



“The Roundtable for Sustainable Palm Oil will transform the market to make sustainable palm oil the norm”

Certified Sustainable Palm Oil GHG Working Group – Update

**The Role of Commodity Roundtables & Avoided Forest Conversion
Agriculture, Food Security & Greenhouse Gas (GHG) Accounting
(8 September 2011)**

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Senior Research Scientist, Conservation International

Representative of Environmental NGO members to RSPO Executive Board and Co-Chair of the GHG WG

RT6 (2008) Resolution to establish GHG WG

DEADLOCK and DISCORD in a initiative based on CONSENSUS

RT7 (2009) new approach

GHG WG2 (20010 – 2011)

- Co-Chaired (balance) & Executive (committed to taking decisions)
- No changes to P&C -- without field testing
- Voluntary Action -- upstream and downstream
- Technical Work Streams to address (and resolve) divisive issues

WS1: Develop & Test a LCA calculator tool (operations, scalable, expandable)

WS2: Peatland Working Group for existing plantations

(document impacts, best practices & potential restoration)

WS3: Science Panel to document emissions from LUC & draining of peatland
(literature review: carbon stocks & flows, models & scenarios)

WS4: Policy Panel to identify the constraints and potential solutions
(legal review, REDD+, propose recommendations)

WS5: Voluntary Action from growers to reduce GHG Emissions

WS6: Upstream Commitments to reduce GHG emissions

- Report Back to the RSPO General Assembly in November 2011

Chair:

Fahmuddin Agus, Ph.D. (University of North Carolina, 1992)

Research Scientist, Indonesian Centre for Agricultural Land Resources Research

Indonesia

Petrus Gunarso. Ph.D. (University of Queensland, 2004)

Programme Director, Tropenbos International - Indonesian Programme

Bambang Hero Suharjo, Ph.D. (Kyoto University, 1999)

Professor, Faculty of Forestry, Bogor Agricultural University\

Malaysia

Abdul Rashid Ab. Malik, Ph.D. (University of London - 1993)

Deputy Director-General of Research, Forest Research Institute of Malaysia

Kanianthra Thomas Joseph, Ph.D. (University of Reading, 1971)

Professor Emeritus, Dept. Geography, University of Malaya

Rest of the World

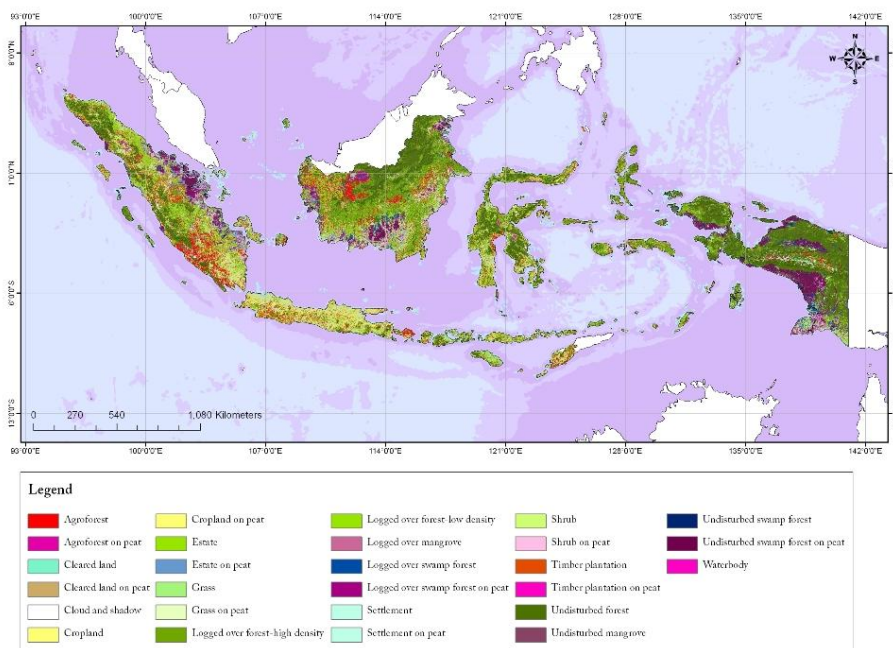
Nancy Harris, Ph.D. (State University of New York, 2006)

Program Officer, Ecosystem Services Unit, WINROCK International

Meine van Noordwijk, (Landbouwniversiteit Wageningen, 1987)

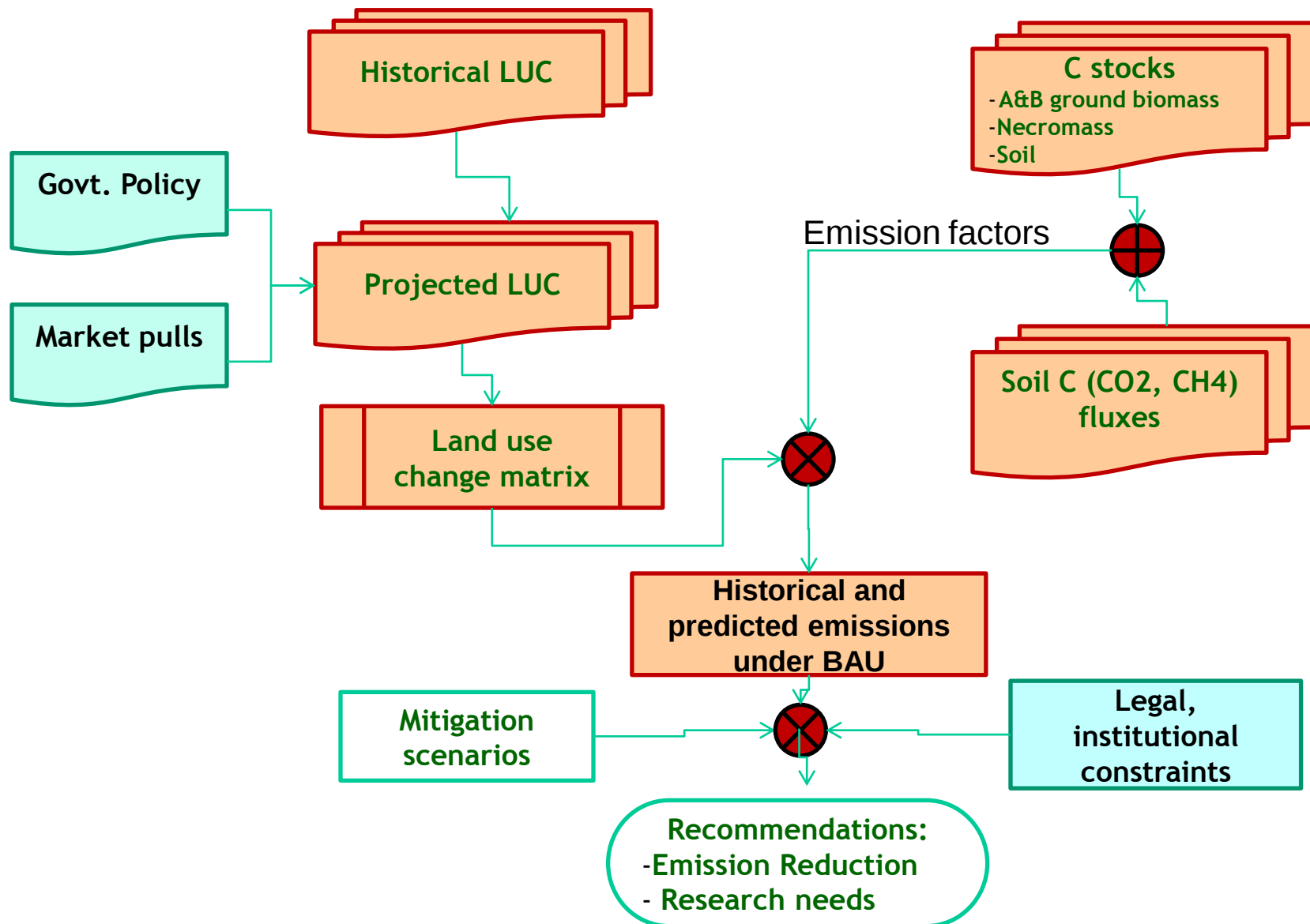
Chief Science Advisor, World Agroforestry Institute - ICRAF

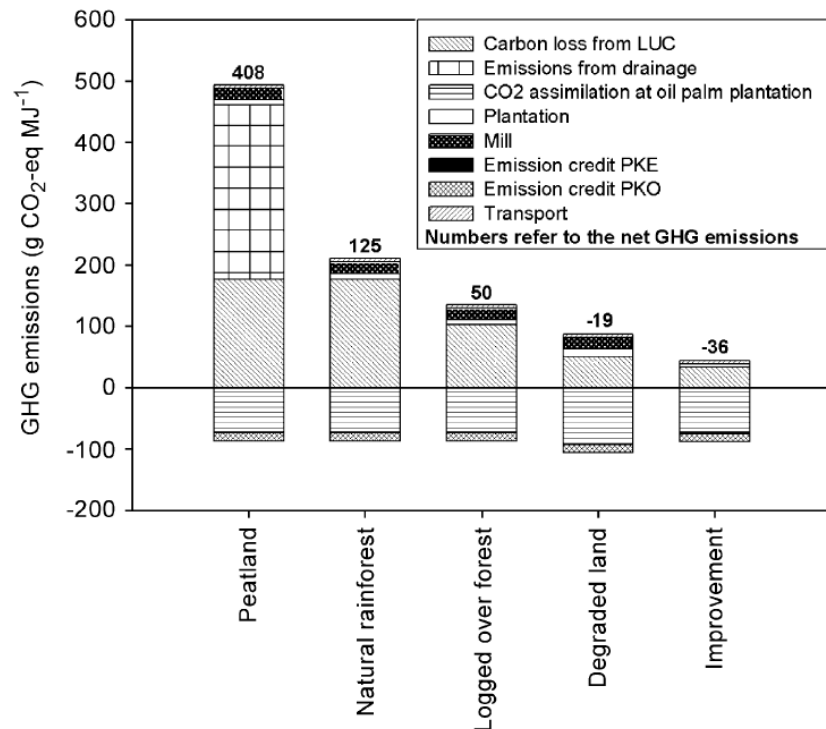
LAND COVER MAP OF INDONESIA IN 2005



Source: ALLREDDI -
<http://www.worldagroforestry.org/sea/projects/allreddi/>

- Review LUC data from 2 sources for 4 dates: 1990/2000/2005/2009
- Map spatial extent of palm oil estates
- Stratify LUC strata according to objective criteria (type, degree of degradation, previous use)
- Review carbon stock values in different types of land cover (logged forest, rubber plantation, scrubland)
- Review values for CO₂ emissions from drained peat
- Map fire frequency, extent, and intensity (depth of burning)
- Synthesize and review models and scenarios





Source: Wicke et al. 2008, Biomass & Bioenergy, 32, 1322-1337

Reduce net GHG emissions that do not impact the ability of the producers to meet market demand or development opportunities for producing countries

Capture methane emissions (POME) from water treatment ponds (CDM)

Avoid High Carbon Stock (HCS) landscapes

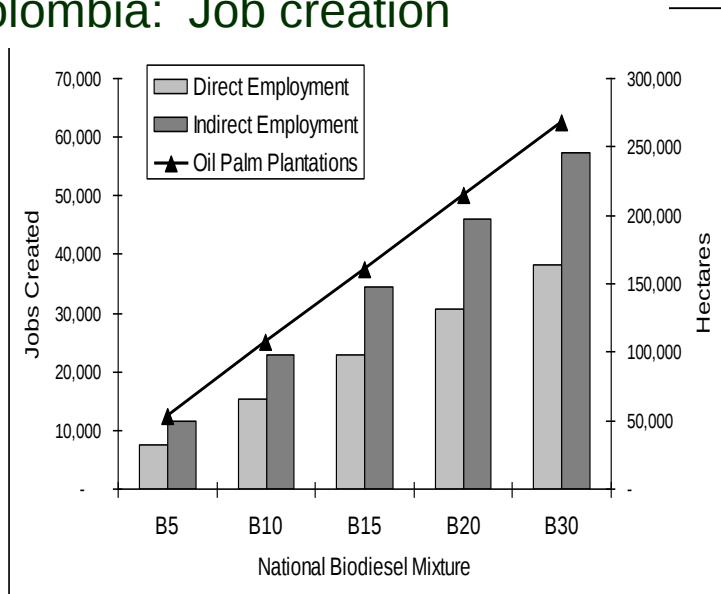
Increase Yields -- especially in smallholder landscapes (GHG emissions are calculated as MgC per ton of CPO)

Use set asides (including HCV set asides) to offset emissions to attain goal of carbon neutral CSPO

PO Expansion – Where Next?

Challenges & Opportunities

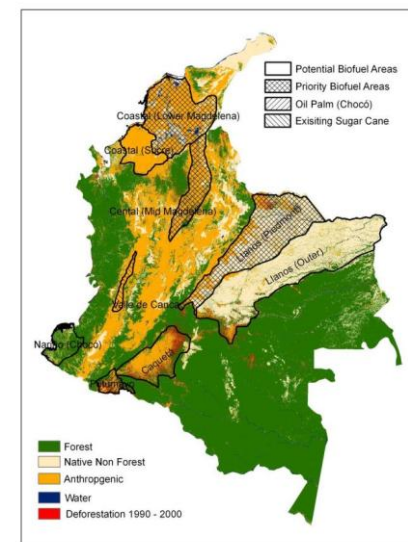
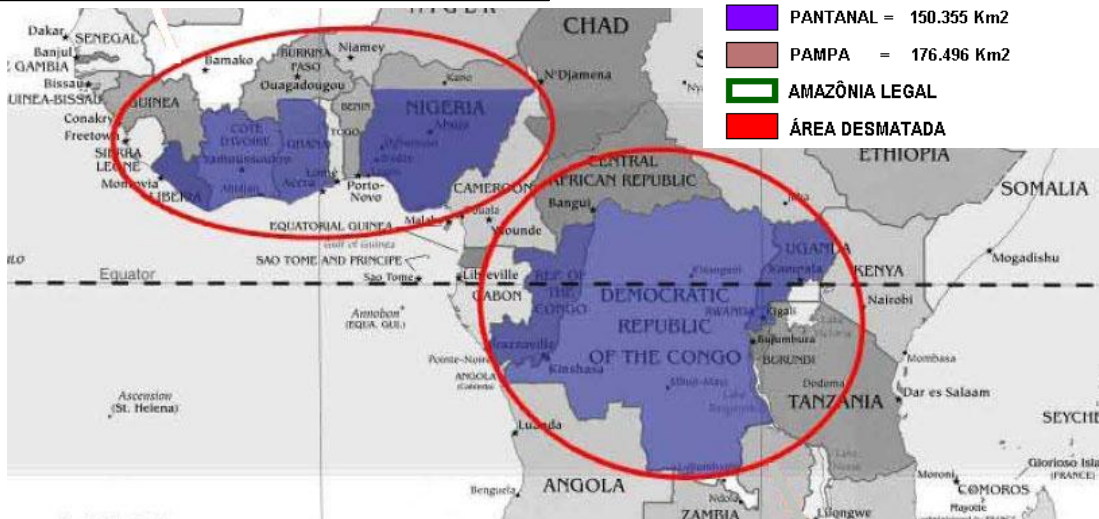
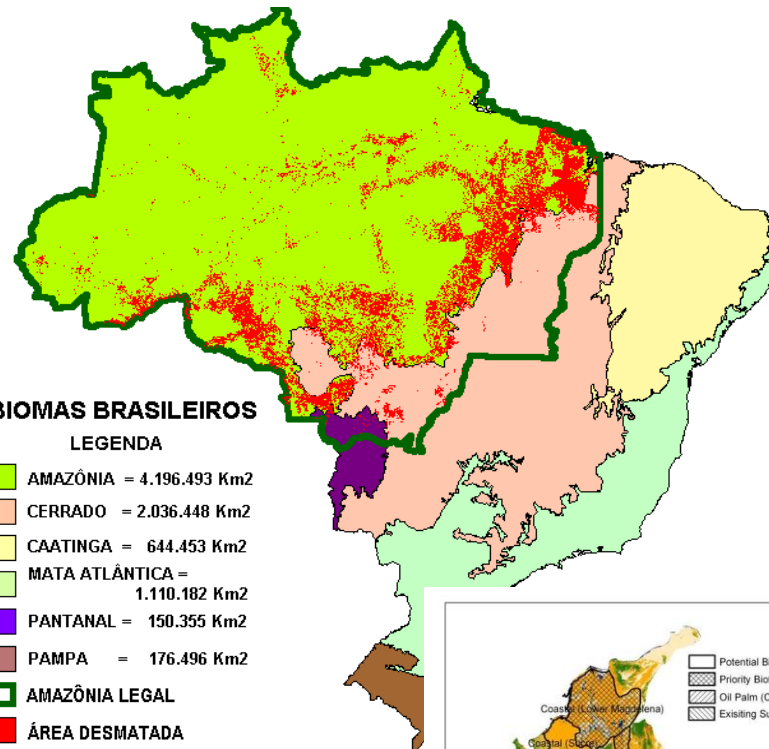
Colombia: Job creation



BIOMAS BRASILEIROS

LEGENDA

- AMAZÔNIA = 4.196.493 Km²
- CERRADO = 2.036.448 Km²
- CAATINGA = 644.453 Km²
- MATA ATLÂNTICA = 1.110.182 Km²
- PANTANAL = 150.355 Km²
- PAMPA = 176.496 Km²
- AMAZÔNIA LEGAL
- ÁREA DESMATADA





CI has been elected to represent the environmental NGO members to the Executive Board of the RSPO

For more information, please contact
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