Towards a Sustainable Future for Palm Oil; Reviewing Governance Challenges

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Introduction

- palm oil production and consumption is worldwide one of the most debated activities with respect to sustainability
- raising many challenges for governments, the industry and civil society organisations
- how can these be addressed?
 - what is sustainability governance with respect to palm oil provision?
 - what are key challenges from an integrated system perspective?
 - how can challenges and actors be brought together?





From government to governance

governments are no longer the dominant actors in society and many more (private) actors are involved in steering developments in society

=> governance

- sustainable palm oil governance involves different public and private actors and this entails different balances of power
- how to coordinate these multiple actors and develop integrated and effective forms of governance?





Sustainability: what is it?

- WCED (Brundtland-Report 1987) definition: sustainable development is 'development that meets the needs of the present without compromising the ability of future generations to meet their own needs'
- combining developmental and environmental aims
- balancing three dimensions:
 - economic (development, income, employment)
 - social (small-holders, workers, poor)
 - environmental (climate, pollution, biodiversity)

also know as 3Ps (People, Planet and Profit)





Sustainable Development Goals (SDGs) set in 2016 to be achieved in 2030 LS



DEVELOPMENT **17 GOALS TO TRANSFORM OUR WORLD**



Sustainability and Palm Oil

multiple challenges along the palm oil supply chain

- cultivation
- harvesting
- processing
- end-use
- involving different actors
 - producers (farmers, companies, workers, etc.)
 - industry (processors, final industries, transporters, etc.)
 - public authorities (local, national, international
 - consumers and NGOs





Based on the HLPE (2017) Conceptual framework for food systems



HLPE 2017



Palm oil supply chains



Palm oil cultivation (1) Plantation



Forest fires and haze



Use of peat soils



Biodiversity



Local community

Governance challenges and instruments

spatial planning to structure and control new and existing oil palm plantations

- involving local communities, local authorities and regional/national authorities
- clarity about land-ownership:
 - local communities, national authorities, local authorities and legal system
- mixed cropping:
 - agricultural experts, producers, market partners, national authorities





Palm oil cultivation (2) cultivation



Pesticide use



Labour conditions



Use of leftovers; biomass

Governance challenges and instruments

environmental and labour regulations:

- national authorities, labour unions, producers (large and small), legal system
- use of biomass:
 - technical experts, economic experts, market partners, public authorities (in case of subsidies)

Palm oil supply chains

Palm oil processing

Empty fruitbunches (EFB)

Palmoil mill effluent (POME)

Air pollution

Governance challenges and instruments

environmental regulations (design and implementation):

 national authorities, mills, legal system

use of biomass in optimized manner:

 technical experts, economic experts, market partners, public authorities (in case of subsidies)

Palm oil supply chains

Palm oil consumption and recycling

Governance challenges and instruments

environmental regulations (recycling):

 national authorities (regulations and finances, consumers, industry (collecting and processing)

use of biomass in optimized manner:

 technical experts, economic experts, market partners, public authorities (in case of subsidies)

Dutch households recycle 41% of the used cooking oil

Backcasting to address sustainability governance

- designing sustainability governance arrangements and choice of instruments needs involvement of relevant stakeholders
- backcasting is a potential instrument for this:
 - stakeholder analysis and involvement
 - envisioning the desirable future
 - exploring potential pathways towards this future
 - checking whether these pathways will result in the desired future
 - extracting and aligning stakeholder action plans based on the joint pathways

Governance arrangements

government instruments:

 national: spatial planning, environmental and social regulations, R&D, subsidies

- international: WTO, FAO
- market instruments:
 - standards, labelling and certification
 - prices
- alternative instruments:
 - improvement projects, sustainability partnerships, pre-competititon collaboration

 resource-based approaches: area-based management, improved ICT-based traceability

state regulation (mandatory)

private standards (voluntary)

Conclusion

- promoting sustainability in palm oil provision means addressing many challenges across the complete supply system from production until consumption involving many stakeholders
- a more integrated approach is needed involving multiple stakeholders in a systematic way
- collaboration between different stakeholders is needed to be effective including setting priorities and dealing with synergies and trade-offs
- social sciences need to collaborate with science and technology to suggest feasible ways forward

Thank you for your attention

