

An aerial photograph showing a clear boundary between a well-organized palm oil plantation in the upper half and a dense, diverse tropical rainforest in the lower half. A red dirt road or path runs horizontally across the middle, separating the two areas. The palm trees are uniform in size and spacing, while the forest below is a complex mosaic of various green shades and tree heights.

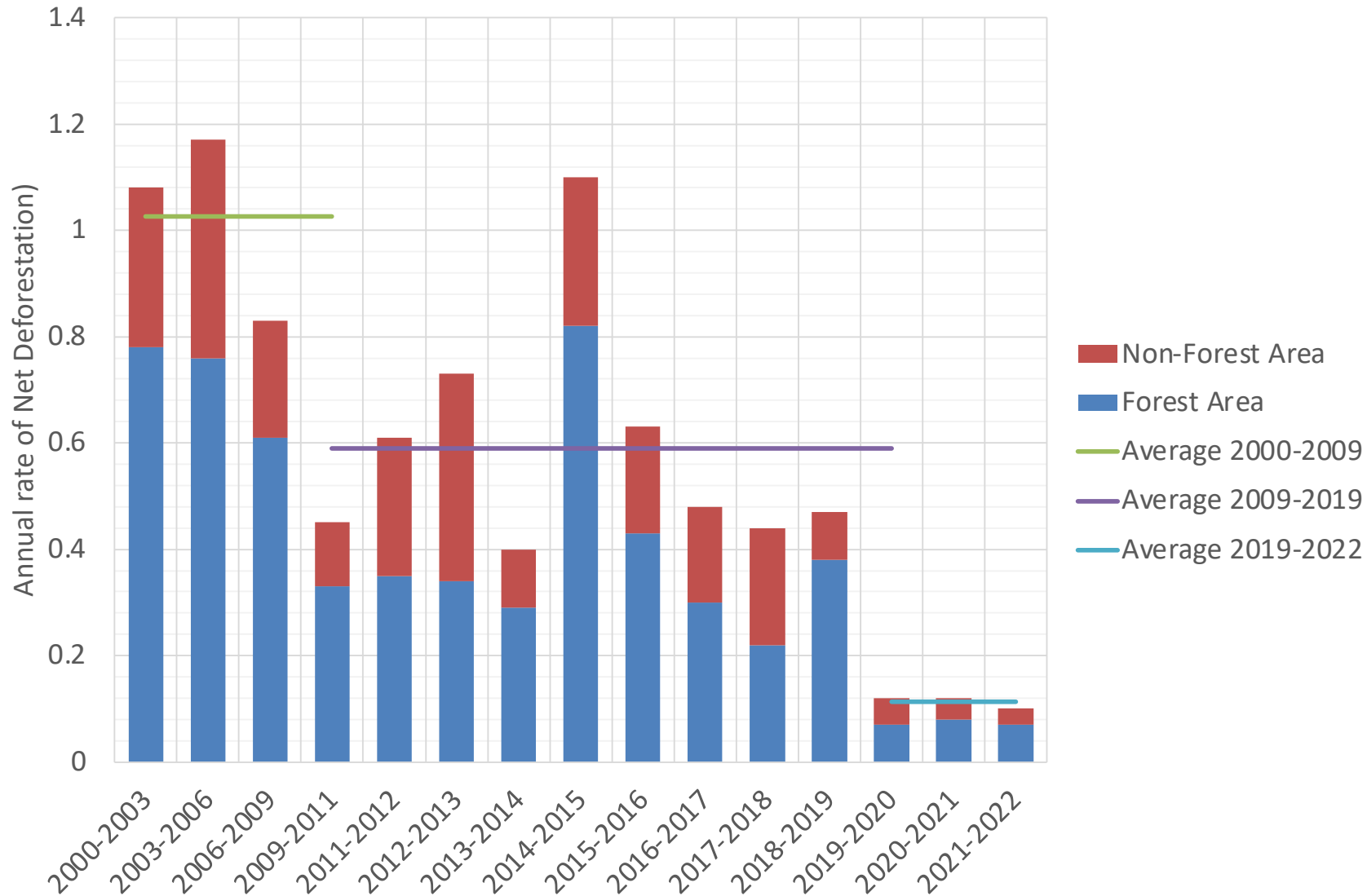
ROLE OF FOLU IN NDC: Case of Indonesia

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LCS-RNet , 18 December 2023

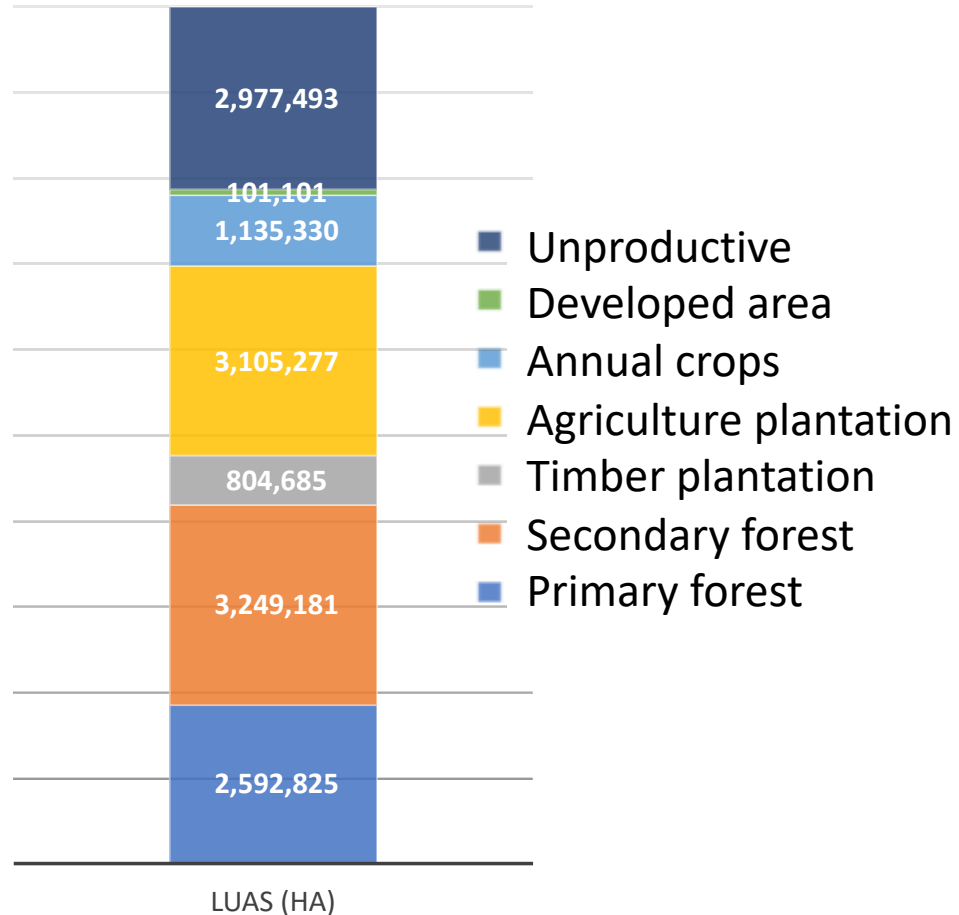
Net Deforestation in Indonesia: 2000-2022



Source: MoEF, 2023



Peatland in Indonesia

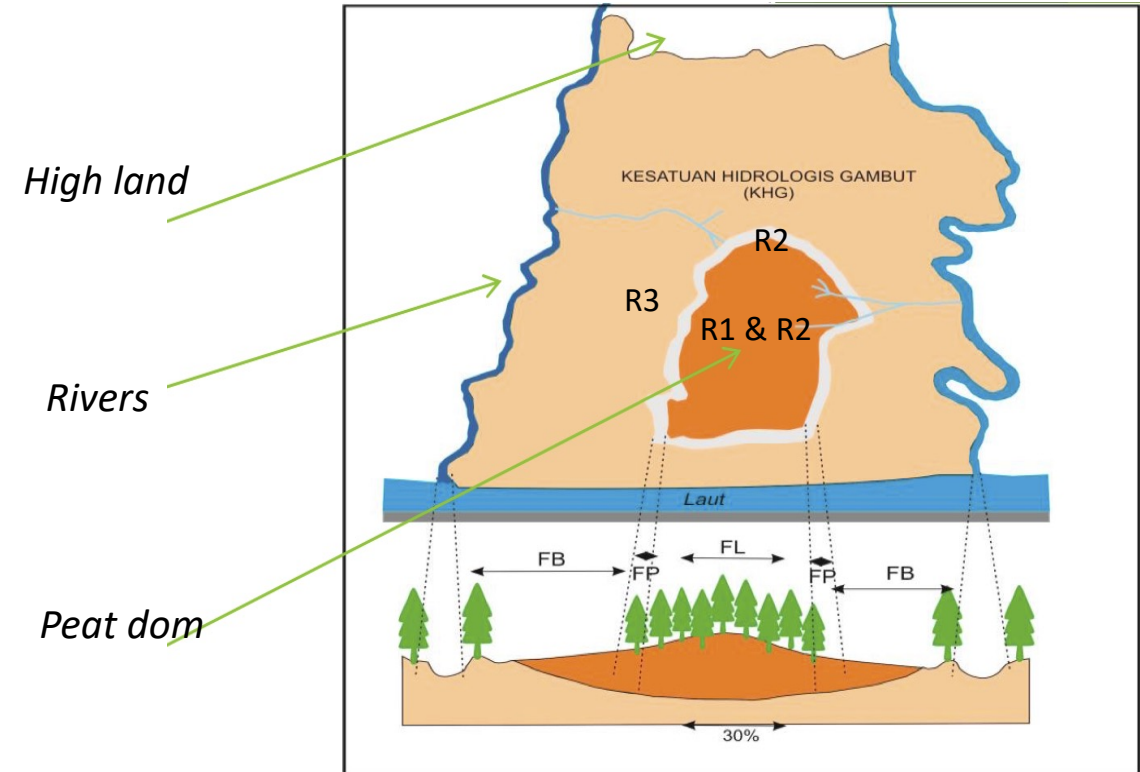


Area of peatland in Indonesia reach almost 14 Mha. Area still covered by natural forest about 40%, and the 60% mostly used for forest and estate plantation and crops. Unproductive is almost 3 Mha



Peat Restoration

- Peat restoration covers activities of
 1. Rewetting: 95% of farmers stated after canal blocking can reduce the fire occurrence
 2. Revegetation
 3. Revitalization



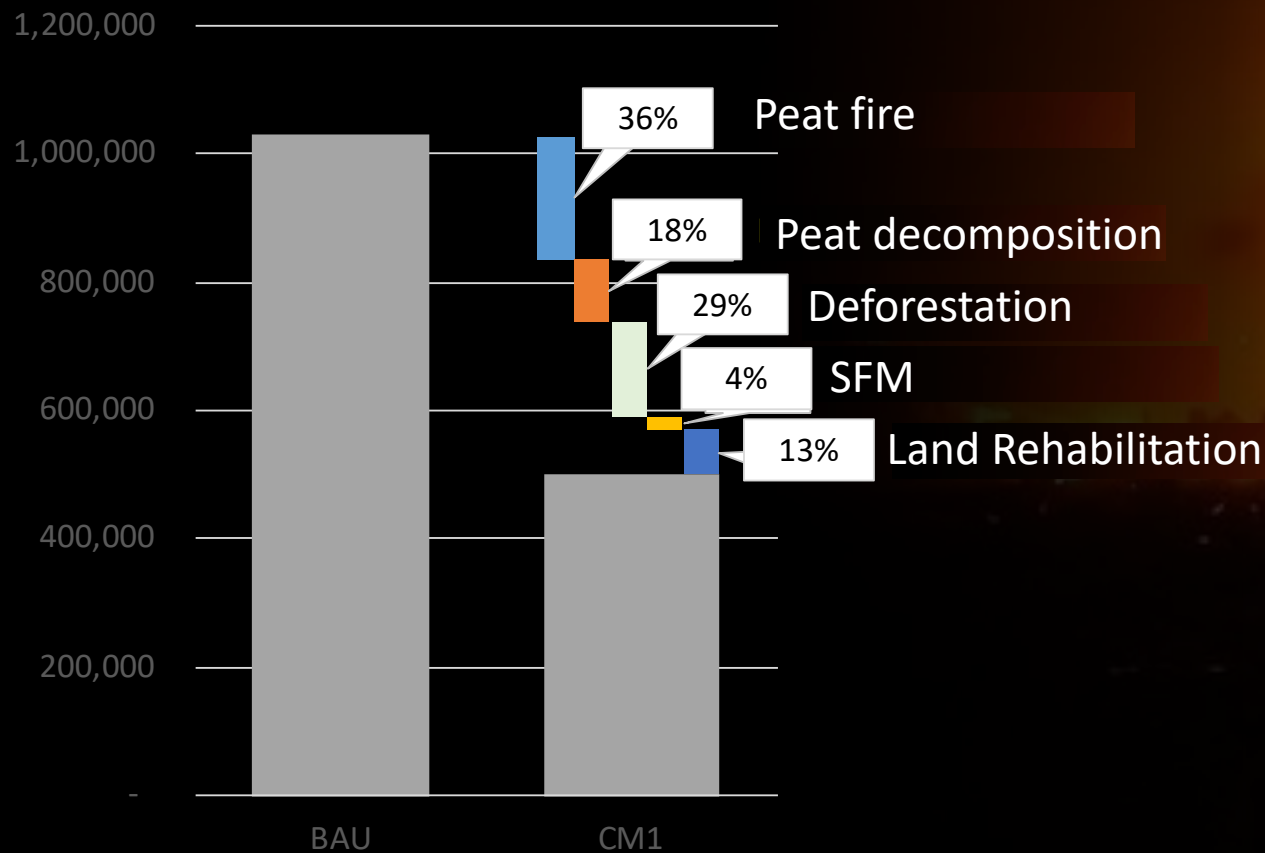
Source: BRG (2018)

FL = Protection function (Peatdome)

FP = Buffering function

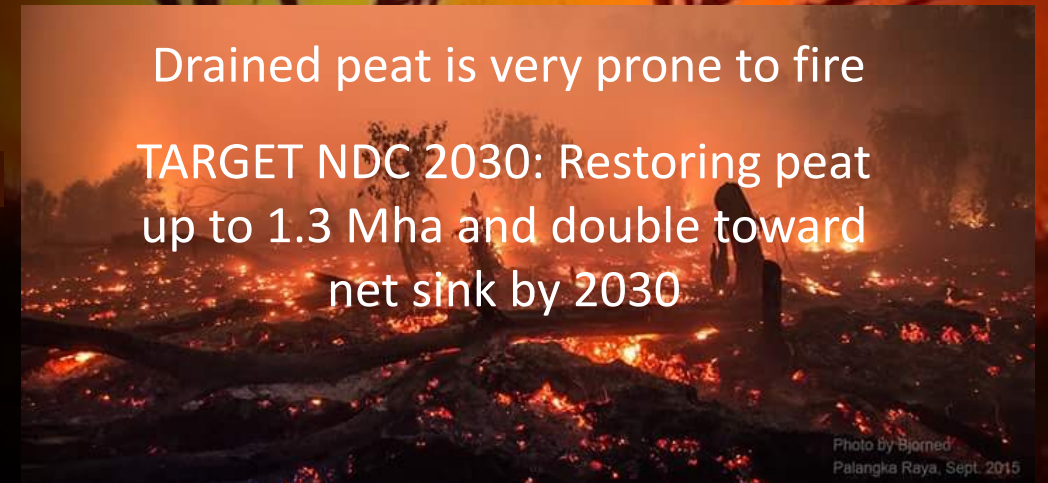
FB = Production function

NDC Target Toward Net Sink 2030



How to use peatland for agriculture in sustainable ways

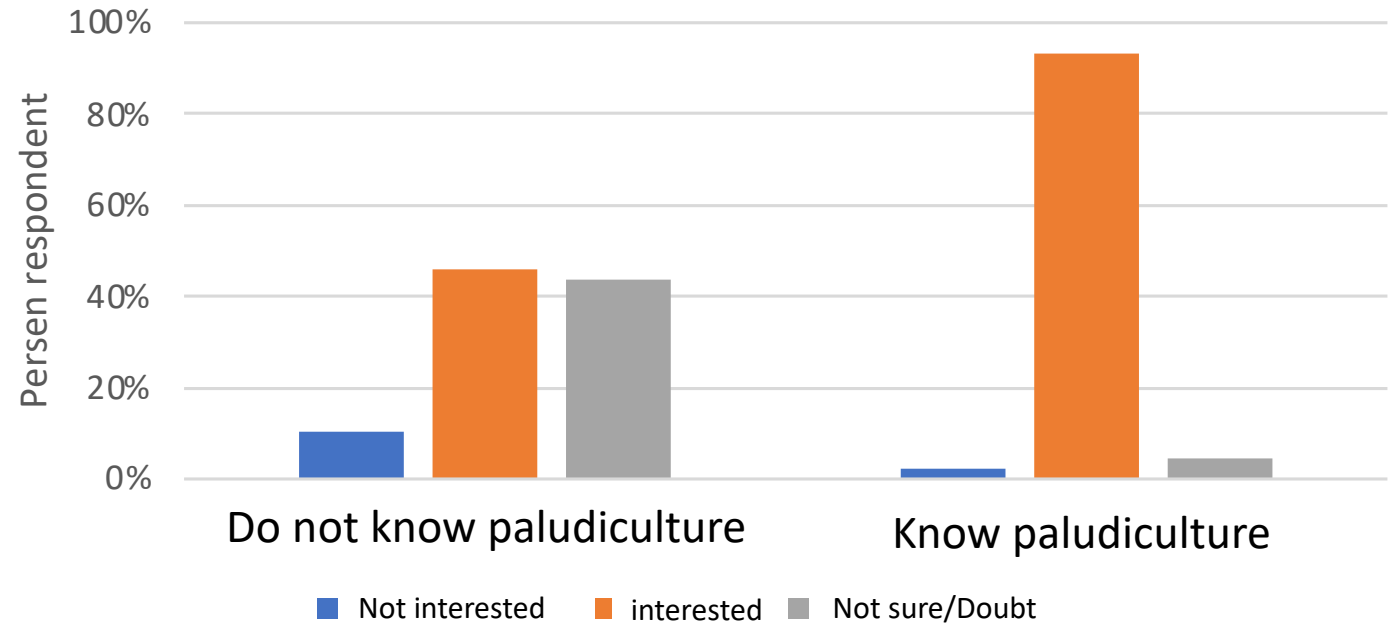
Paliduculture system is one of best practice for sustainable peatland management





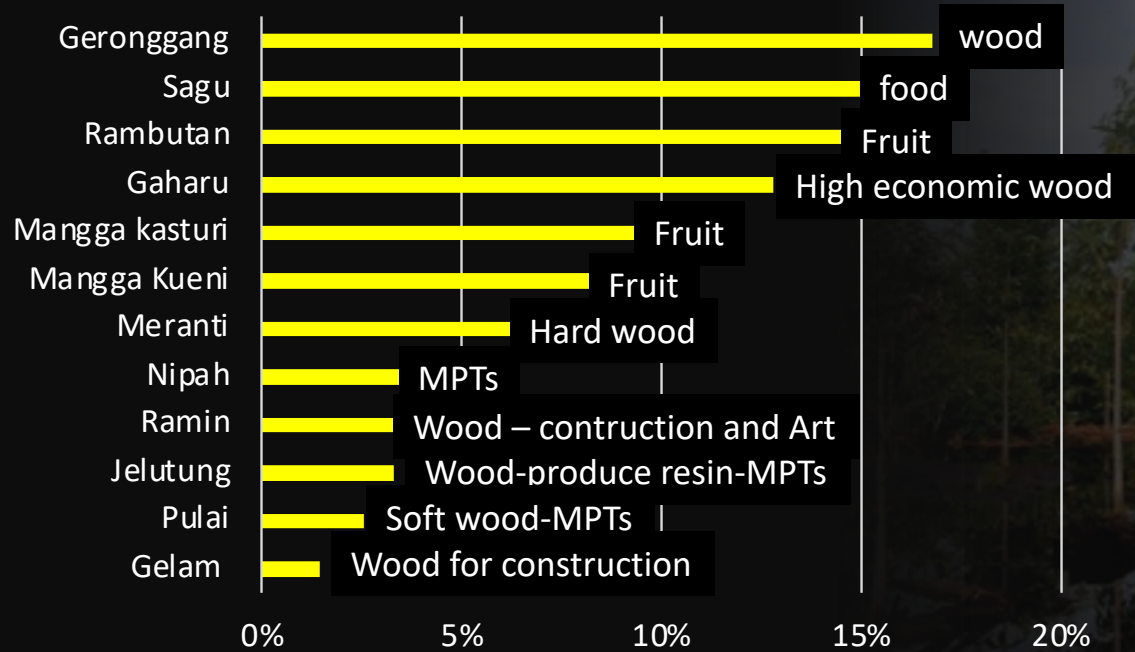
Paludiculture System

Farmers interest in Paludiculture

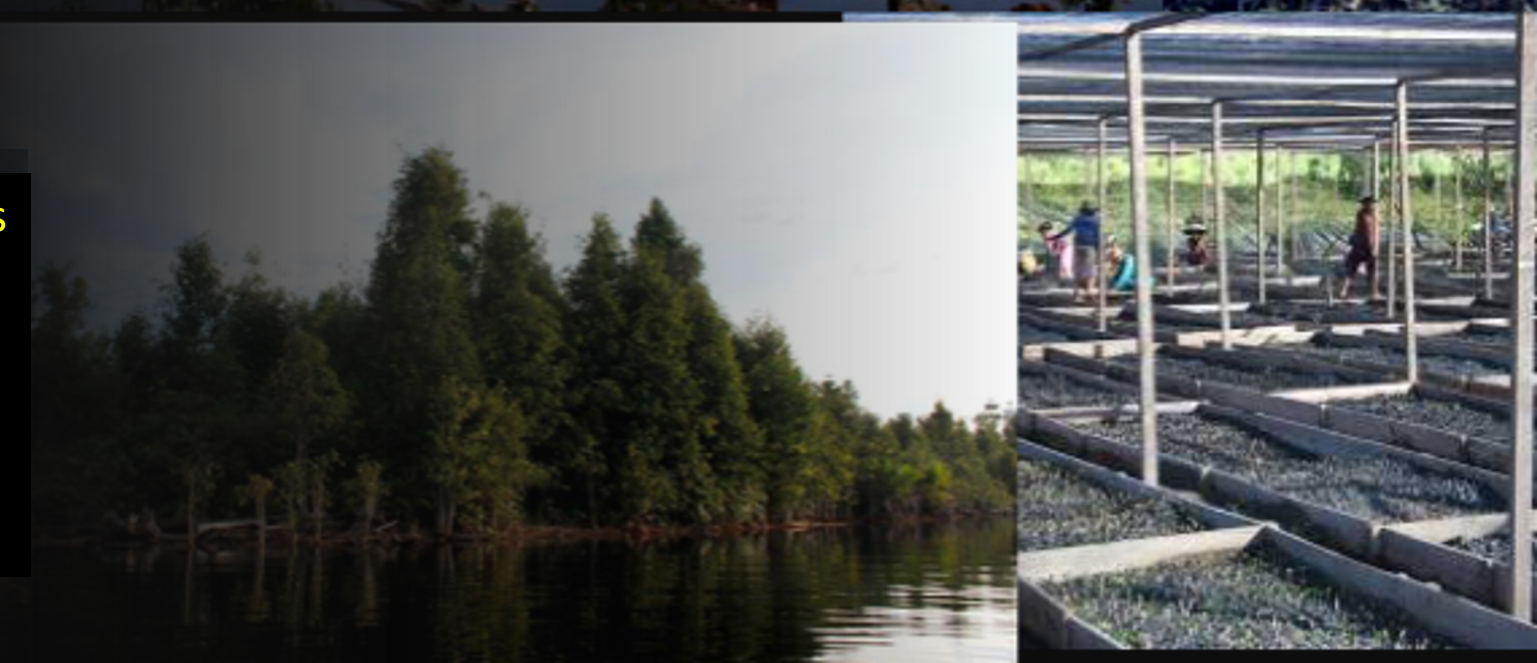
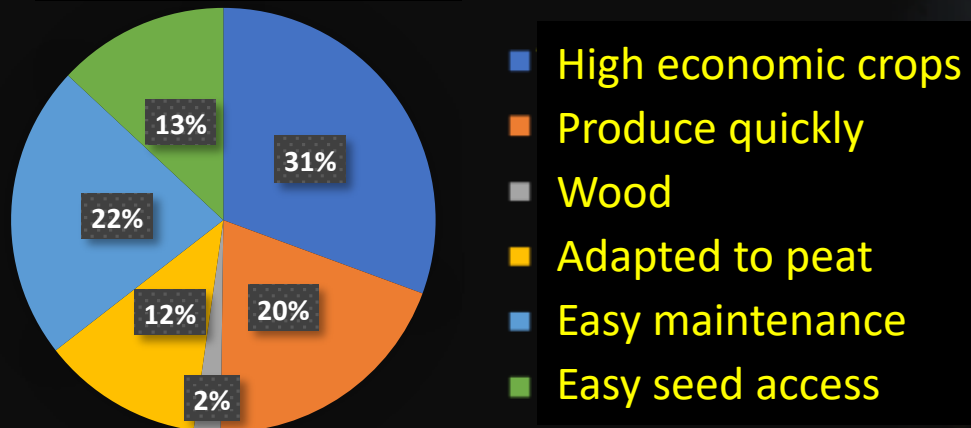


Source: Analysed by Boer et al. (2021)

Commodity Preference



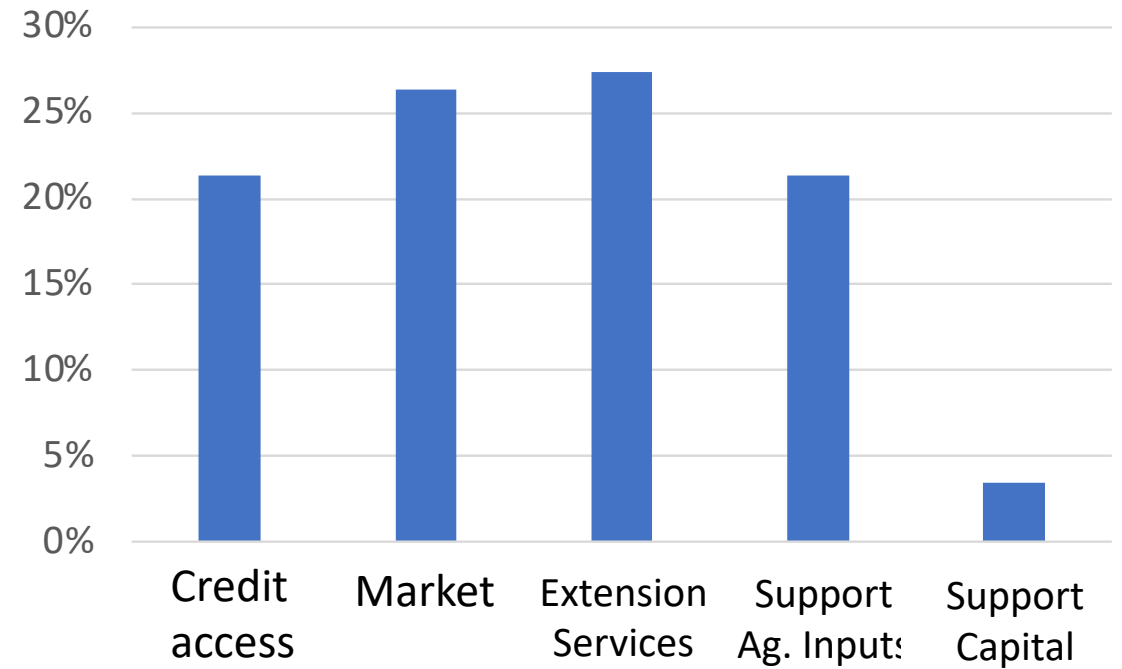
Consideration in selecting commodity



Paludiculture system



Supporting Required by Communities



Innovative funding mechanism for peatland sustainable management (credit schemes)

Carbon Pricing Policy

- The main fiscal instrument that potentially fills the budget demand for low carbon development is carbon pricing:
 - Carbon trading (Emission trading and offset emission)
 - Result Based Payment
 - Carbon tax
- BPD LH (Agency for Managing Environmental Fund)

