



Clean Development Mechanism (CDM) Workshop

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EuroMedITI and CDM

- CDM identified as a potential EuroMedITI project in February 2006
- Wasteserv's Zvejra Landfill Gas Capture Project established as a case study for CDM in Malta in April 2006
- NCP established in October 2006 and the DNA soon afterwards
- Support to Wasteserv to implement the project as a CDM project



EuroMedITI and CDM

EuroMedITI established the CDM Working Group in February 2007 to:

- Identify obstacles in the implementation of CDM projects in Malta
- Increase awareness on CDM in Malta (in the public and private sectors)
- Identify and initiate CDM projects
- Build the human capacity for implementing CDM projects in the Mediterranean region



EuroMedITI and CDM

CDM Working Group is made up from representatives of:

- EuroMedITI Ltd.
- Malta Council for Science & Technology
- Malta Enterprise
- Malta Environment and Planning Authority
- Ministry for Rural Affairs and Environment





Identifying potential CDM Projects in Malta

- comparison by 'popularity'
- comparison by size of project

Project Type		Project Type	
No. of Projects		Sorted by CERS/project	
Biomass Energy	331	HFCs	4591706
Hydro	253	N2O	1915846
Wind	183	Fugitive	1250429
EE Industry	161	Coal Bed/mine methane	625667
Agriculture	158	Tidal	315000
Landfill gas	107	Fossil Fuel Switch	313328
Biogas	79	Landfill gas	222682
Fossil Fuel Switch	58	Geothermal	221750
Cement	29	Transport	126500
Coal Bed/mine methane	21	Reforestation	107000
HFCs	17	Cement	102241
EE Supply Side	13	EE Industry	98689
N2O	13	Wind	86049
EE Service	10	PFCs	86000
Geothermal	8	Hydro	71597
Fugitive	7	Biomass Energy	57299
Solar	7	EE Supply Side	49923
EE Households	4	Biogas	43101
Reforestation	4	Agriculture	34013
Transport	2	Solar	26429
Energy Distribution	1	EE Households	21750
PFCs	1	Energy Distribution	15000
Tidal	1	EE Service	5900
		Afforestation	0



Potential CDM Projects

Offshore Wind Farm

- Generation capacity: 10% of Malta's electricity (approx. 200,000 MWh/y)
- Approx. 8% reduction in Malta's CO2 emissions
- No. of CERs: 170,000/year
- Potential Revenue after 10 years: € 17m
- Additional Revenue: € 0.85c/kWh



Potential CDM Projects

Domestic Solar Water Heating

- Target: 70,000 households (50% of total)
- Assume 4 kWh/day of electricity saved per solar water heater
- Electricity savings: 106,000 MWh/y (approx. 5% in national electricity savings)
- Credits generated: 90,000 CERs/year
- Potential revenue after 10 years: € 9m
- €124 (LM 54) incentive per solar water heater



Potential CDM Projects

Energy Saving Measures - Desalination Plants

- Plan to reduce specific energy consumption from 5 kWh/m³ to 3 kWh/m³
- Electricity savings of 40,000 MWh/y
- Credits generated : 34,000 CERs/y
- Potential Revenue after 10 years: € 3.4m



Potential CDM Projects

Agricultural Waste Treatment – Biogas

- Methane generation and capture: 7,800 t CH₄/y
- CO₂ equivalent : 164,000t/y
- Revenue from CERs after 10 years: € 16.4m
- Additionally, 24,000 MWh of electricity generated from a renewable source (1.2% of Malta's electricity generation)



Thank you for your attention