Sustainability Standards for Palm Oil and Inclusive Green Growth – Synergies and Trade-Offs

PEGNet Workshop “Green and Social”

Dr. Clara Brandi, German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE)

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Sustainabilty standards to foster „inclusive green growth“?
Main Questions

1. What are the main benefits of smallholder certification – and to what extent they include both economic and environmental sustainability dimensions?

2. To what extent are there trade-offs between economic and environmental sustainability?
1. **Environmental Benefits but Smallholder Exclusion**: diffusion of standards that aim at environmental sustainability may undermine the socioeconomic situation of smallholders – insofar as standards generate market exclusion

2. **Economic Benefits but Perverse Environmental Effects**: socioeconomic benefits of certification may have perverse implications for environmental sustainability – insofar as they increase incentives to expand palm oil plantations, including into forested areas
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1. Introduction: Palm Oil - Great Potential, Great Risks

Economic vs. Environmental Concerns
2. Why Sustainability Standards?

Setting the Scene in Indonesia

- Greenpeace campaigns
- US boycott
- Burning Leuser National Park

Increasing requests for sustainable palm oil

Public and private standards as instruments
Why Standards?

Standards as Tools for Increased Sustainability

- Standards as instrument to tackle sustainability concerns
- Increasing relevance of sustainability standards in agriculture

**Sustainability standards...**

...reduce information asymmetries along the supply chain
...create sustainable markets
...depend on demand and consumer willingness to pay
...reduce reputational risks
**RSPO**

RSPO – Roundtable on Sustainable Palm Oil

Private multistakeholder initiative, pushed by Unilever, Nestlé and WWF
Most Relevant Standards

RSPO

A main focus of smallholder certification is on Good Agricultural Practices (GAP)
Smallholders – Why important?

Production Area in ha (million)

- 44 % of production area
- 34 % of total production
Scheme Smallholder:
- Tied to plantation and mills
- Guaranteed purchase of harvest

Independent Smallholder:
- Operate independently through all phases of production
- No guaranteed purchase of harvest
3. Data Collection

Project Partners & Research Objectives

- Baseline data to support smallholder certification
- Insights and lessons from ongoing certification projects
- Input for existing research gaps, especially regarding:
  - challenges on the ground
  - independent smallholders
## Data Collection

<table>
<thead>
<tr>
<th>Methodology</th>
<th>February &amp; March</th>
<th>Field Work: Sumatra</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Jakarta</td>
<td>South Sumatra:</td>
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<tr>
<td>Expert interviews (20)</td>
<td></td>
<td>scheme</td>
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<td></td>
<td></td>
<td>North Sumatra:</td>
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<tr>
<td></td>
<td></td>
<td>independents</td>
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<tr>
<td></td>
<td></td>
<td>Jambi: independents</td>
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<td></td>
<td></td>
<td>Riau: Indep.</td>
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<tr>
<td>Survey with 217 smallholders</td>
<td></td>
<td>✓</td>
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<tr>
<td>Semi-structured interviews (55)</td>
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<td>✓</td>
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<tr>
<td>with smallholders, experts, mills, collectors and group heads</td>
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</table>
Who did we talk to?

Sampling

Identification methods

(1) Random selection from RSPO training participants’ lists
(2) Random selection from smallholder group (kelompok) membership lists
(3) “knocking on doors”

Sample not representative for all smallholders in province or in Indonesia
Who did we talk to?

Sample Description: Independent Smallholders

- Median plantation area: 2ha (n=194)
- 45% of smallholders in our sample: monthly palm oil income of 268 USD or less (n=192)
  minimum wage 2012: 123 USD
- For 68% of smallholders in our sample: palm oil income represents most important income source (n=195)

Figure: Contribution of palm oil income to total income

- 31% Represents all income
- 37% Represents most income
- 22% Represents half of the income
- 10% Represents less than half the income

Source: Baseline Study DIE 2012
4. Benefits of Smallholder Certification

<table>
<thead>
<tr>
<th>Benefits in Literature Review</th>
<th>Findings from the Field</th>
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<tbody>
<tr>
<td><strong>Environmental benefits</strong></td>
<td></td>
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<tr>
<td>Large-scale, e.g. less deforestation</td>
<td>Difficult without proper setting</td>
</tr>
<tr>
<td>Small-scale, e.g. less chemicals</td>
<td>Potential exists</td>
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<tr>
<td><strong>Economic benefits</strong></td>
<td></td>
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<tr>
<td>Higher Yield</td>
<td>Most important realizable benefit for smallholders</td>
</tr>
<tr>
<td>Better quality (oil extraction rate)</td>
<td>Benefit depends on selling structure</td>
</tr>
<tr>
<td>Price premium</td>
<td>Currently negligible</td>
</tr>
<tr>
<td>Market access</td>
<td>Currently no danger of market exclusion</td>
</tr>
</tbody>
</table>
5. Trade-Offs

- Economic Sustainability
- Environmental Sustainability
Two Concerns

1. Environmental Benefits but Smallholder Exclusion
2. Economic Benefits but Perverse Environmental Effects
Concern: Exclusion of Smallholders

Diffusion of standards that aim at environmental sustainability may undermine the socioeconomic situation of smallholders – insofar as standards generate smallholder exclusion.
Insights from Field Research:

- no market exclusion of smallholders
- Smallholders are still able to sell uncertified palm oil
But:

- Demand for sustainable products is rising
- Smallholder certification requires external support as it demands capacities that smallholders often lack
- Without external support, smallholders may in the future be excluded from markets that demand sustainable products
Concern: Perverse Incentives

Socioeconomic benefits of certification may have perverse implications for environmental sustainability – insofar as they increase incentives to expand palm oil plantations, including into forested areas.
Insights from Field Research:

- Smallholder certification generates substantive socioeconomic benefits, above all by increasing yield
  - Increased economic attractiveness of palm oil
  - Increased financial capacities for expanding palm oil plots

- Survey: 39% (n=66) of smallholders stated that they would expand into an area that is covered by forest
6. Conclusion

Aiming for „inclusive green growth“ on the basis of smallholder certification can entail major trade-offs

- Socio-economic concern: smallholder exclusion
- More acute environmental concern in the context of smallholder certification: perverse environmental effects
• **Supporting smallholder certification – but with a clear focus on environmental sustainability**

  - increasing environmental dimensions of training for smallholders
  - following example of smallholder project in Riau: exclusion from certification if palm oil plot is expanded into critical areas, contract and social pressure against deforestation

• **Making smallholder certification more effective with a view to environmental sustainability**

  - Making standards stricter, closing existing loop-holes
  - Improving political and economic framework conditions for more effectiveness (e.g. better land-planning, better monitoring of protected areas)
Thank you for your attention!

German Development Institute / Deutsches Institut für Entwicklungspolitik (DIE)
Tulpenfeld 6
D-53113 Bonn
Telephone: +49 (0)228-949 27-0
E-Mail: DIE@die-gdi.de
www.die-gdi.de
www.facebook.com/DIE.Bonn