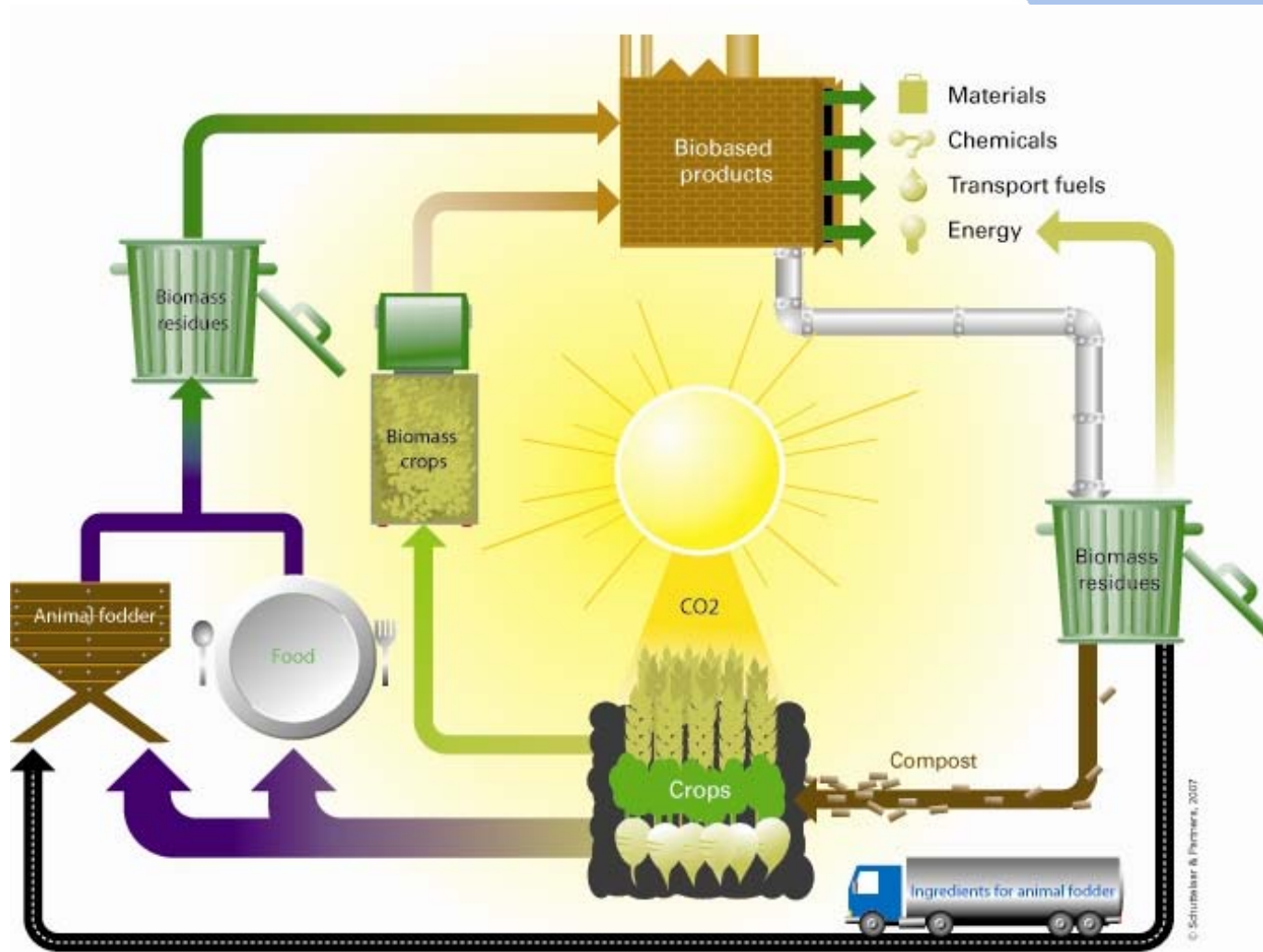




**Sustainable Biofuel Production in Developing Countries.
A win-win opportunity?**

Kees Kwant
Senior Expert Bioenergy

Biobased Economy



Sustainable Biomass Standards: Cramer: Principles, Criteria and Indicators:

- Greenhouse gas balance
- Competition with food, local energy supply, medicines and construction materials
- Biodiversity
- Prosperity
- Welfare
- Environment



Implementation: Cramer criteria vs Renewable Energy Directive

Cramer / NTA 8080

1. GHG-balance/ C-stocks
2. Competition with food
3. Biodiversity
4. Environment
5. Prosperity
6. Well-being



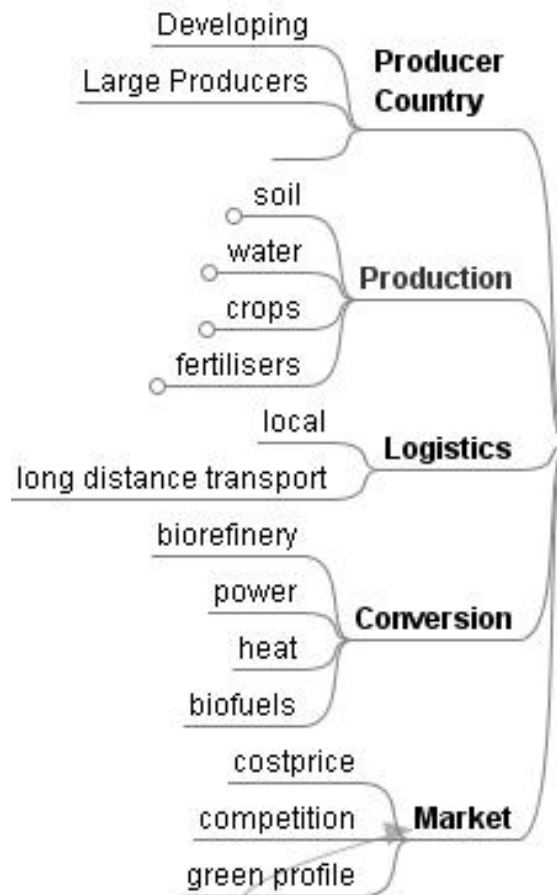
EC Directive

- Yes (> 35%)
- Reporting
- Yes (No-go areas)
- Within Europe
- Reporting
- Reporting

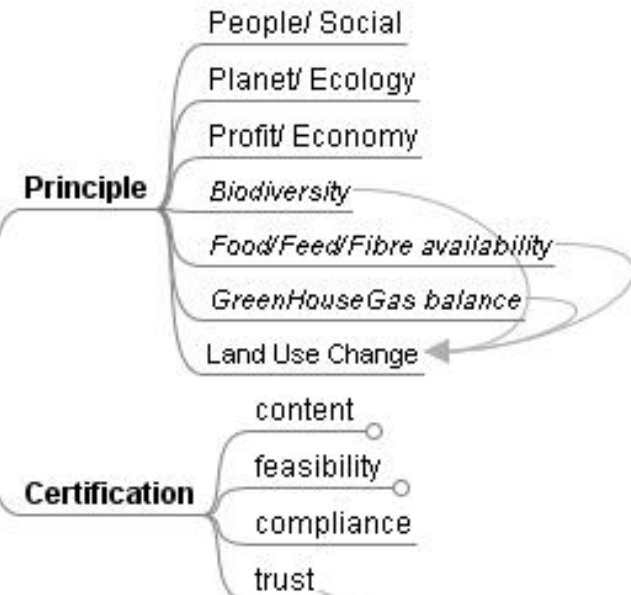


In a complex biomass world need for trust

Biomass Chain



Assessment



Financial Support from the Netherlands for: Pilots and Sustainable Import

- Ministry of Foreign Affairs/ Ministry of Agriculture/Economy
- Goal of financial support:
 - Attain sustainable production
 - Knowledge transfer and capacity building
 - Avoid negative indirect effects (macro monitoring)
 - Certification of sustainable trade chains
- Supporting Program
 - Build up knowledge for improving policies of biomass and biofuel use and support

Certified Sustainable Biomass

	Sustainable Biomass Mondial	Sustainable Biomass Import
Goal	Support Developing Countries in sustainable biomass production for energy to obtain access to worldmarket.	Support the increase of sustainable biomass for energy in major producing countries to the Netherlands
Subsidy Budget	12.5 M€	7.5 M
Supporting program	2.75 M€	1.5 M€
1st tender	< 25 may 09; 4.7 M€	< 15 oct 09; 4 M€
2nd tender	12 Jan 10; 7.7 M€	Spring 2010; 3.5 M€
Focus countries	Indonesia, Vietnam, Colombia, Nicaragua, Mali, Tanzania, Mozambique en Zuid-Afrika	Canada, Brasil, Ukraine, Baltic States, Rusland,

+ Biomass Projects in Daey Ouwens fund

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http://www.senternovem.nl/globalsustainablebiomass/index.asp

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Global Sustainable Biomass

Subsidy for sustainable biomass projects in developing countries.

Entrepreneur, non-governmental organisation, knowledge institution or local authority. At least one relevant partner from a developing country (an ODA country) must be actively involved in each proposal.

The Global Sustainable Biomass Fund supports developing countries in making their biomass production for energy uses sustainable. It thus enables them to access the local or international market of sustainable biomass for energy uses. The most important target group are all countries qualifying for Official Development Assistance (ODA), but the focus of this first tender lies on Mozambique, Indonesia, Mali, South Africa, Tanzania, Ethiopia, Vietnam, Nicaragua and Colombia. These countries therefore take precedence over projects in other ODA-countries.

The second application period is published at 15 October in the [Government Gazette](#). There are some considerable differences between the first and the second application period.

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News

- 11-11-2009 [Corbey Committee Presents First Recommendations](#)
- 15-10-2009 [Opening second tender Global Sustainable Biomass Fund](#)
- 10-09-2009 [Ten projects approved, set for implementation](#)

Download Brochure Global Sustainable Biomass Fund [Pdf, 602 kB]

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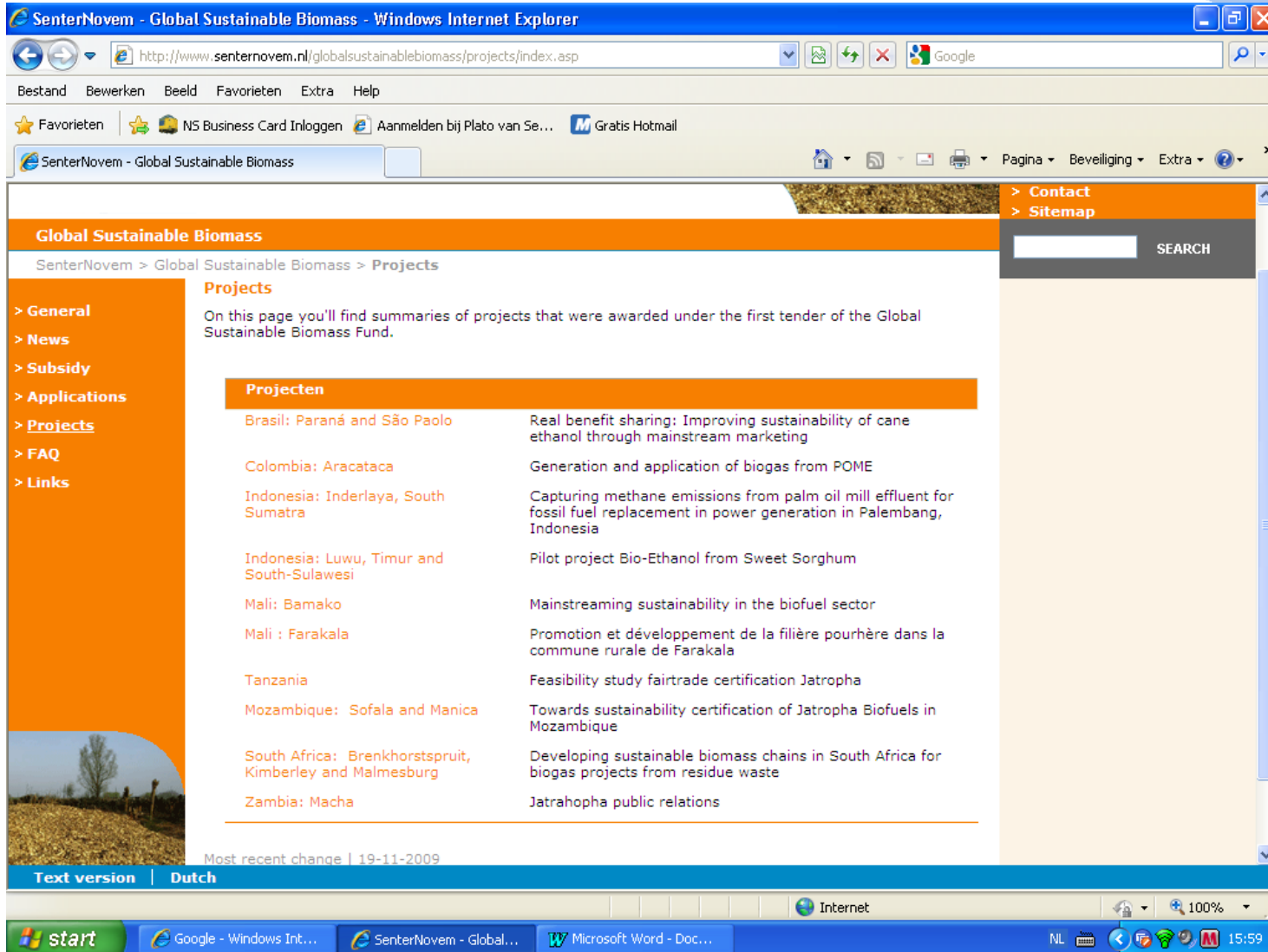
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Projects funded



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Projects

On this page you'll find summaries of projects that were awarded under the first tender of the Global Sustainable Biomass Fund.

Projecten	
Brasil: Paraná and São Paolo	Real benefit sharing: Improving sustainability of cane ethanol through mainstream marketing
Colombia: Aracataca	Generation and application of biogas from POME
Indonesia: Inderlaya, South Sumatra	Capturing methane emissions from palm oil mill effluent for fossil fuel replacement in power generation in Palembang, Indonesia
Indonesia: Luwu, Timur and South-Sulawesi	Pilot project Bio-Ethanol from Sweet Sorghum
Mali: Bamako	Mainstreaming sustainability in the biofuel sector
Mali : Farakala	Promotion et développement de la filière pourhère dans la commune rurale de Farakala
Tanzania	Feasibility study fairtrade certification Jatropha
Mozambique: Sofala and Manica	Towards sustainability certification of Jatropha Biofuels in Mozambique
South Africa: Brenkhorstspuit, Kimberley and Malmesburg	Developing sustainable biomass chains in South Africa for biogas projects from residue waste
Zambia: Macha	Jatrahopha public relations

Most recent change | 19-11-2009

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Projects in Africa

Number DBM	country	crop	organisation	goal
01005	Mali	all	Folk centre, Fact/WIP	Local criteria and certification
01002	Mali	Jatropha	GRAT, Neant	Capacity building, seed distribution, for 110 ha
01013	Mozambique	Jatropha	Alliance e.o.	Assessment of sustainability criteria, capacity building
01018	Tanzania	Jatropha	Max Havelaar, eo	Fair trade production and certification and capacity building
01017	Zambia	Jatropha	Macha	Self sustained energy energy supply
01012	S. Africa	wastes	Bio2Watt	Biogas from wastes

Conclusion

- Only by careful design a win-win solution possible
- Piloting and Governance go hand in hand
- Netherlands willing to support this development

Thank You for your attention

- For information:
- k.kwant@senternovem.nl

