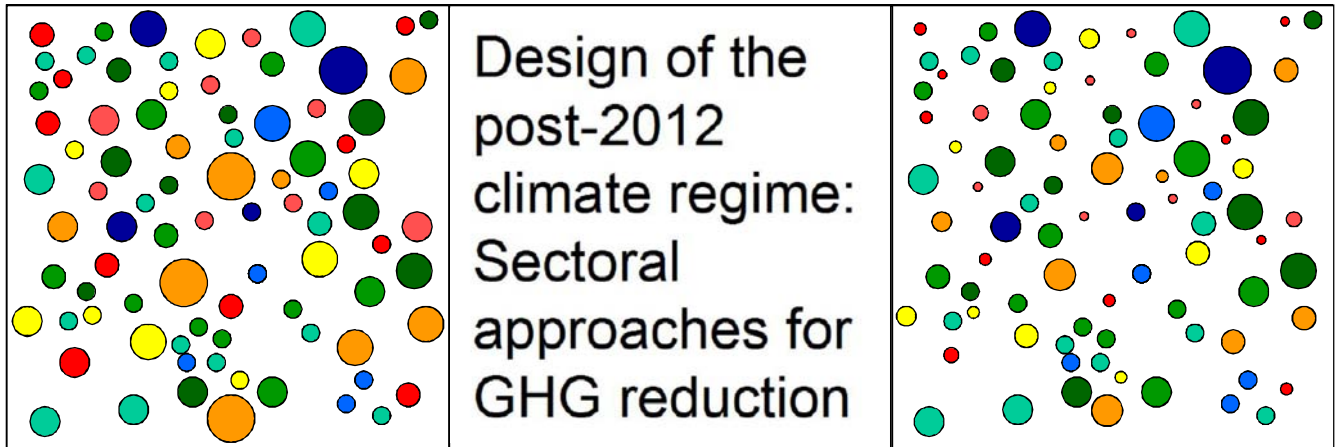




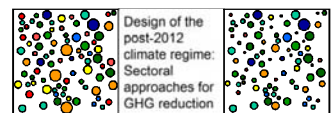
New market mechanism The implementation perspective

Top-down, Bottom-Up or In-Between –
What Future for the Carbon Market?

Side Event, COP 18/CMP 8, Doha, Qatar, 3 December 2012

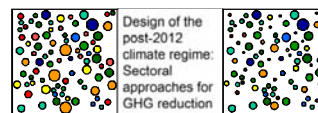
Dr. Martin Cames
Head Energy & Climate (Berlin)
Schicklerstr. 5-7, 10179 Berlin, Germany
Tel.: +49 (30) 40 50 85-383, Fax: -388
E-Mail: m.cames@oeko.de

Contents



- Terminologies
- Aims of the sectoral approach
- IET, NMM & CDM
- Governance
- Sector definition & coverage
- Summary & Conclusion

Terminological confusion



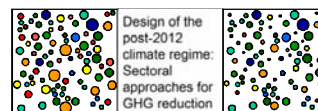
■ Mechanisms or mechanism?

- More than **one** sectoral mechanism at UNFCCC level?

UNFCCC	Sectoral mechanism								
Parties	Country 1			Country 2			Country 3		
	Sector 1	Sector 2	Sector 3	Sector 1	Sector 2	Sector 3	Sector 1	Sector 2	Sector 3
		Policy 1				Policy 2		Policy 2	
		Policy 2				Policy 3			

- Market-based domestic **policies** (PMR) rather than mechanisms
- **Involvement of the private sector**
 - Not necessarily/constitutive though preferable to leverage private carbon market finance
 - Prerogative of the implementing country

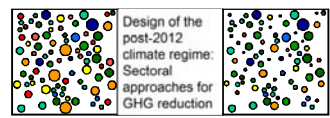
Aims of the sectoral approach



- **Overcome the flaws of project-based mechanisms**
 - High transaction costs
 - Lack of environmental integrity
 - Limits in addressing all kinds of mitigation measures
- **Enhance the coverage of global carbon market to allow for an increased the level of ambition**
- **Provide the flexibility which is required to take more ambitious targets**
- **Reduce distortion of competitiveness due to carbon leakage**
- **Allow a **gradual transition** from non-Annex I to Annex I**
- **Dissolve the **bipolar** world of the Convention and the Kyoto Protocol**
 - Own contributions beyond pure offsetting
 - Graduation through level of ambition
 - Graduation through **coverage** or **type of commitment** (binding/no lose)

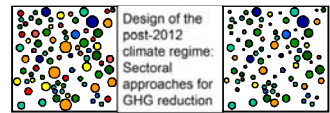
Country 1	Country 2	Country 3	Country 4			NMM				Non-Annex I			
				Country 5	Country 6	Country 7	Country 8	Country 9	Country 10	Country 11	Country 12	Country 13	Country 14

NMM versus CDM



- Cover all activities or installations within a certain sector boundary
- Enhance the portfolio of technical mitigations measures
 - Efficiency, fuel switch, end-of-the-pipe
 - Closure & greenfield investments
- Increase the mitigation potential
- Increase environmental integrity by reducing the risk of leakage
- Reduce transaction costs because the determination of a baseline only has to be carried out once
- Mitigation activities would only be initiated at activities with the worst emission performance although all activities will be covered

Differences & similarities



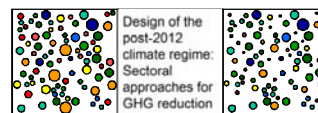
Issue	IET	NMM	CDM
Coverage	Economy wide	All activities in selected sectors	Selected activities
Monitoring	Inventory	Sectoral inventory	Project
Verification	ERT	IRT	DOE
Economic responsibility	Government	Government	Private entities
Type of commitment	Binding	Binding/no lose	No lose
Type of units	Allowances	Allowances/credits	Credits
Baselines	BAU scenarios	Sectoral BAU scenarios	Hist. emiss., benchm., etc.
Thresholds/targets	Absolute	Absolute/indexed	Indexed
Development	Ex-ante/top-down	Learning by doing/bottom-up	Learning by doing/bottom-up
Purpose	Emission reduction (ER)	Offsetting & ER	Offsetting

- **International coordination**
 - Central ↔ decentral?
 - Top-down ↔ bottom-up
 - Direct ↔ indirect
 - Explicit ↔ implicit
- **Implicit coordination**
 - Seems to cause less red tape
 - Causes concerns that something should be hidden, i.e. weaker environmental integrity
 - May cause a race to the bottom in terms of environmental integrity
 - May actually increase transaction costs since every country would need to assess the environmental integrity of every participating country

Gradual linking

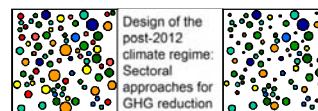
- **Without sufficient international rules which ensure environmental integrity countries would have to assess the integrity of other countries GHG mitigation policies before recognising its units**
- **Club approach: to ensure environmental integrity, countries would need to agree to recognise further countries only at mutual consent**
 - Country A and B agreed to mutually recognise units
 - Country A may recognise units of country C only if country B agrees
 - Country C may recognise units of country D only if countries A & B agree, etc.
 - Similar to other international accession rules (WTO, EU, etc.)
- **May result in fragmented markets (two or more clubs)**
- **Units with different qualities may not be fungible**
- **Gradual reduction of fragmentation would take time**

Sector definition



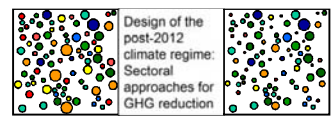
GREENHOUSE GAS SOURCE AND SINK CATEGORIES	
Total (Net Emissions)⁽¹⁾	
1. Energy	E. Prescribed Burning of Savannas
A. Fuel Combustion (Sectoral Approach)	F. Field Burning of Agricultural Residues
1. Energy Industries	G. Other
2. Manufacturing Industries and Construction	5. Land Use, Land-Use Change and Forestry⁽¹⁾
3. Transport	A. Forest Land
4. Other Sectors	B. Cropland
5. Other	C. Grassland
B. Fugitive Emissions from Fuels	D. Wetlands
1. Solid Fuels	E. Settlements
2. Oil and Natural Gas	F. Other Land
2. Industrial Processes	G. Other
A. Mineral Products	6. Waste
B. Chemical Industry	A. Solid Waste Disposal on Land
C. Metal Production	B. Waste-water Handling
D. Other Production	C. Waste Incineration
E. Production of Halocarbons and SF ₆	D. Other
F. Consumption of Halocarbons and SF ₆ ⁽²⁾	7. Other (as specified in Summary 1.A)
G. Other	
3. Solvent and Other Product Use	Memo Items: ⁽⁴⁾
4. Agriculture	International Bunkers
A. Enteric Fermentation	Aviation
B. Manure Management	Marine
C. Rice Cultivation	Multilateral Operations
D. Agricultural Soils ⁽³⁾	CO ₂ Emissions from Biomass

Coverage

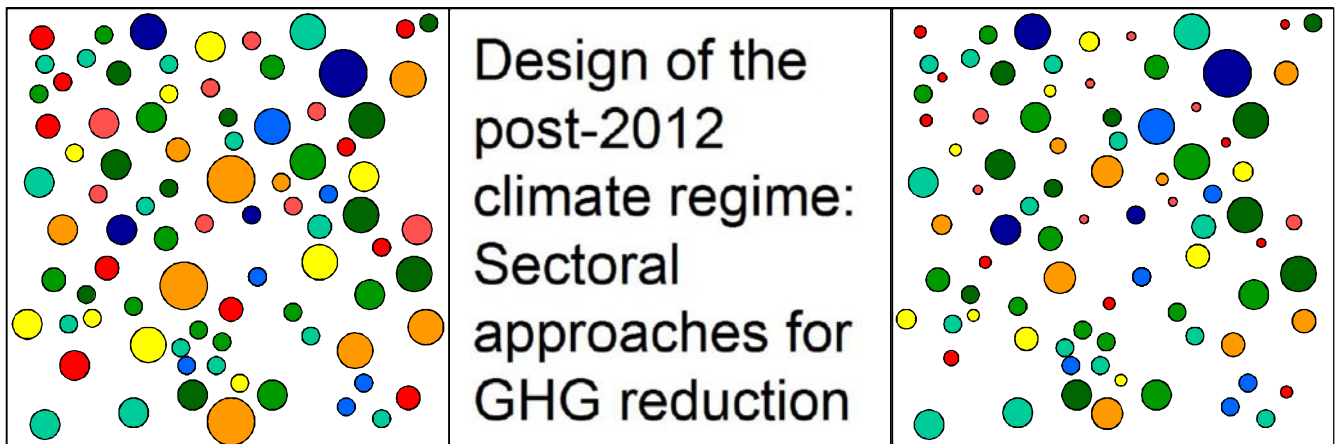


- **Sector definition**
 - IPCC 2006 guidelines as default
 - Deviations possible if justified
 - Domestic regulation may only address a (substantial) share of the sector, category or sub-category (IPCC 2006 GL)
 - De minimis provisions are not required
- **Monitoring, reporting & review (MRR)**
 - Monitoring: implementing country
 - Reporting: implementing country
 - Review: Independent Review Team (IRT)

Summary & Conclusions



- Still a lot of confusion and differences in understanding of terminology and concepts
- Domestic market-based policies and an international coordination mechanism need to be clearly distinguished
- NMM is closer to IET than to CDM
- **Governance**
 - Global carbon markets: international coordination required
 - Global climate policy: unilateral action possible
- **Modalities & procedures**
 - Several details still need be agreed
 - Sector definition
 - Baseline & threshold determination
 - Etc.
 - Solutions available based on 10 years of experiences with international carbon markets



Thanks for your attention!

Öko-Institut e.V.
Schicklerstr. 5-7
10179 Berlin
Germany
Tel.: +49 (30) 40 50 85-80
Fax: +49 (30) 40 50 85-88
<http://www.oeko.de>

Perspectives GmbH
Fenglerstrasse 9a
22041 Hamburg
Germany
Tel.: +49 (40) 399 99 069-1
Fax: +49 (40) 39 99 90 69-8
<http://www.perspectives.cc>

IPZ Institut für Politikwissenschaften
Universität Zürich
Affolternstrasse 56
8050 Zürich
Switzerland
Tel.: +41 (44) 634-38 41
Fax: +41 (44) 634-49 25
<http://www.ipz.uzh.ch>