
CDM OPPORTUNITIES IN MACEDONIA



Leipzig

14-16 October, 2007

Kyoto Protocol in the Republic of Macedonia

- In 1998 Republic of Macedonia became a party to the UN Convention on Climate Change
- In January 2000, the Climate Change Project Office was set up within the Ministry of Environment and Physical Planning
- In March 2003, Republic of Macedonia adopted the First National Communication on Climate Change
- In 2004 Republic of Macedonia ratified the Kyoto Protocol to the UNFCCC and became party in 2005
- In 2007 Macedonian Government adopted the National Strategy for Clean Development Mechanism, 2008-2012



Bilateral cooperation

- **AUGUST 2005** - signed the Memorandum of Understanding between the Ministry for Environment, Land and Sea of Republic of Italy and the Ministry of Environment and Physical Planning of Republic of Macedonia
- The MoU enhance bilateral co-operation in the field of environment and sustainable development on the basis of equality, reciprocity and mutual benefit
- **JANUARY 2006** - in accordance with the MoU, the Joint Office in Skopje is opened
- **DECEMBER 2006** - Annex I to the MoU is signed and expands the cooperation on the preparation of feasibility studies and PDDs for potential CDM projects in Republic of Macedonia



Joint Office in Skopje

Mission:

- To assist national Ministry of Environment and Physical Planning in establishing the Designated National Authority for the CDM
- To create knowledge on local level for the identification and selection of CDM projects and CDM portfolio
- To continue to support the Designated National Authority in legal and technical terms and to continue the scouting activities

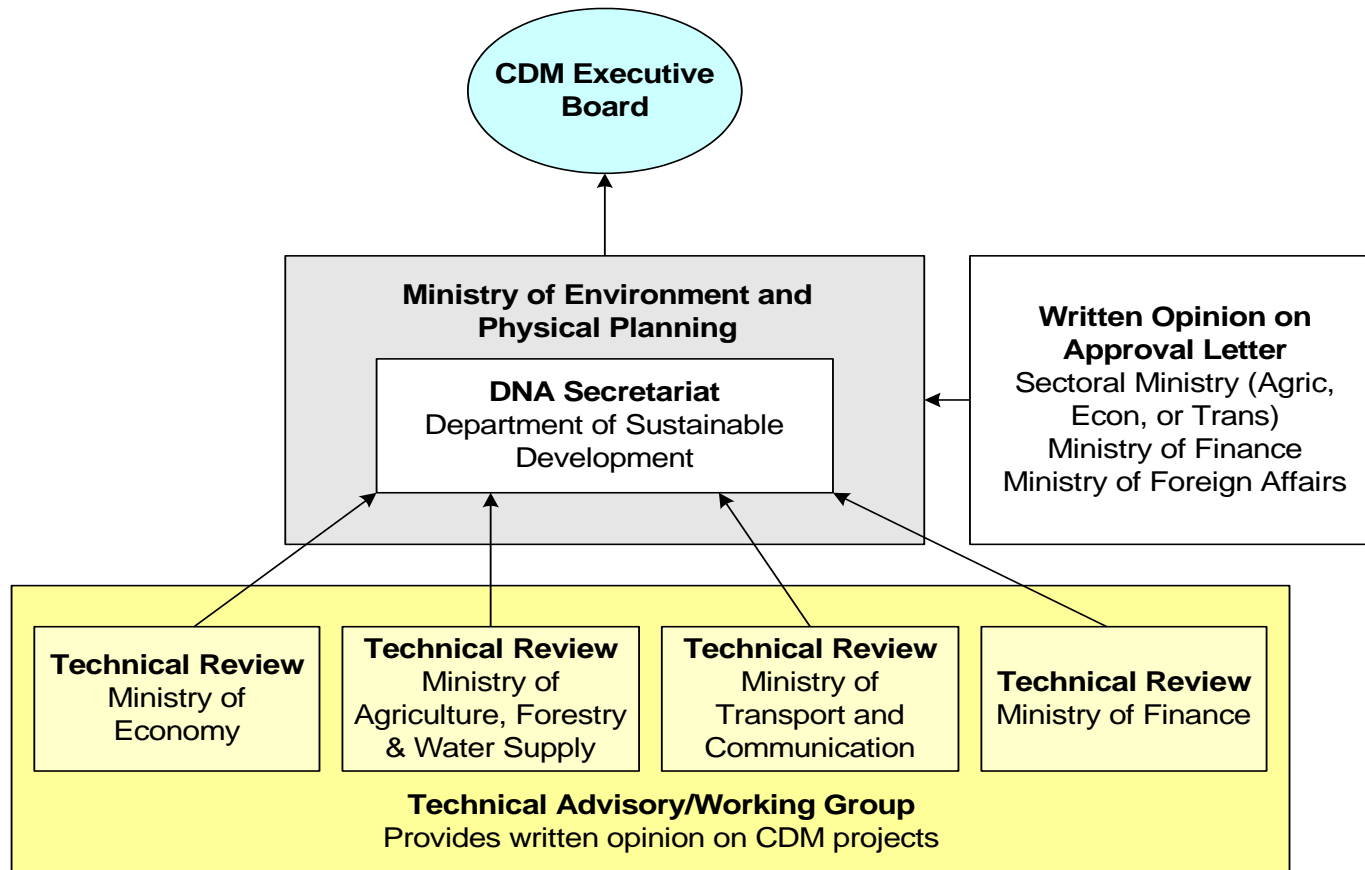


DNA in Republic of Macedonia

- With the changes of the Law on Environment in March 2007, and in accordance with the 1st of June 2006 Governmental decision, the Designated National Authority has been established
- Macedonia's DNA is located within the Ministry of Environment and Physical Planning, according to a "Single Ministry Model"
- The DNA is the authorised body that can issue Letter of Approval for the Project Design Document

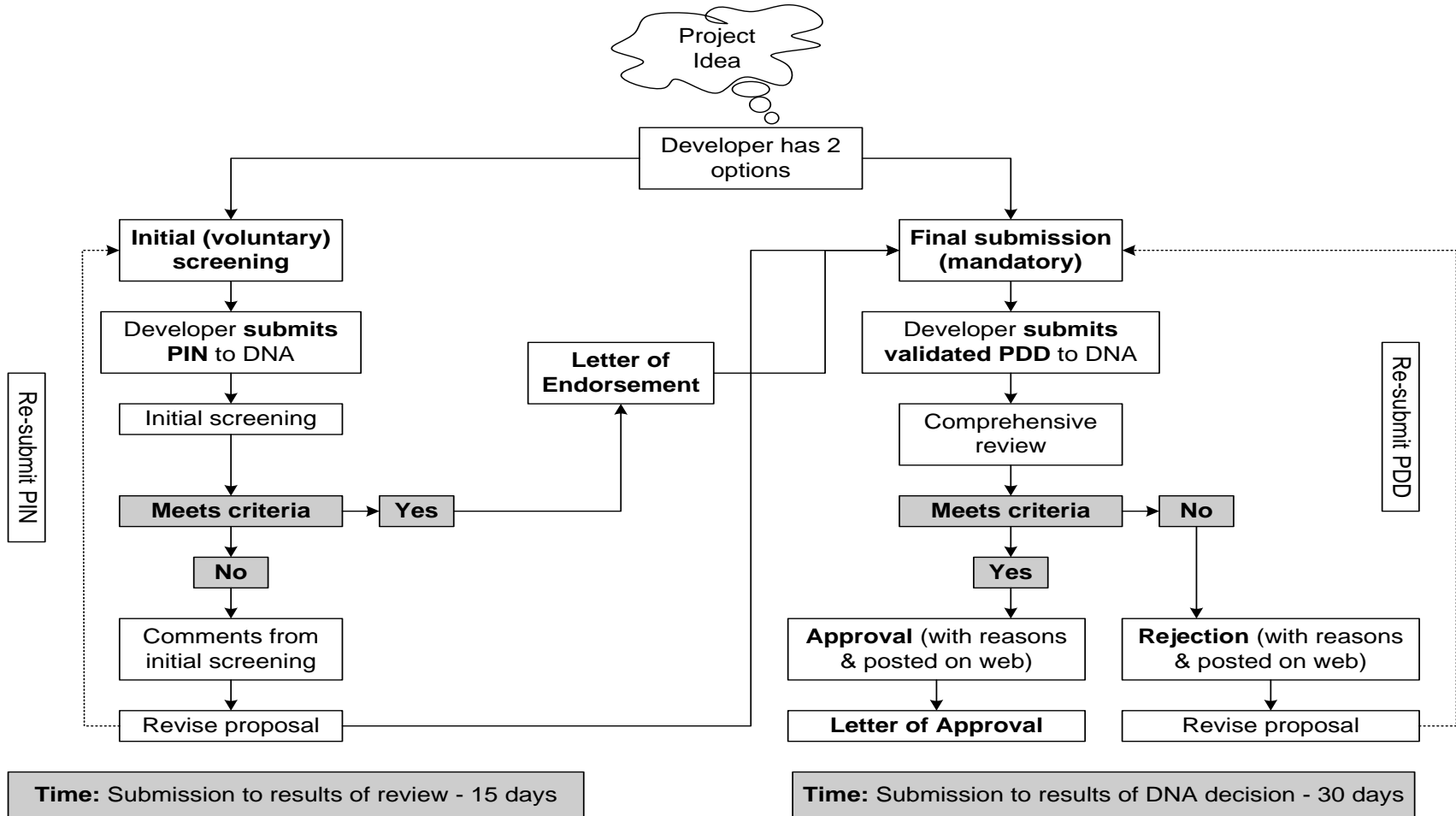


Single Ministry Model of the DNA



DNA Approval Procedure

CDM Project Approval Procedure



DNA Approval Procedure - Timeframe

Step	Time-frame	Voluntarily/ Mandatory
Step I: Initial Screening and Endorsement of the Project Idea Note (PIN)	15 working days	Voluntarily
- Review of the PIN	10	
- Issuance of Letter of Endorsement	5	
Step II: Final Review and Approval/Rejection of the Project Design Document (PDD)	30 working days	Mandatory
- Initial Screening of PDD	2	
- Review by Technical Advisory Group	10	
- Technical Review Summary and Recommendation to the Minister of MoEPP	4	
- Decision by the Minister of the MoEPP	2	
- Draft Letter of Approval	3	
- Inter-ministerial Review of Approval/Rejection Letter	5	
- Final Approval/Rejection Letter	4	



Contracts with Local Project Owners

- On 9th of March 07, the Ministry of Environment and Physical Planning signed the Order Contracts with the Local Project Owners
- The Local Project Owners gave authorisation to the Ministry to present the potential CDM projects and to find Italian or Italo-Macedonian companies that will develop feasibility studies and/or PDDs for the projects



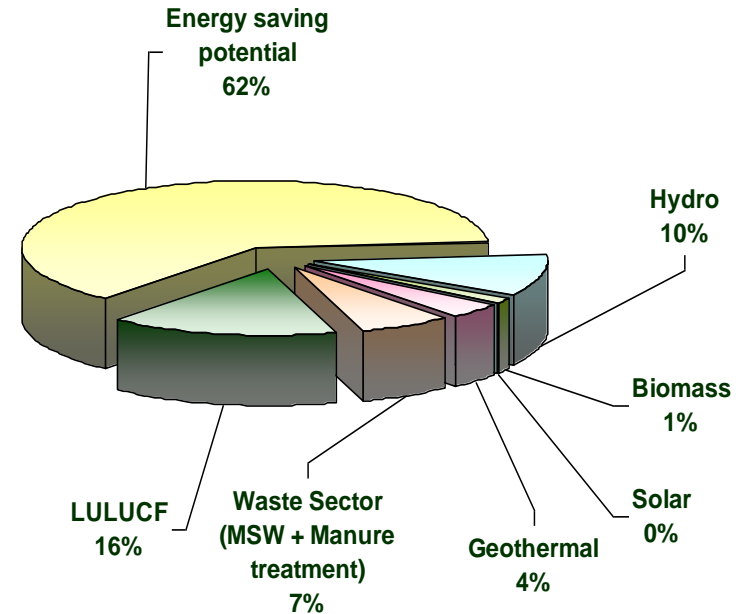
Local Project Owners

- On 3rd of June in Skopje - Capacity building workshop on
CDM PROJECT: FUNDAMENTALS AND PROJECT DEVELOPMENT
will be done for the Local Project Owners
- After preparation of the feasibility studies and/or the PDDs, the Local Project Owner will negotiate the terms of implementation of the project with the selected company



Carbon credits potential (general)

Sector type	CER [tCO ₂ /year]
Energy Sector	2 500
Renewable Energy	600
Waste Sector (MSW + Manure treatment)	260
LULUCF	630
<u>TOTAL</u>	4 000



CDM project opportunities

No	Project title
Waste Sector (MSW + Manure treatment)	
1.	“DRISLA” DUMP SITE
2.	“KRASTA” DUMP SITE
3.	“MEGLENCI” DUMP SITE
4.	“ŠAPKAR“ DUMP SITE
5.	BUNDLING OF STIP, KOCANI AND VINICA DUMP SITE
6.	“EDINSTVO” TETOVO
7.	“ŽITO VARDAR“ - VELES
8.	„AGRIA GROUP“ DOO VELES
Renewable Energy	
9.	WIND PROJECT “SVETI NIKOLA”
10.	BIOMASS TO ENERGY
11.	GEO THERMAL DISTRICT HEATING SCHEME “BANSKO”
Energy efficiency and fuel switch	
12.	ENERGY EFFICIENCY IMPROVEMENTS IN CLINICAL CENTRE IN SKOPJE
13.	ENERGY EFFICIENCY IN STREET LIGHTING
14.	FUEL SWITCH FROM RESIDUAL FUEL OIL TO NATURAL GAS IN HEATING PLANT “ZAPAD”
LULUCF	
15.	AFFORESTATION IN THE REGION OF CENTRAL MACEDONIA



CDM project opportunities

No	Project title
Waste Sector (MSW + Manure treatment)	
1.	“DRISLA” DUMP SITE - LFG RECOVERY AND FLARING
2.	“KRASTA” DUMP SITE - LFG RECOVERY AND FLARING
3.	“MEGLENCI” DUMP SITE - LFG RECOVERY AND FLARING
4.	“ŠAPKAR“ DUMP SITE - LFG RECOVERY AND FLARING
5.	BUNDLING OF STIP, KOCANI AND VINICA DUMP SITES - GHG REDUCTION THROUGH GAS CAPTURE AND FLARING
Animal Waste Management Systems - Manure Treatment	
6.	“EDINSTVO” TETOVO - AWMS METHANE RECOVERY
7.	“ŽITO VARDAR“ - VELES - AWMS METHANE RECOVERY
8.	„AGRIA GROUP“ DOO VELES - AWMS METHANE RECOVERY

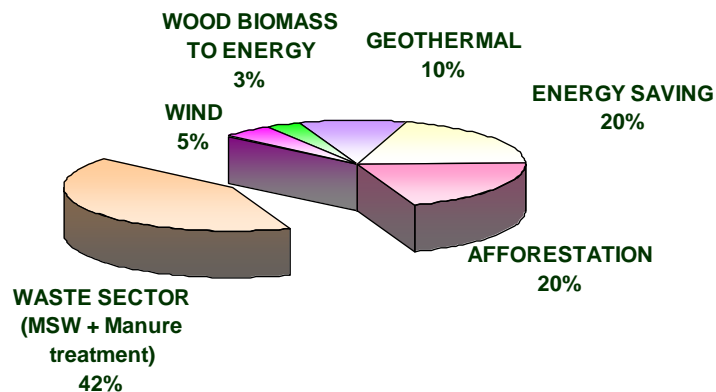


CDM project opportunities

No	Project title
Renewable Energy	
9.	WIND PROJECT “SVETI NIKOLA”
10.	BIOMASS TO ENERGY
11.	GEOTHERMAL DISTRICT HEATING SCHEME “BANSKO”
Energy efficiency and fuel switch	
12.	ENERGY EFFICIENCY IMPROVEMENTS IN CLINICAL CENTRE IN SKOPJE
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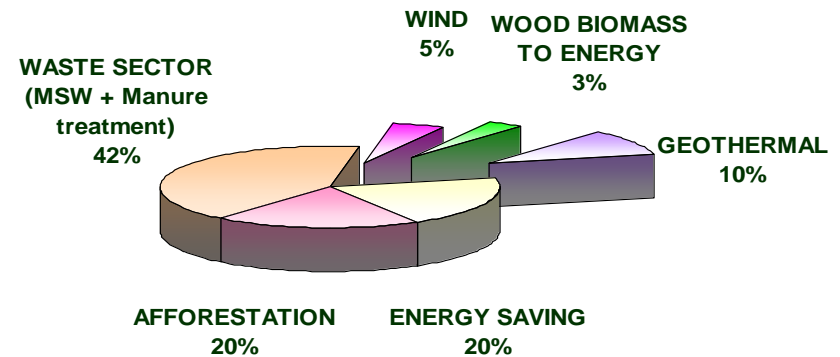
Waste Sector (MSW+Manure treatment)



No.	Project title	tCO ₂ /year
GHG REDUCTION THROUGH GASCAPTURE AND FLARING		
1.	“DRISLA” DUMP SITE	67 000
2.	“KRASTA” DUMP SITE	12 000
3.	“MEGLENCI” DUMP SITE	7 400
4.	“ŠAPKAR” DUMP SITE	8 700
5.	BUNDLING OF STIP, KOCANI AND VINICA DUMP SITE	15 600
MANURE MANAGEMENT TREATMENT		
1.	“EDINSTVO” TETOVO	5 500
2.	“ŽITO VARDAR” - VELES	22 000
3.	„AGRIA GROUP” DOO VELES	9 100



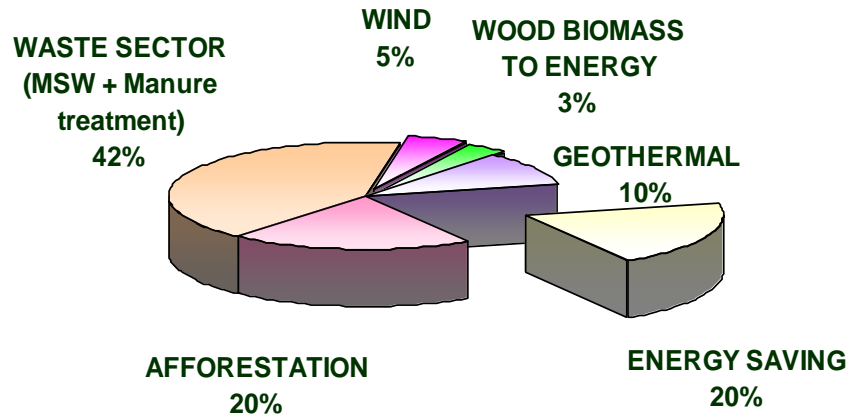
Renewable Energy Projects



No.	Project title	tCO ₂ /year
1.	WIND PROJECT "SVETI NIKOLE"	17 800
2.	BIOMASS TO ENERGY	11 900
3.	GEOTHERMAL DISTRICT HEATING SCHEME "BANSKO"	36 000



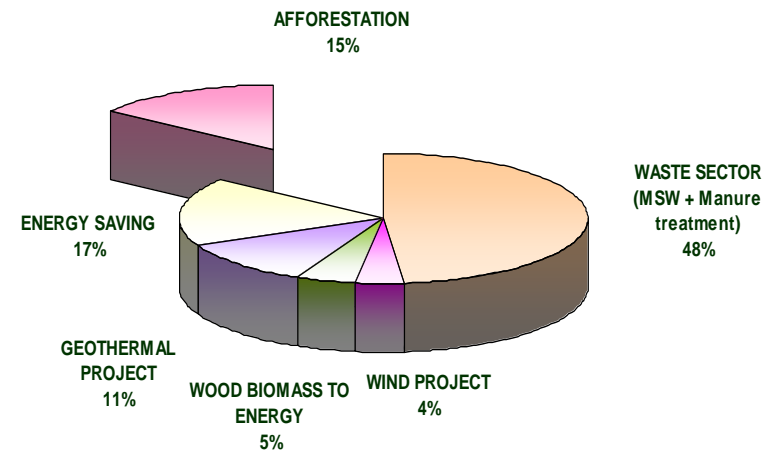
Energy Efficiency Projects



No.	Project title	tCO ₂ /year
ENERGY EFFICIENCY		
1.	THE CLINICAL CENTRE IN SKOPJE	26 000
2.	STREET LIGHTING	14 500
FUEL SWITCH		
3.	HEATING PLANT "ZAPAD"	30 000



LULUCF



No.	Project title	tCO2/year
1.	AFFORESTATION IN THE REGION OF CENTRAL MACEDONIA	70 000



Future steps

- The Call for Expression of Interest (Eoi) for co-financing the process of feasibility studies and/or PDDs preparation will be published by the end of May;
- The selection will be done according the Procedure and Criteria adopted by the Joint Committee of IMELS and MoEPP;
- All the details connected with the Call for Eoi can be found on the web page of the MoEPP:

[*www.moepp.gov.mk/cdm*](http://www.moepp.gov.mk/cdm)

