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atmosfair CDM Gold Standard projects in Africa

Examples from Nigeria and Burkina Faso

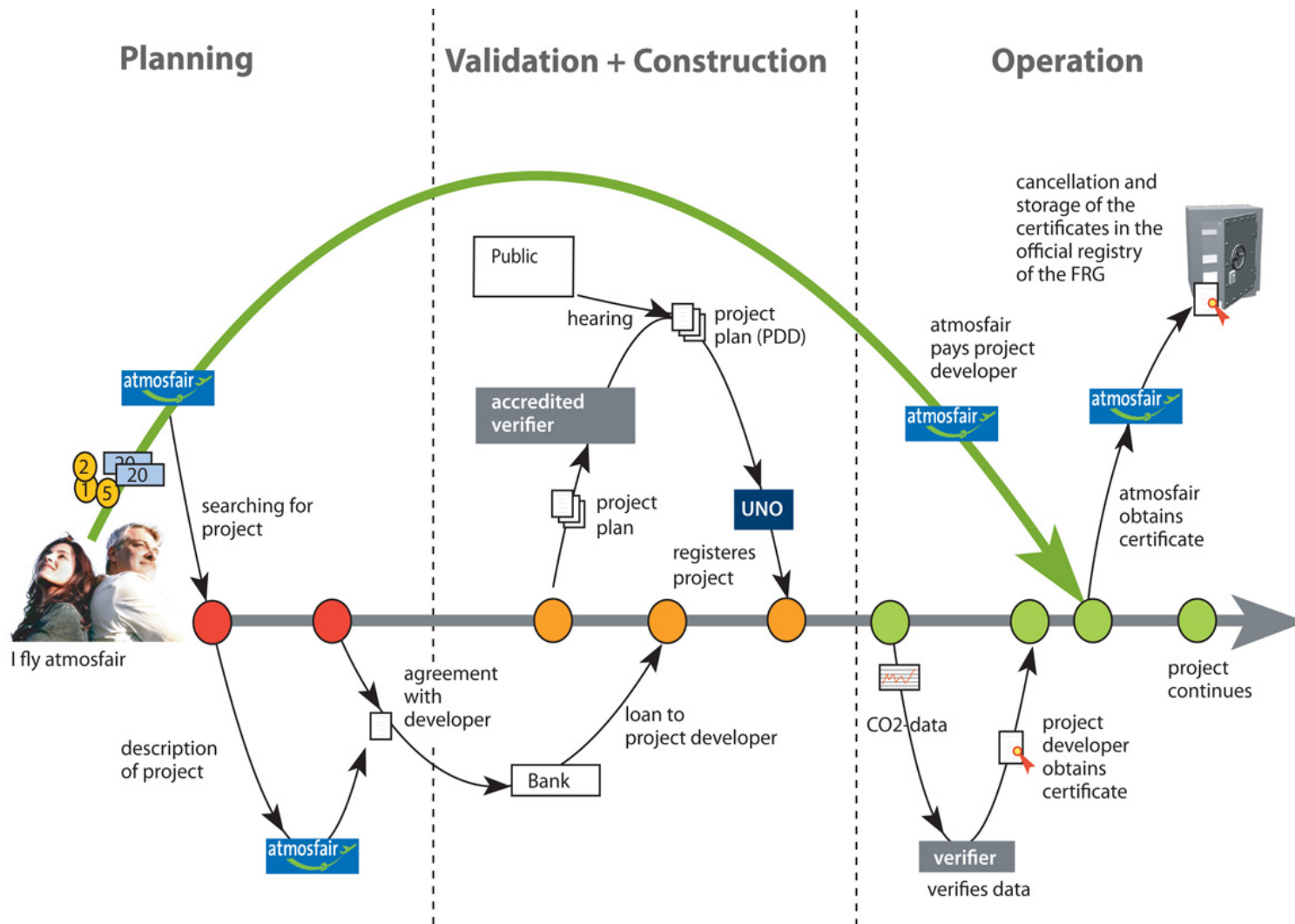
atmosfair gGmbH, 09.06.2009

Atmosfair gGmbH

- Non profit organisation (gGmbH), founded in 2005, Patron: Klaus Töpfer (former Executive Director of the United Nations Environment Programme)
- Climate contributions from air passengers (individuals, companies, NGOs, public institutions) are used to initiate and fund CDM Gold Standard projects
- Certified Emission Reductions generated in the projects are retired on behalf of the donators
- Renewable Energy and Energy Efficiency Projects in Asia, Latin America and Africa
- Projects meet the highest environmental, social and climate protection standards → **Gold Standard** (Sustainability label for CDM projects)



CDM Project Cycle



atmosfair Project Funding

- Only Renewable Energy or Energy Efficiency Projects
- Funding of small projects - minimum 5 000 CERs per year
- Premium CER Prices
- Long-term contracts post 2012
- Advance Payments up to 50% of total payments
- Only one CDM Project Developer and CER buyer
- CDM-Services by atmosfair (PDD Development rtc.) part of package
- Development as CDM Gold Standard: highest quality and prices

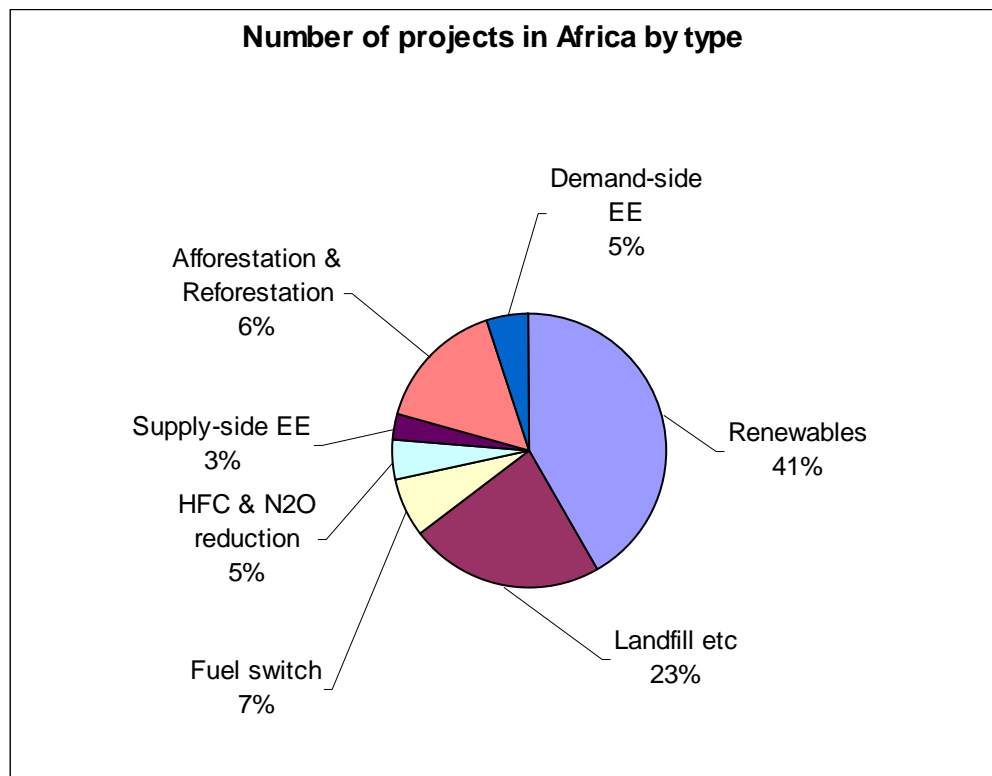
Challenges for CDM in Africa

- Few large industries => no large emissions to reduce => small project size
- Low grid emission factors (high share of renewables...)
- Lack of knowledge about CDM
- Risk perception of investors and financing institutions
- Institutional and capacity constraints (DNAs)
- Diversion of ODA

CDM pipeline Africa

Africa	Number	kCER2012	
South Africa	27	19573	24,5%
Egypt	12	16272	20,4%
Uganda	10	1230	1,5%
Morocco	10	2599	3,3%
Kenya	14	2914	3,7%
Nigeria	6	26983	33,8%
Tanzania	5	2062	2,6%
Congo DR	1	543	0,7%
Mali	2	281	0,4%
Tunisia	2	4125	5,2%
Ivory Coast	1	313	0,4%
Senegal	1	319	0,4%
Mozambique	1	228	0,3%
Madagascar	1	210	0,3%
Zambia	1	588	0,7%
Ethiopia	1	181	0,2%
Swaziland	1	252	0,3%
Rwanda	1	74	0,1%
Cameroon	1	460	0,6%
Liberia	1	215	0,3%
Cape Verde	1	340	0,4%
Mauritius	0	0	0,0%
Equatorial Guinea	0	0	0,0%
Total	100	79762	100,0%

Projects rejected by DOEs or EB or withdrawn are not included



Source: cdmpipeline.org (01-06-09)

CDM Programme of Activities (PoA) – Opportunities for Africa?

Objectives

- Overcome the barriers for demand-side energy efficiency projects, microprojects, geographically: LDCs
- Foster projects with large potential for emission reductions at low costs and high sustainable development benefits!
- Reduce transaction costs

Rules

- CDM programme activities (CPAs) can be added to a programme, with 10yrs or 3x7yrs crediting period for the CPA (maximum 28 yrs)
- Small-scale limits apply to the CPA, not to the PoA
- Facilitated registration of CPAs (validation of PoA, only consistency check by DOE)

Efficient Fuel Wood Stoves in Nigeria



Project Partner	DARE (NGO from Nigeria) LHL (German NGO)
Target Group	12.500 Households in the North of Nigeria
Technology	SAVE80, 80% Fuel Wood Savings
CO ₂ -Reduction	30.000t CO ₂ /a, average over ten years
Local Benefits	Reducing Indoor Pollution, Combating Deforestation, less expenses for household energy
Current State	Implementation, CDM Gold Standard Validation

Biomass Gasification in Burkina Faso



Project Partner

Municipalities Pô and Garango, Burkina Faso

German Ministry of Environment

Target Group

Rural Population

Technology

Biomass Gasification

CO₂-Reduction

up to 5 000 t CO₂/a, average over ten years

Local Benefits

More reliable electricity supply, additional income for farmers,
South- South Transfer

Current State

Planning

Thank you very much for your attention!

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