



Bundesministerium
für Umwelt, Naturschutz
und Reaktorsicherheit

CDM und JI

Current status and future strategies

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Targets and International Data on Greenhouse Gas Emissions



Kyoto Targets

Vertragspartei (Annex I Staat)	Ziel
Belgium, Bulgaria, Denmark, Germany, Estonia, European Union, Finland, France, Greece, Ireland, Italy, Latvia, Lithuania, Liechtenstein, Luxembourg, Monaco, Netherlands, Austria, Portugal, Romania, Sweden, Switzerland, Slovakia, Slovenia, Spain, Czech Republic, United Kingdom	minus 8 %
USA	minus 7 %
Japan, Canada, Poland, Hungaria	minus 6 %
Croatia	minus 5 %
New Zealand	plus/minus 0 %
Norway	plus 1%
Australia	plus 8 %
Iceland	plus 10%



CO₂ – Trends 1990 - 2004

Country groups / Countries	Changes 1990 - 2004	Changes 2003 - 2004
OECD	+ 16 %	+ 1,3 %
EU15	+ 4,5 %	+ 0,7 %
Non Annex I	+ 75 %	+ 9%
China	+ 95 %	+ 15 %
CIT	- 36 %	+ 1,6 %
World	+ 25 %	+ 4,5 %



EU bubble

EU Member State	„burden sharing“ target
Luxembourg	- 28 %
Danmark	- 21 %
Germany	- 21 %
Austria	- 13 %
UK	- 12,5
Belgium	- 7,5 %
Italy	- 6,5 %
Netherlands	- 6 %
Finland	+/- 0 %
France	+/- 0 %
Sweden	+ 4 %
Ireland	+ 13 %
Spain	+ 15 %
Greece	+ 25 %
Portugal	+ 27 %
EU	- 8 %



Great Number of EU Member States are „short“ !

EU-Mitgliedstaat	THG-Emissionen Basisjahr	THG-Emissionen 2005	„burden sharing“	Zielgröße 2008 - 2012	Zielabweichung in Mio. t	Zielabweichung in %
Belgium	146,9	150,2	- 7,5 %	135,9	- 14,3	- 9,5
Denmark	69,0	63,7	- 21 %	54,5	- 9,2	- 14,4
Germany	1230,3	993,6	- 21 %	972,0	- 21,6	- 2,2
Finland	71,2	69,8	+/- 0 %	71,2	+ 1,4	+ 1,9
France	570,8	562,8	+/- 0 %	570,8	+ 8,1	+ 1,4
Greece	108,8	136,5	+ 25 %	136,0	- 0,5	- 0,3
Ireland	55,6	69,9	+ 13 %	62,8	- 7,1	- 10,2
Italy	519,8	583,9	- 6,5 %	486,0	- 97,9	- 16,8
Luxembourg	12,7	14,2	- 28 %	9,2	- 5,0	- 35,4
Netherlands	213,0	219,8	- 6 %	200,2	- 19,6	- 8,9
Austria	79,0	94,1	- 13 %	68,7	- 25,4	- 27,0
Portugal	60,1	83,9	+ 27 %	76,4	- 7,5	- 9,0
Sweden	72,5	69,0	+ 4 %	75,4	+ 6,5	+ 9,4
Spain	287,2	441,6	+ 15 %	330,2	- 111,4	- 25,2
United Kingdom	764,5	657,6	- 12,5 %	668,9	+ 11,4	+ 1,7
total	4.261,4	4.210,4	- 8	3.918,2	- 292,3	- 6,9



Accession Countries „long“

EU-Mitgliedstaat	THG-Emissionen Basisjahr	THG-Emissionen 2005	Kyoto Ziel	Zielgröße 2008 - 2012	Zielabweichung in Mio. t	Zielabweichung in %
Estonia	42,6	21,2	- 8,0	39,2	+ 18,0	+ 84,7
Latvia	25,9	10,8	- 8,0	23,8	+ 13,0	+ 119,9
Lithuania	50,9	20,8	- 8,0	46,9	+ 26,0	+ 124,8
Malta	2,2	3,2	-	-	-	-
Poland	459,8	387,0	- 6,0	432,2	+ 45,2	+ 11,7
Slovakia	73,4	52,4	- 8,0	67,5	+ 15,1	+ 28,7
Slovenia	20,2	20,1	- 8,0	18,6	- 1,4	- 7,2
Czech Republic	196,3	148,1	- 8,0	180,6	+ 32,5	+ 21,9
Hungaria	122,3	84,8	- 6,0	114,9	+ 30,1	+ 35,5
Cyprus	6,0	9,0	-	-	-	-
Total Accession Countries	999,6	757,7		923,7	+ 178,4	+ 23,9
Total EU - 25	5.261,0	4968,0		4.841,9	- 113,9	- 2,3



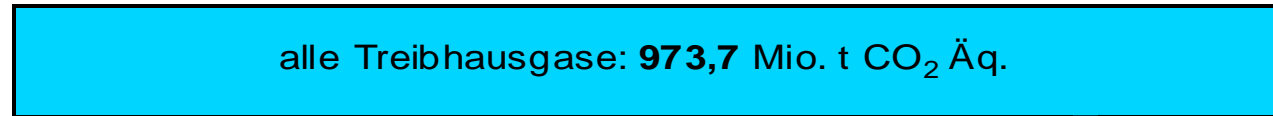
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The revised German NAP II (Cabinet decision on 18. April 2007)



EU ETS „cap“ (Status 18. April 2007) – The German Case

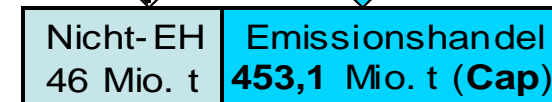
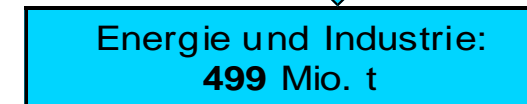
Emissionsbudget
2008-2012



Aufteilung
CO₂ – Nicht CO₂



Aufteilung
Energie + Industrie
(Cap)



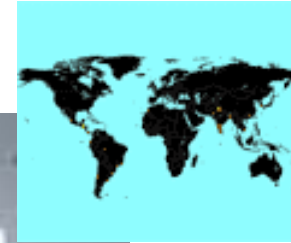


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The CDM-market



CDM works

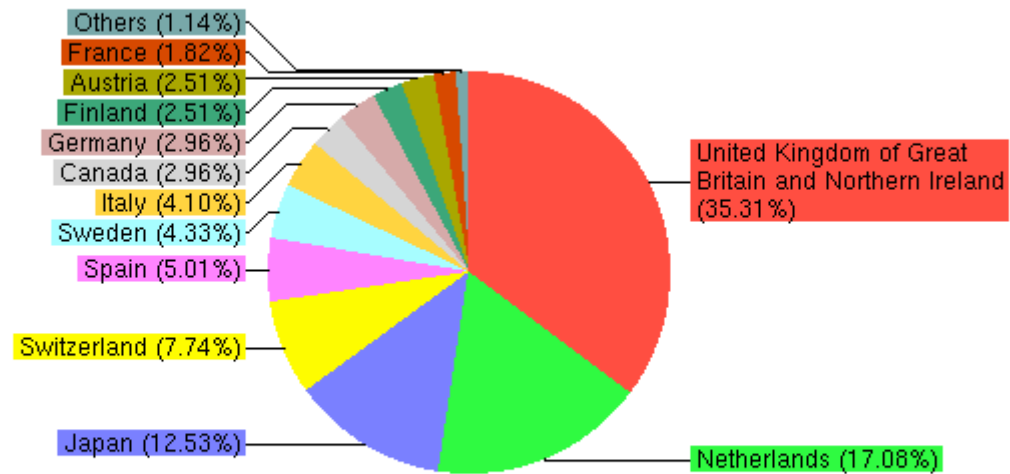


Status: 27.04.2007

Registered projects:	638
Expected CERs:	870,000,000
Requested Registration:	78
Project pipeline:	> 1600
Expected CERs:	> 1,900,000,000
Issued CERs:	44,750,944
Requested CERs:	52,717,946



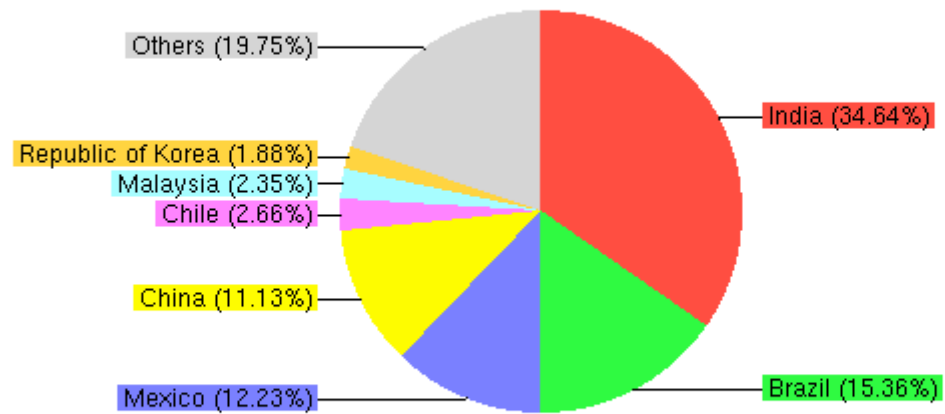
Registered projects by AI and NAI investor parties



<http://cdm.unfccc.int> (c) 26.04.2007 17:29



Registered project activities by host party. Total: 638



<http://cdm.unfccc.int> (c) 27.04.2007 18:23



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Status of JI/CDM in Germany

(Status: 26.3.07)



		Total	CDM	Jl abroad	Jl Germany
Total		111	45	6	60
Application for Endorsement*		22	4	6	12
	approved	5	2	3	
	rejected	3			3
	under examination	14	2	3	9
	inactive	0			0
Application for Approval		89	41		48
	approved	22	22		
	rejected	0			
	under examination	58	13		45
	inactive	6	6		
	withdrawn	3			



Project Categories

	Total	CDM	Jl abroad	Jl Germany
Biogas	6	4		2
Landfill gas	6	5		1
Fuel Switch	12	2	2	8
Solar Energy	2	2		
Hydro Power	9	9		
Biomass	15	14		1
Wind Power	3	1	2	
HFC 23 Destruction	2	2		
N2O Destruction	7	6		1
Mine Gas	49		2	47



Host Countries

	Total	CDM	Jl abroad
South Africa	3	3	
Indonesia	3	3	
Brasil	5	5	
Thailand	1	1	
Costa Rica	1	1	
Colombia	2	2	
China	3	3	
India	10	10	
Egypt	1	1	
Azerbaijan	1	1	
Paraguay	1	1	
Ukraina			1
Bulgaria	1		1
Poland	2		2



Host Countries continued

	Total	CDM	JI abroad
Honduras	1	1	
Peru	1	1	
Nepal	2	2	
Argentina	1	1	
Moldau	2	2	
Malaysia	2	2	
Korea	1	1	
Israel	2	2	
Madagaskar	1	1	
Armenia	1	1	
Russia	1		1
Lithuania	1		1
Estonia	1		1



The German CDM-Initiative

‘CDM – Initiative’ means: CDM and JI

Fields of Activities:

- 1. National Framework**
- 2. Bilateral Co-operation/ Memoranda of Understanding**
- 3. Projectportfolio**
- 4. Tools**
- 5. Lessons learned**
- 6. Recent/Current Activities**



National Framework I

Use of CERs and ERUs in the ETS:

**20% of the EU ETS cap = 90 Mio. Certificates p.a. = 450 Mio.
Certificates in 2008/12**

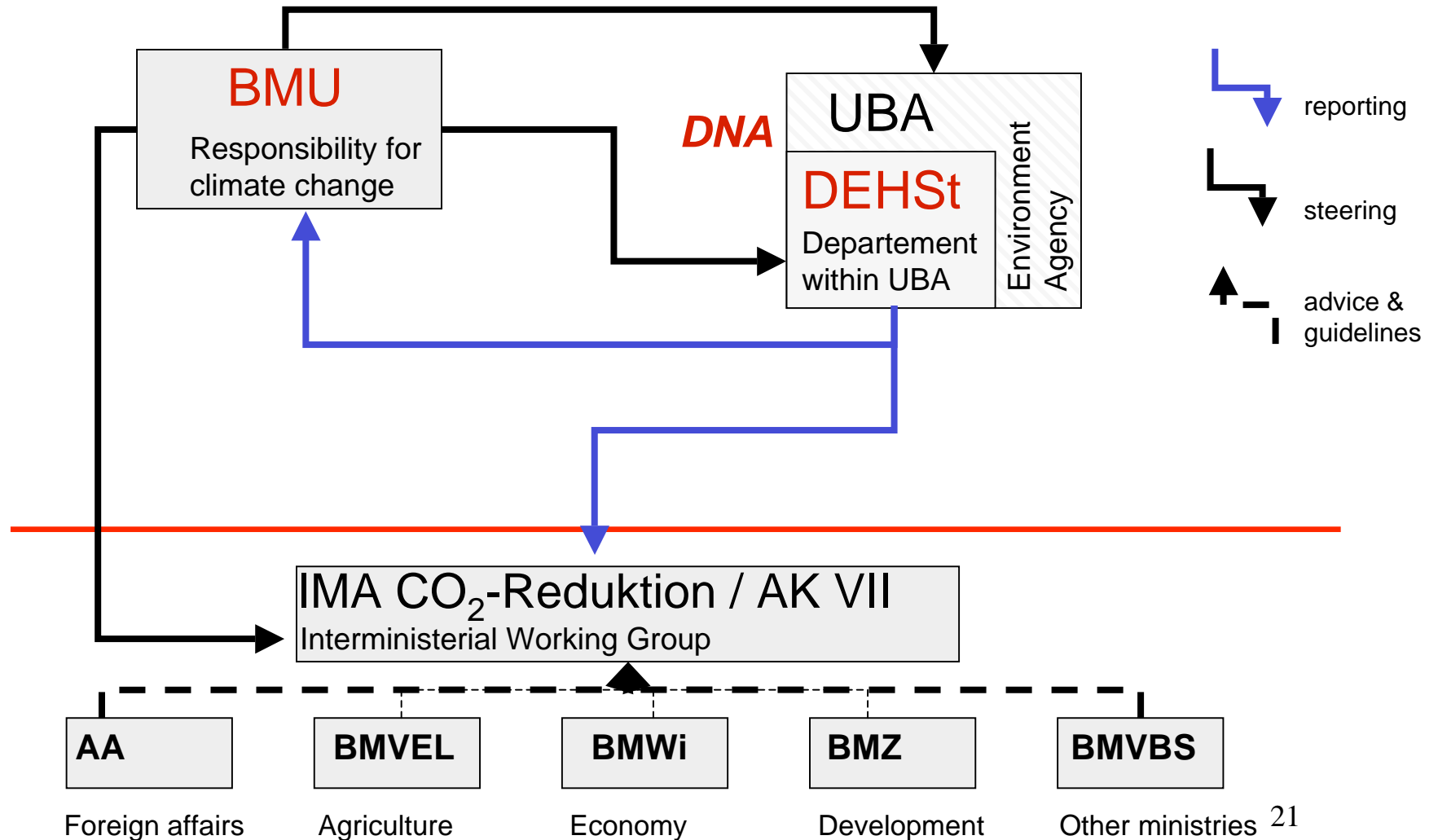
**Assuming a reduction of 50.000 t CO₂eq/a this would correspond to
1800 projects**

**The constitution of the Emissions Trading Authority (Deutsche
Emissionshandelsstelle) has been successfully performed:**

- **CDM-projects are usually handled within 3-4 weeks time**
- **High workload with JI projects in Germany**



National Framework/Administration





National Framework/Legal Basis

ProMechG = Projekt-Mechanismen-Gesetz

1. **Regulations for CDM and JI transform the international Standards (COP/MOP and EU-Linking Directive)**
2. **Independent Certifiers guarantee for credibility of projects**
3. **Check by DEHSt : completeness, consistency and plausibility**
4. **Projects in Germany: Additionality/ THG Inventory**



National Framework/Competences

**Competent authority (German DFP/DNA)=
German Emissions Trading Authority (DEHSt)
within the Federal Environment Agency (UBA)**

based on the Rules of ProMechG:

- **approval of JI and CDM project activities**
- **authorization of private entities**
- **registration of national projects**
- **checking verification reports**
- **performing CDM/JI Database, website and other information tools**



National Framework/Federal Ministry for Environment

- **Further development of JI/CDM**
- **Negotiations on the International and European Level**
- **Memoranda of Understanding**
- **Chair of AK VII „JI und CDM“ of the Interministerial Workinggroup „CO₂-Reduction“ (IMA „CO₂-Reduktion“)**
- **JIKO**
- **Alternate Member of JISC**



CDM/JI-Agreements/MoU

Existing Agreements:

BASREC

- **Egypt**
- **Peru**
- **Mexico**
- **Tunesia**

Negotiations near conclusion:

- **Israel, India, Costa Rica**

Ongoing negotiations:

- **Azerbaijan, Brasil, Bulgaria, Chile, China, Malaysia, Poland, Romania, Russia, South Africa, Thailand, Czech Republic, Ukraina**



Financial Contributions to Funds

KfW Carbon Fund - established as PPP

- **Initial contribution (4 Mio EUR)**
- **first tranche: overall capital brought in at 80 Mio EUR**

BASREC Fund - (*Baltic Sea Regional Energy Cooperation*) multilateral Fund

- **Initial contribution (5 Mio EUR)**
- **Partners: Poland, Estonia, Latvia, Lithuania and Russia**
- **No plans to use CERs/ERUs for meeting emission reduction target (-21%)/Priority given to domestic action**



Projectportfolios

- **Enhancing co-operation with selected host countries**
- **Visibility of Germany as CDM/JI-Investing Country**
- **Networking and institutional contacts**
- **Systematic Co-operation with political Decision Makers and Service Providers in the Host Country**
- **Mobilisation of German Actors in Host Countries**
- **Developing strategies to open the market for projects which are ready for implementation**
- **Precondition for being included in the portfolio: ready for implementation**



Examples of project portfolios

- **Projectportfolios for Russia, Romania and Ukraina (developed by „dena“ as contractor)**
- **Activities just started in China, Russia und Latin America**
- **Further planning for Israel, Egypt und Tunesia**

Russia:

- **Agreement on Co-operation: BMU/MEDT**
- **12.12.2006 JI-Workshop in Moscow**
- **Presentation of German projects in Russia**
- **Presentation of JI-Manual for russian companies**
- **March 2007: German- Russian Economy Meeting**



Examples of Projectportfolios

China:

- **06./07.12.06 Projectmatching-Workshop in Beijing**
- **over 60 suggestions for projects in China had been submitted and being checked by german and chinese experts (DEG, KCC)**
- **German actors in Beijing involved (AHK, GTZ)**
- **SEPA involved**
- **Besides Projectmatching, Working groups to: (N₂O abatement, Sludge treatment and Energy efficiency),**
- **Project – starting point to long-term co-operating strategy**
- **Meeting for Evaluation with german companies in January 2007**
- **Round Table in Beijing in April 2007 with chinese institutions lead by AHK, discussion on further focus (Energy efficiency and bioenergy)**



Examples of Projectportfolios

Latin America: Development of a webbased CDM-Platform

direct target:

primarily use as tool for communication to foster cross-national networking, information

Embedding of prominent actors in host countries, close co-operation with DNA and political decision makers, mobilisation of german actors on-site, networking with actors in Germany

target on project level:

support for project development, enhancing of communication structure in the host countries, if possible: bilateral project-portfolios



Tools of the CDM-Initiative

- **Pre-Check** (update being prepared)
- manual (update being prepared)
- **CDM/JI-Brochure** (new edition just released)
- **CDM/JI-data base** (being installed at DEHSt, access via internet)
- **JIKO-Info**
- **New web portal** just activated this week:
www.jiko-bmu.de
- **Web based CDM-platform for Latin America**
(being developed)



Lessons learned/Amendment ProMechG

ProMechG

- **procedures for JI in Germany have to be improved**
- **adjusting ProMechG to international and european decisions**
- **CDM/JI- experience of DEHSt: checking of plausibility is proving of value, procedures are being accelerated**
- **no need for further ordinances**

Ordinance for fees

- **fees are being prohibitiv**

Amendment of ProMechG (Parliament (Deutscher Bundestag“)/ 1st reading in May):

- **ProMechG is being adjusted to JI second track**
- **lower fees (20-600€) – Administrative costs in future financed by Reserve in National Allocation Plan for the second period (2008 – 2012)**



Recent activities of BMU

- **German-Russian Economy Meeting/JI
TerraTec in Leipzig/ in March 2007
Contractor: dena**
- **Jl- Biomass – Workshop with Russia, Ukraina,
Romania, Bulgaria and Poland
TerraTec in Leipzig (March 2007)
Contractor: GfA Envest**



Current Activities

Start-up Workshop with Tunisia in March 2007
Opening Minister Sigmar Gabriel

Focus:

- + Solar Thermal (cooling, Power plant)**
- + Landfill**
- + Financing**

Follow-up-Activities mid 2007



Current Activities BMU

China:

- **Strategic Round table in March 2007**
- **Follow-up to Projectmatching –Workshop December 2006**
- **Options to participate**
- **Strategic Dialogue on minister's level/ end of year**



Further activities in preparation

- 1. Egypt: Workshop/Projectportfolio (possibly in June 2007)**
- 2. Israel: Workshop on CDM and inventories**
- 3. Ukraina: further development of the projectportfolio, firstly further contacts on the political level, open for further German project ideas**
- 4. CTI-projectmatching in October 2007 / focus on FSE countries, Eastern Europe**



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Thank you for your attention!

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