

Does certifying oil palm help alleviate poverty?

Lessons from RSPO in Indonesia

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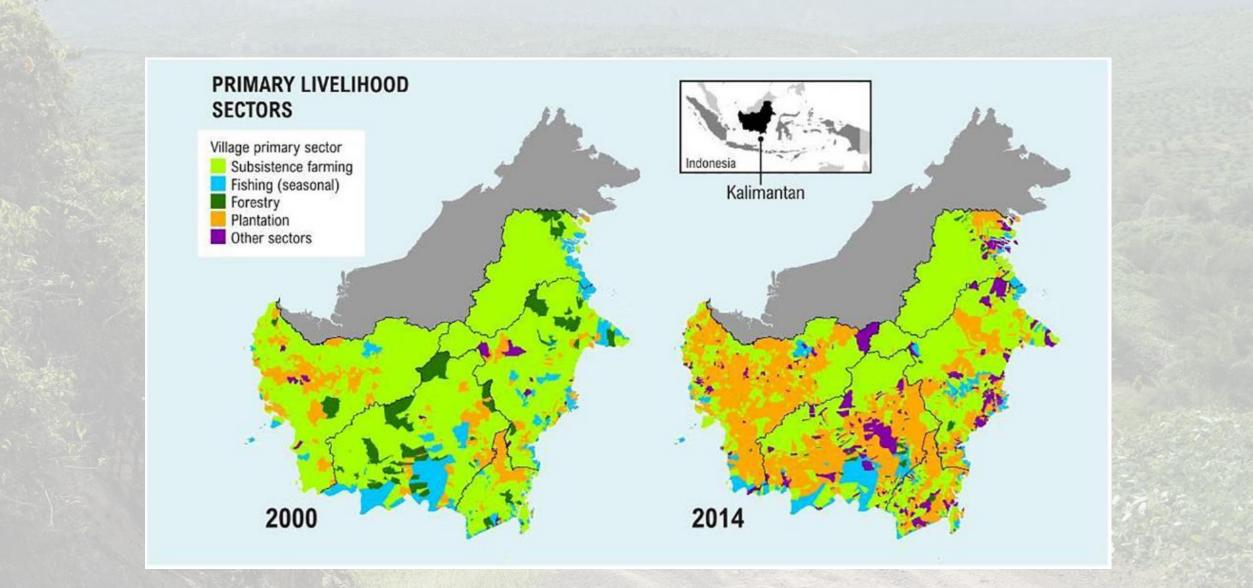


The amazing team





Initially a focus on development in Kalimantan



Source: PODES census 2000 & 2014



Sustainable oil palm





Poverty is implicit in the SDGs

"Poverty is more than the lack of income & resources... Its manifestations include hunger & malnutrition, limited access to education... social discrimination & exclusion, as well as the lack of participation in decision-making" (SDG1)

SUSTAINABLE GALS



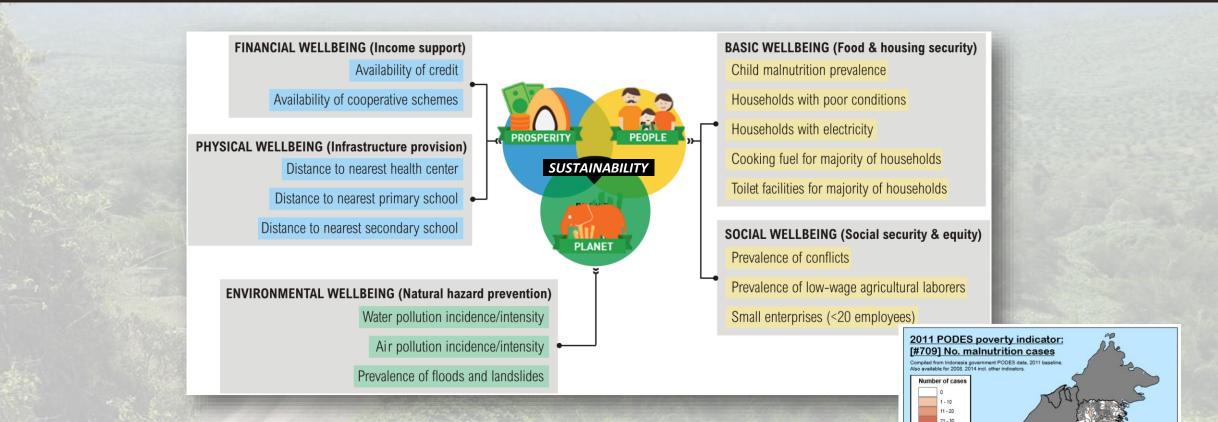
Wellbeing : The state of being comfortable, healthy, or happy (Oxford Dictionary).

Wellbeing comes from a *capability* to function in society.

Poverty: arises when people lack capabilities.



Poverty is multidimensional

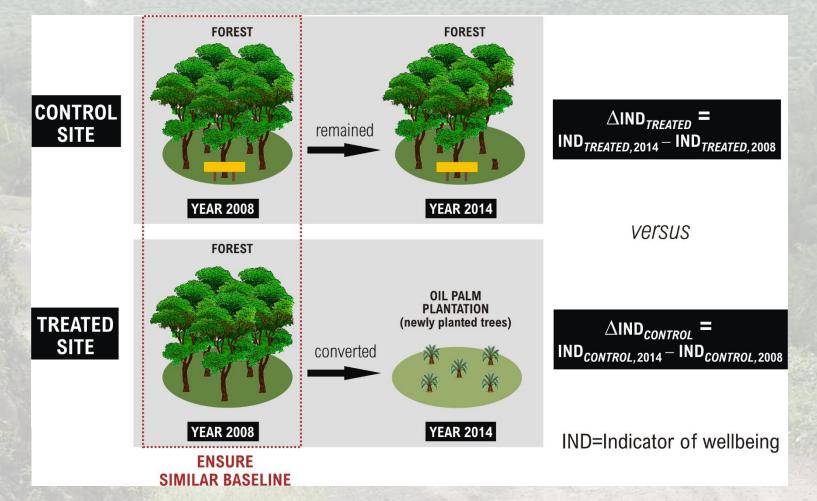


18 indicators to reflect basic, financial, physical, environmental & social aspects of wellbeing
6,600 Kalimantan villages : *PODES* census every
3 years, 2000-2018: 1 - 5,000 km² extent (x = 80 km²)



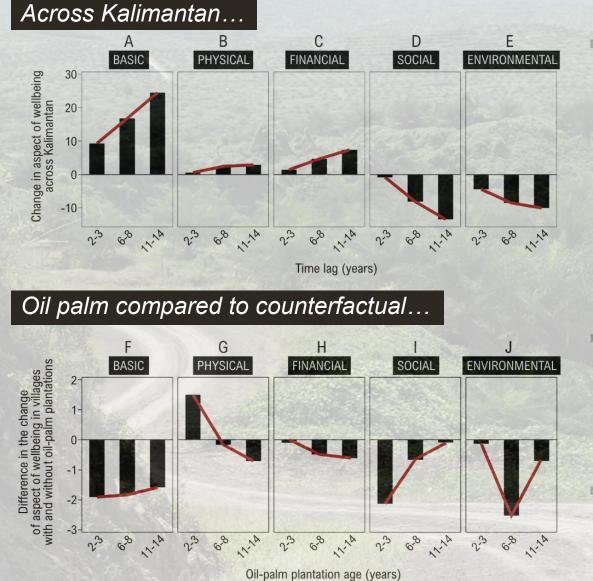
Method: A matched site comparison

Counterfactual analysis using propensity score matching Spatial matching of what would have happened in absence of oil palm



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Oil palm hasn't alleviated poverty in Kalimantan

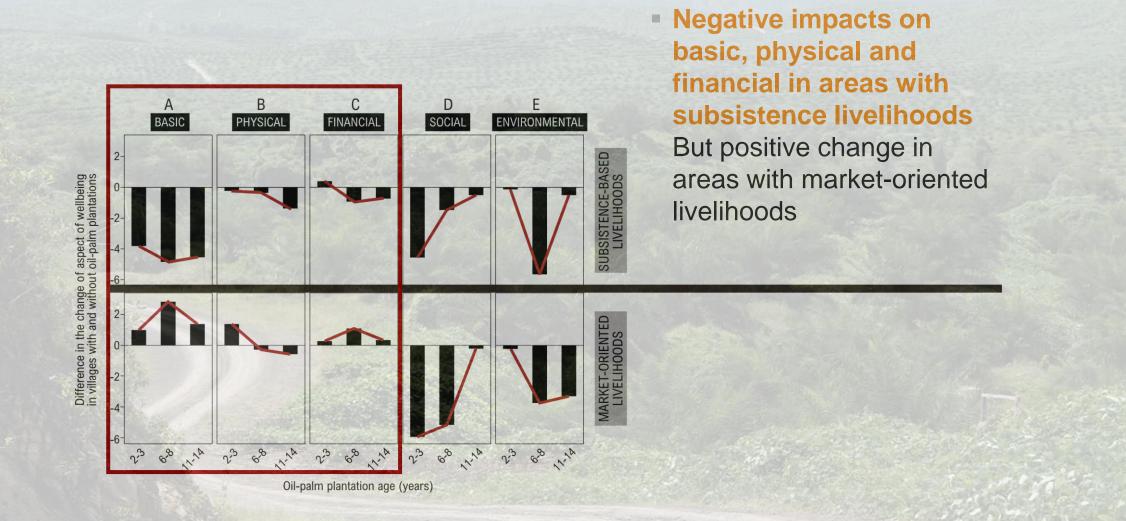


Basic, physical & financial wellbeing improved in <u>all</u> villages But social & environmental declined.

BUT improvements were <u>slower</u> in villages with oil palm (with similar biophysical features)

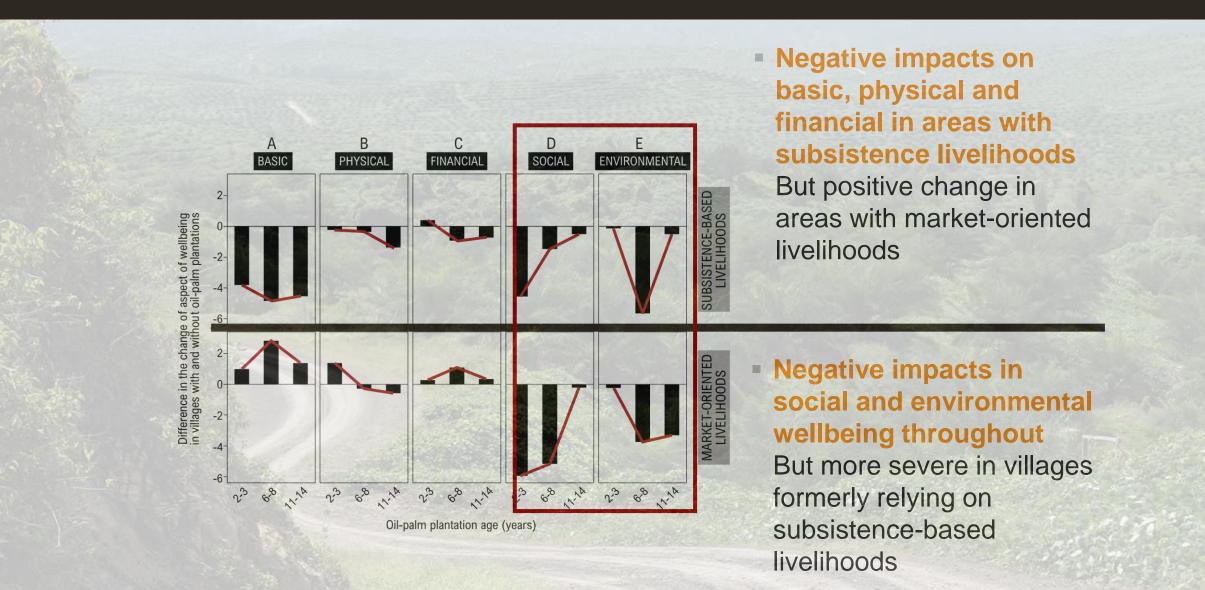
And a <u>faster</u> decline in social & environmental wellbeing

Impacts varied with baseline village conditions



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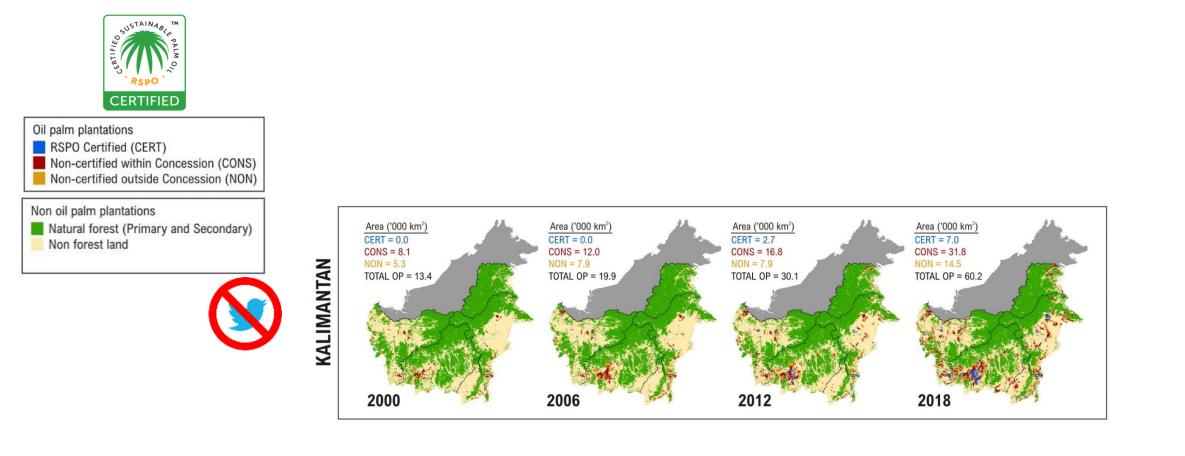
Impacts varied with baseline village conditions



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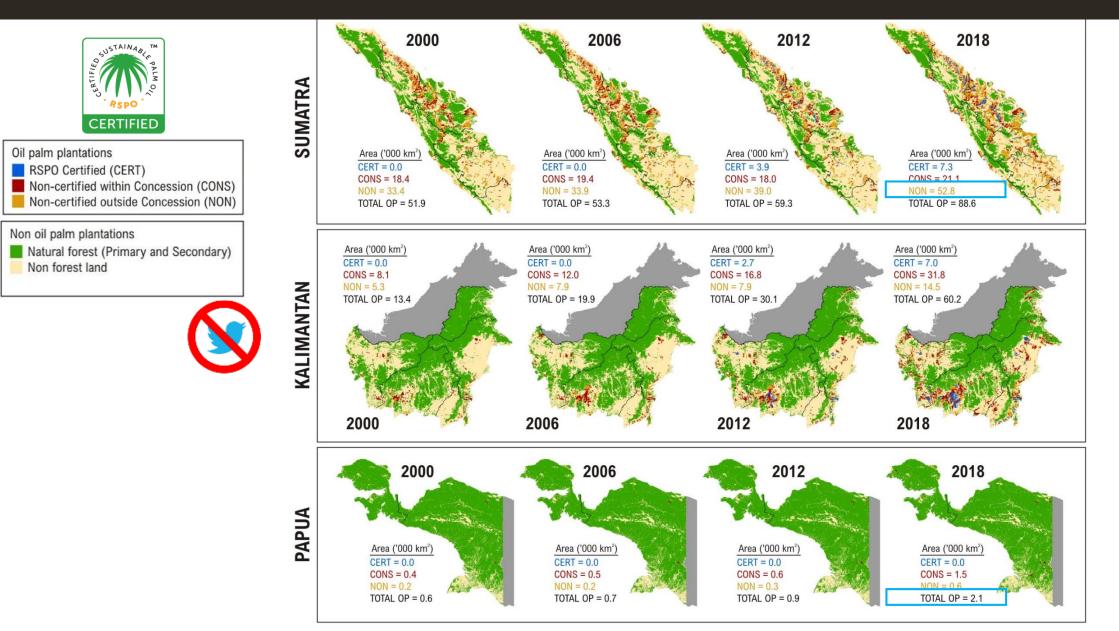


Expansion of oil palm in Indonesia



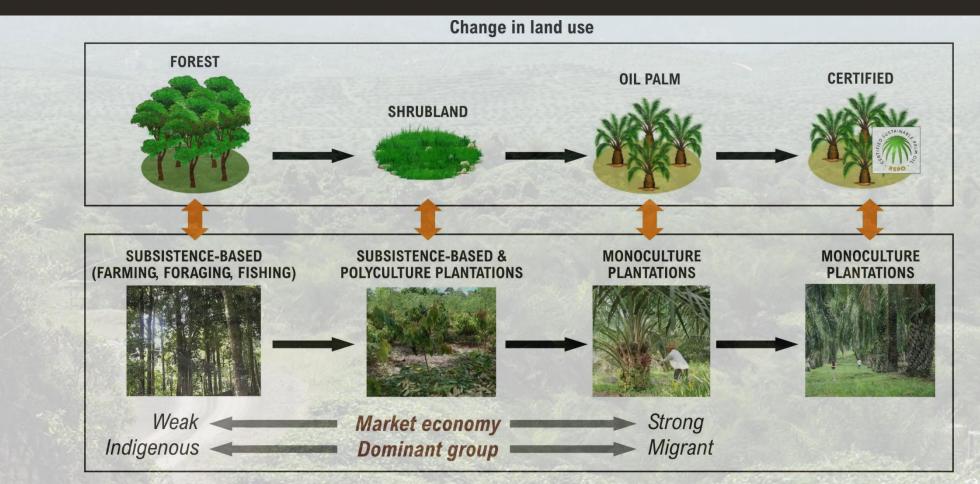


Expansion of oil palm in Indonesia





The transition to certified oil palm

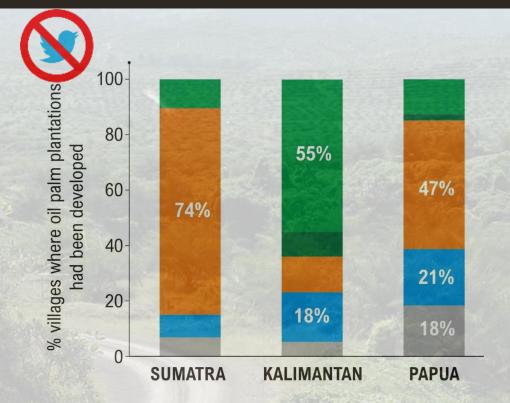


Change in primary livelihood sectors and community structure

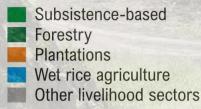
 More important is transition of livelihoods rather than landuse The baseline wellbeing conditions in each livelihood sector differs.



The transition to certified oil palm



Village primary livelihood sector prior to oil palm development



In Kalimantan..

Oil palm mostly developed in villages with subsistencebased livelihoods

In Sumatra...

In villages with plantations as primary sector (i.e. already market-based livelihoods)

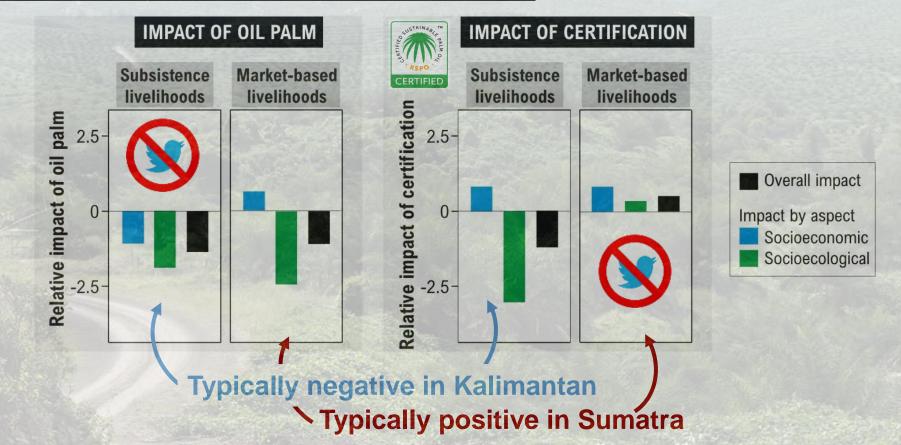
In Papua...

In villages with plantations or wet rice farming in transmigration areas



Overall impact of RSPO on poverty varied

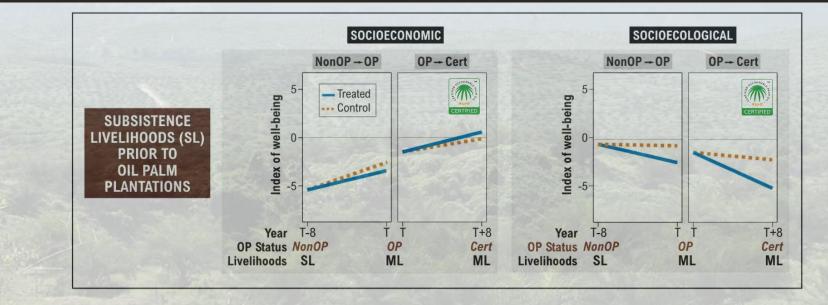
Across Kalimantan, Sumatra & Papua, 2000-2018

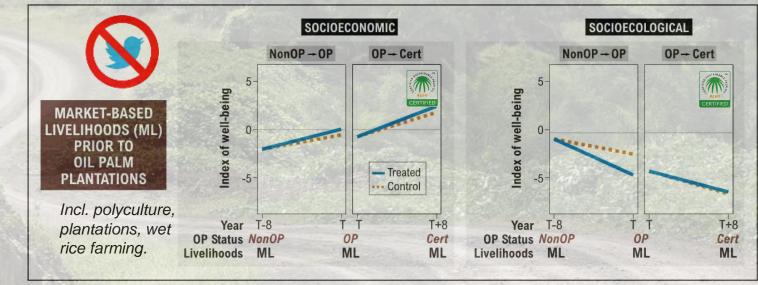


 RSPO impact also depends on <u>underlying livelihood conditions</u> Negative in subsistence areas; positive in market-based areas



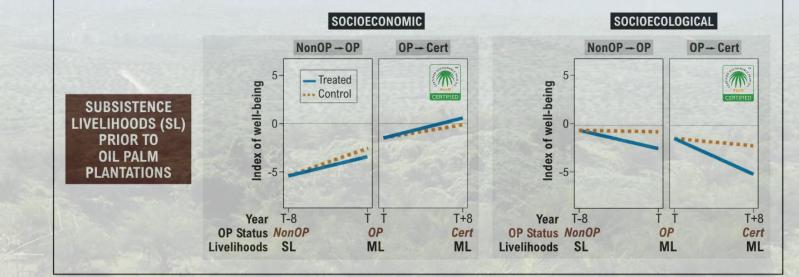
Wellbeing through the certification process





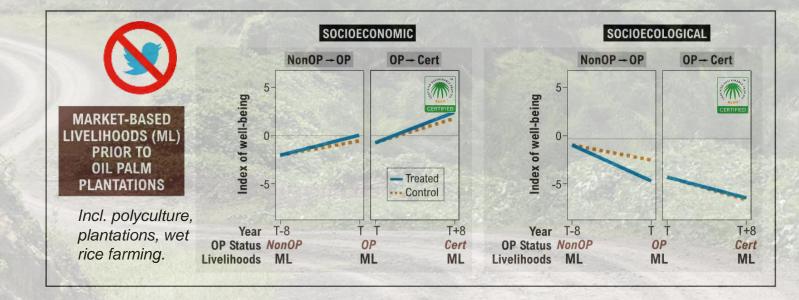


Wellbeing through the certification process



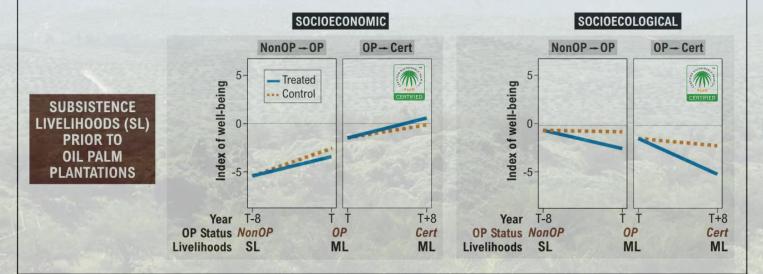
Typical of Kalimantan

Where more oil palm developed in villages relying on subsistence based livelihoods



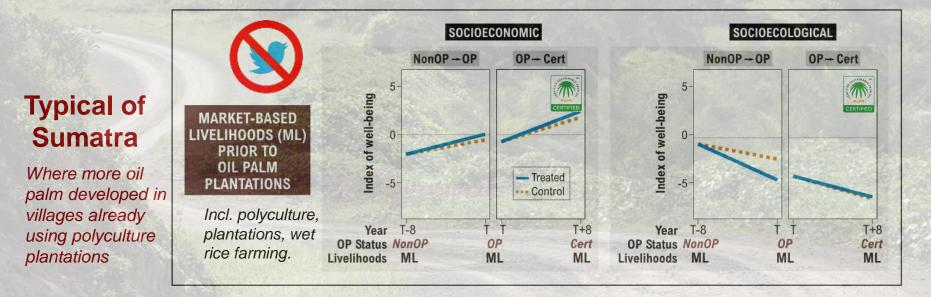
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Welfare change through the certification process



Typical of Kalimantan

Where more oil palm developed in villages relying on subsistence based livelihoods



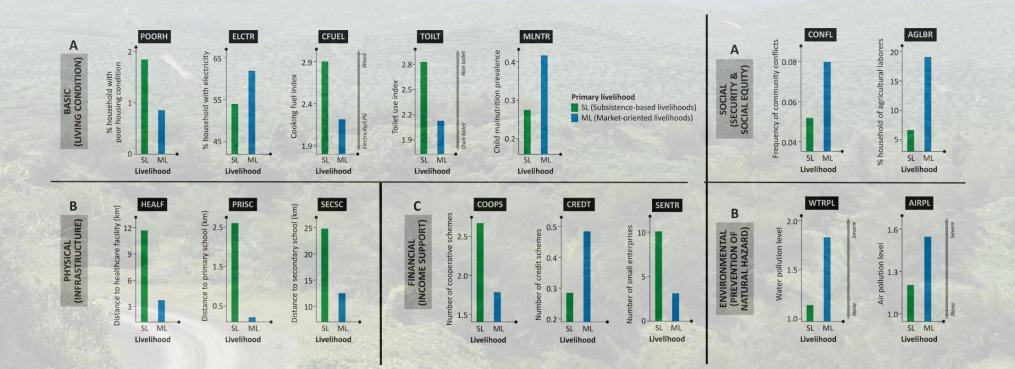
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Key messages for oil palm certification

- 1. RSPO has led to improved wellbeing in Sumatra
 - Especially areas already degraded, with market-based livelihoods. (though conditions are worse than the baseline before palm established)
- 2. RSPO appears to have been much less effective in Kalimantan Mainly these are areas where subsistence-based livelihoods dominated before plantations established. Many in coastal peatlands.
- 3. Likely positive outcome for Papua the short term (like Sumatra) Still early days. So far most palm (incl RSPO sites) are in areas where market-based livelihoods are more common...
- 4. Emphasises importance of baseline conditions Terima kasih!

Characteristics of areas dominated by subsistence vs market based livelihoods



Living conditions, infrastructure, retail & access to credit are <u>lower in</u> <u>areas dominated by subsistence-based livelihoods</u> 60% of all new oil palm plantations in Kalimantan between 2000 and 2014 were developed in these areas.

Oil palm development pathways

