

# LULUCF in a Post 2012 Climate Agreement



# Presentations

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- Overview of Post 2012 LULUCF workshop in May  
Bernhard Schlamadinger, Joanneum Research, Austria
- A broader view on LULUCF in developing countries  
Claudia Forner, CIFOR, Indonesia
- Factoring out of indirect and natural effects:  
challenges and opportunities  
Werner Kurz, Natural Resources Canada, Canadian Forest Service
- An Indonesian perspective on Compensated Reduction  
of Deforestation  
Daniel Murdiyarso, CIFOR, Indonesia
- Linking vs. de-linking of LULUCF with other sectors  
Maria J. Sanz, Fundación CEAM, Spain

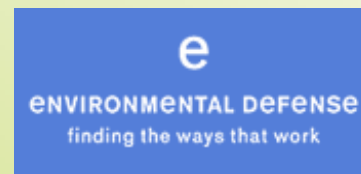
# Options for Including LULUCF Activities in a Post-2012 International Climate Agreement

Graz / Austria 5-6 May 2005

**Organized by:**



**With Additional Support from:**



# Four working groups

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1. Redesign of the current system (patchwork approach)
2. New options (all-lands approaches)
  - Full net-net
  - Full gross-net
  - Average carbon stocks
3. Compensated reduction and other ways to address D
4. De-Linking of LULUCF; Policies and Measures

# Climate related objectives of LULUCF activities (Convention Art. 2)

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- Protect reservoirs and reduce sources
- Enhance reservoirs, including wood products
- Substitute biomass products and fuels for other materials and energy sources
- Adapt to climate change

# Necessary features of strategies to meet climate objectives (I)

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- Promote participation by countries
  - Mobilise inward investment
  - Simplicity and practicality of monitoring and accounting system
  - Effects on countries' land-use sovereignty and ability to enhance SD (food, energy, water, biodiversity, desertification ...)
  - Equity, differentiation taking account of countries' circumstances

# Necessary features of strategies to meet climate objectives (II)

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- Completeness over time and space
  - Geographical coverage; cover all significant sources and sinks; avoid cherry picking (space)
  - Avoidance of leakage (space)
  - Coverage of non-permanence (time)
- Incentives for improvements within countries
  - Incentive at the margin of the reported C budget
  - Avoid windfall credits and emission loopholes through factoring out or other means

# Necessary features of strategies to meet climate objectives (III)

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## ■ Practicality

- Political acceptance
- Consistency with inventory guidance
- Continuity from current system
- Methodological consistency (avoid double counting etc.)

# Other considerations by participants

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- UNFCCC and future agreement: consistent definitions
- Address degradation, deforestation, devegetation ("fast out")
- LULUCF framework before setting targets (otherwise LULUCF seen as "cheap way out").
- Radical changes to LULUCF to be known soon, to inform development of national systems
- Continuity of CDM

# Option 1: Redesign current LULUCF system

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- AR: unchanged (since 1990 or other base year)
- Deforestation: net-net accounting
- Degrading activities: mandatory; Aggrading activities: voluntary
- FM voluntary; benchmark based on country specific choice, e.g. based on models. Benchmark subject to upfront international review
- *Degrading* FM activities: mandatory
- “Time out” for lands subject to natural disasters (but no accounting of regrowth)

# Advantages

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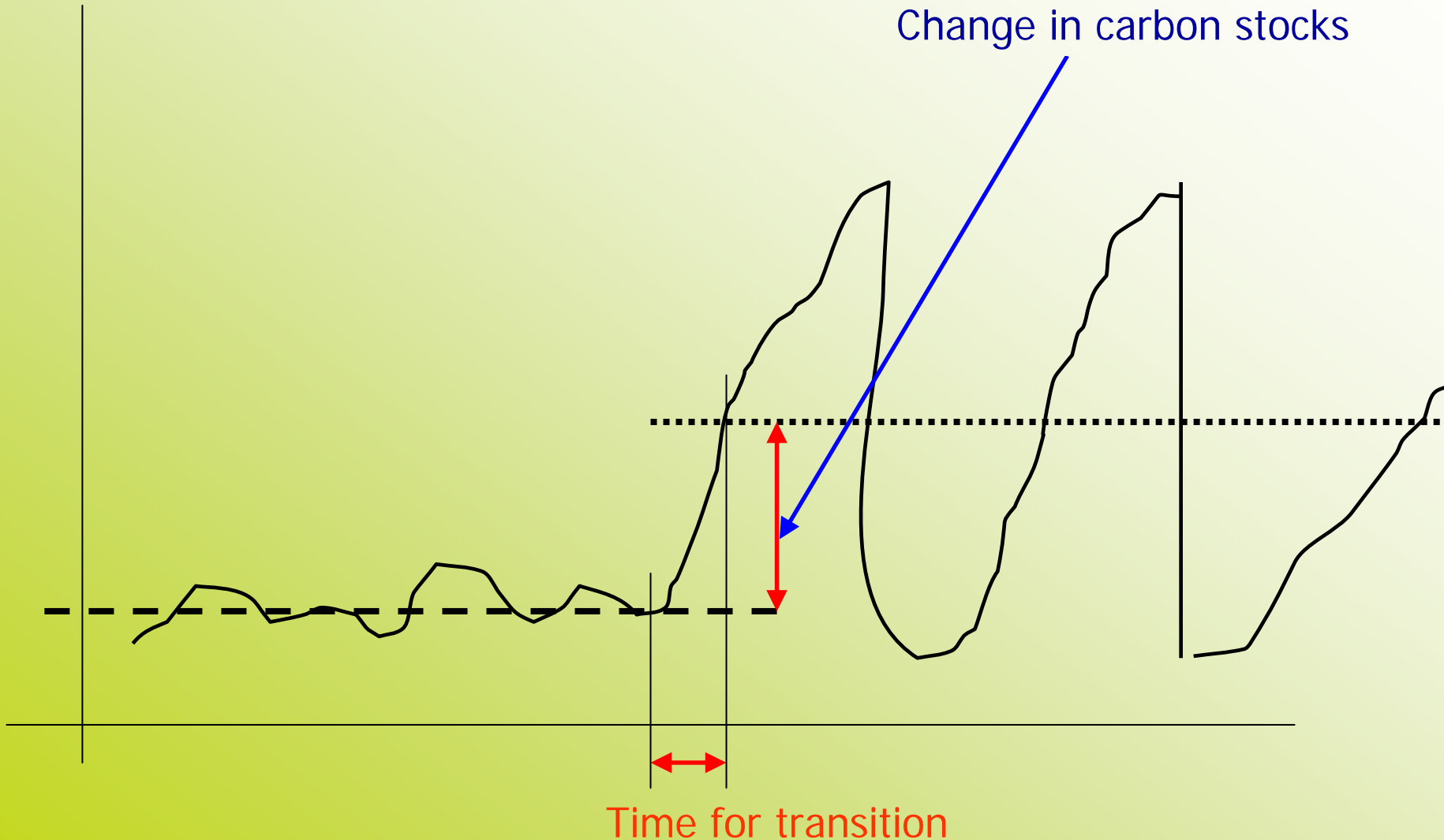
- Real incentives to improve
- Flexibility
- Equity
- Not cheating the atmosphere
- Logical development / enhancement of current system

## 2. “All lands” approaches

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- Net-net accounting of all managed lands
  - Helps factor out some indirect and natural effects,
  - avoids complexity of geo-referencing
  - Targets need to consider possible decline in sink strength
  - Base period
- Gross-net accounting of all managed lands
  - Adjustment of targets needed
- Average C stocks in different land-use categories

# Average carbon stocks (Kirschbaum et al.)



# Next steps

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- Special Issue  
Environmental Science and Policy: peer review finished by March 06, papers in press by July 60
  - 5 papers from workshop
  - Paper on “factoring out”
  - Paper on “Interaction with other MEAs”
  - 1-2 additional papers

# Next steps

- Follow-up workshop: **Methodological issues, policy options and mechanisms for avoiding deforestation:**  
Blumau / Austria  
10-12 May 2006

