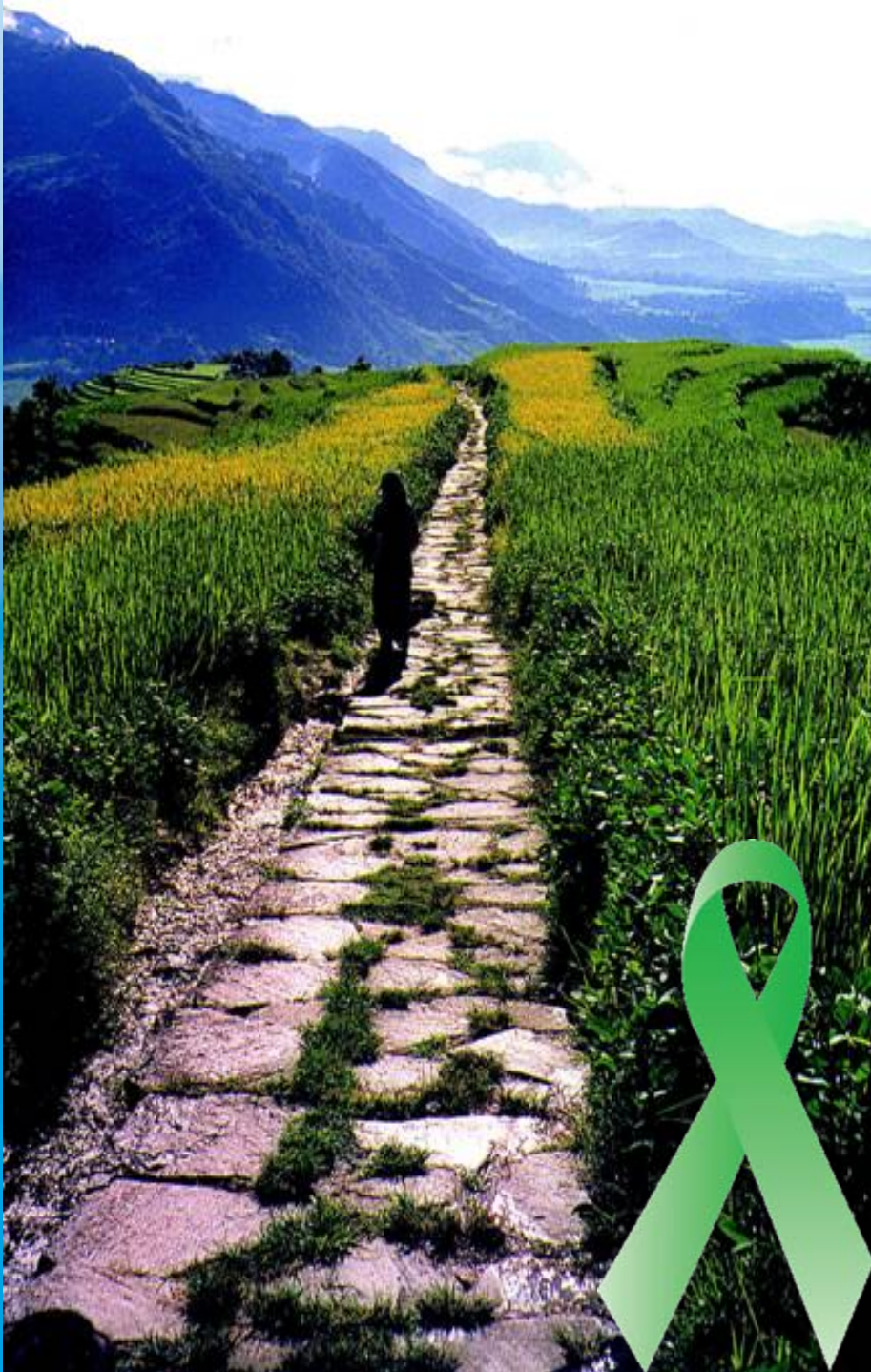




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# ESD Indicators: Their Role in Research

*UNESCO Bangkok, Asia and Pacific  
Regional Bureau for Education*



# Indicators and their Purpose

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**What is an indicator?**

**What are indicators used for?**



# Traditional indicators

- Often quantitative in nature
- Used for evaluation (often measuring positive / negative)
- Used as a basis for comparison
  - No. of PhDs
  - % students graduating with degrees ecology
  - Accreditation



# ESD indicators

- Qualitative or quantitative
- Used for assessment (to measure progress, change, learning)
- Used as a basis for change
  - Use of ESD-related lesson plans
  - The level of sustainability-related thinking
  - Lessons learned are incorporated into future activities



# Measuring ESD Indicators

Possible resources for research data	
Quantitative data	Qualitative data
<ul style="list-style-type: none"><li>○ Administrative<ul style="list-style-type: none"><li>• school data</li><li>• resource allocation</li><li>• school census</li></ul></li><li>○ Questionnaires<ul style="list-style-type: none"><li>• written exams</li><li>• person to person</li><li>• election-type polls</li><li>• Interviews (student, teacher, community)</li><li>• school/teacher</li></ul></li></ul>	<ul style="list-style-type: none"><li>○ Case studies</li><li>○ Content Analysis</li><li>○ Focus groups</li><li>○ Interviews (students, teachers, community)</li><li>○ Observations (in-class, video)</li><li>○ School inspections (formal ed.)</li><li>○ Writing tasks</li><li>○ Story telling</li></ul>





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