



中国-欧盟清洁发展机制促进项目

指定经营实体（DOE）能力建设和培训项目

德国科隆

2008年4月至2009年9月

总结报告

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术语列表

AE	申请实体
CERs	核证的减排
CDM	清洁发展机制
CDM-AP	CDM 认证专门小组
CO ₂	二氧化碳
CO ₂ e	二氧化碳等效
COP	成员国大会
DOE	指定经营实体
EB	联合国清洁发展机制执行理事会
EC	欧盟委员会
EU	欧盟
UNFCCC	联合国气候变化框架公约

背景介绍

联合国对于指定经营实体的定义为，一个已被联合国清洁发展机制执行理事会(CDM EB) 认证的独立组织，其认证内容包括：1) 首先进行验证，随后对拟议的清洁发展机制项目活动进行登记；2) 核查登记项目活动的减排量，并证明，之后向 EB 提出相应的核证减排申请¹。

根据联合国气候变化框架公约(UNFCCC) 相关要求, 通过认证的 DOE 需符合如下要求：

- I. 齐备的审核知识
- II. 业务范围知识
- III. 专业的 CDM 知识

随着中国 CDM 市场的逐步扩大，相应的对于 DOE 的需求也在增大。但是 DOE 的数量极为有限，而且其申请验证过程也极为漫长。在本项目的初期，国内的本土 DOE 数量为零。因此，项目的设计方和实施方均认为，在迅速发展的 CDM 市场条件下，缺少本土的 DOE 是前期遇到的主要难题。巨大的差异同样表现在，由国家指定机构(DNA) 批准的项目数量 (截至 2008 年 5 月份的 1173 个项目) 和实际上在 CDM 执行理事会注册的项目数量 (截至 2008 年 5 月份的 202 个项目)，以及申请项目和实际获得核准减排的项目数量方面。

为了协助 CDM 项目在中国的实施，中欧清洁发展机制促进项目针对中国的 DOE 申请机构²，推出了 **DOE 能力建设和培训项目**。德国莱茵技术有限公司作为培训项目的设计方，协同中国环境保护部环境与经济政策研究中心和迪锐思（北京）咨询有限公司，共同执行了具体的培训工作。

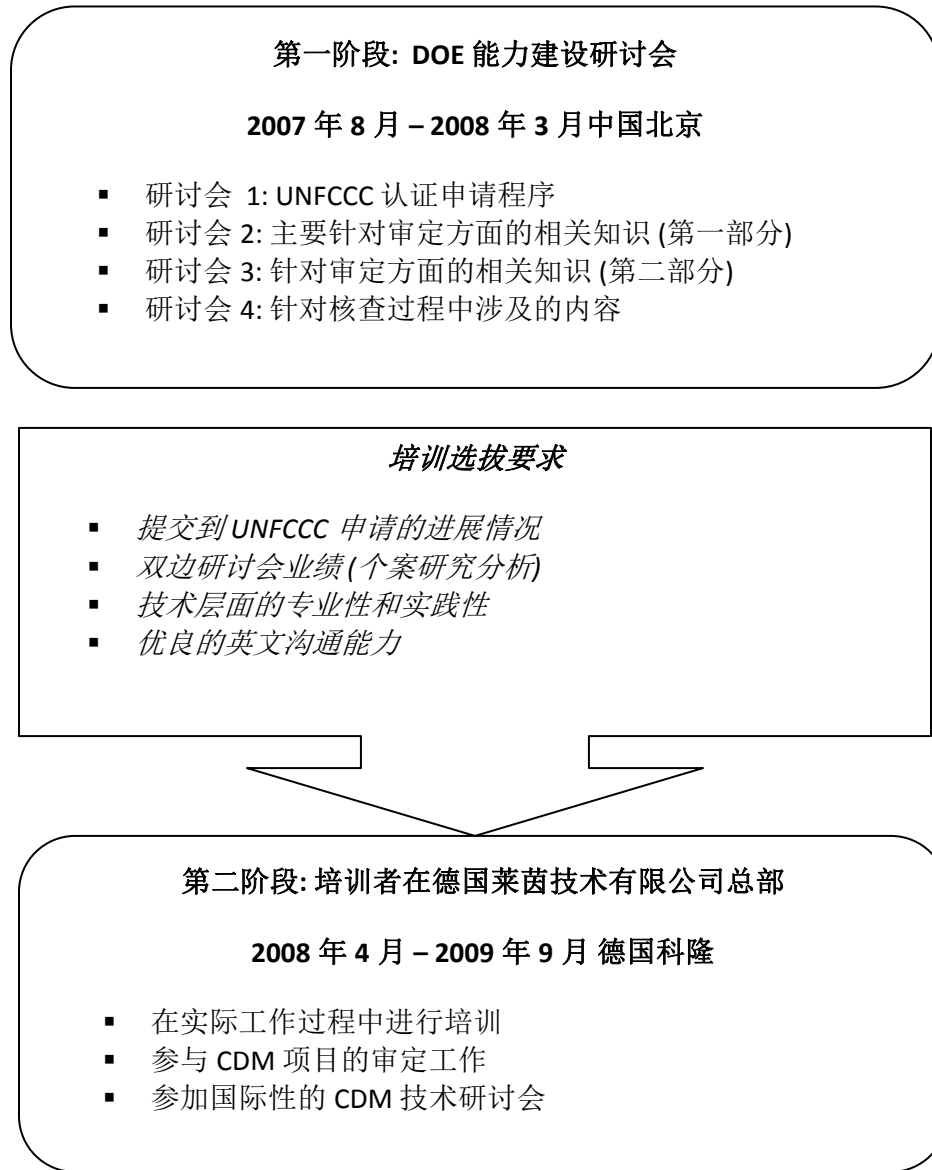
¹ 请参照 <http://cdm.unfccc.int/DOE/index.html>

² 向 UNFCCC 提出申请的，尤其向 CDM 认证专门小组(CDM AP) 申请 DOE 认证的中方组织机构

DOE 能力建设和培训项目综述

培训项目的对象主要是已申请指定经营实体资格认证，并有进一步申请计划的组织机构。在设计 and 执行培训之前，通过对中方申请实体和潜在申请实体的一系列的调查，培训项目拟定了一份需求评估报告。报告中涉及的内容，被用来作为德国莱茵技术有限公司设计培训项目的依据。培训主要包含了两个阶段，请见下表：

图表 1 DOE 能力建设和培训项目结构



参与培训的中方机构

培训项目的对象主要是已申请指定经营实体资格认证，并有进一步申请计划的组织机构。

表格 1. 参与培训的中方机构 –潜在的指定经营实体

已申请 DOE 认证的中方机构 (截至到 2009 年 11 月 12 日):	已接受本项目培训的组织机构:
<ul style="list-style-type: none"> • 中国环境联合认证中心(CEC) • 中国质量认证中心 (CQC) • 清华科威国际技术转移有限公司 • 中国船级社质量认证公司 (CCS) • 赛宝认证中心(CEPREI) • 达华工程管理(集团)有限公司 	<ul style="list-style-type: none"> • 中国环境联合认证中心 (CEC) • 中国质量认证中心 (CQC) • 清华科威国际技术转移有限公司 • 中国船级社质量认证公司 (CCS) • 赛宝认证中心(CEPREI)

DOE 在德国的培训 (附件 I)

六位从相关机构中选拔出来的培训人员在德国莱茵技术有限公司的总部科隆，分别参与了为期八周的培训项目。

第一次培训- 中国环境联合认证中心(CEC)

第一次 DOE 培训于 2008 年 4 月 4 日至 6 月 8 日在德国科隆德国莱茵技术有限公司(TÜV)总部开展。来自中国环境联合认证中心(CEC)的相关人员参加了此次培训。德国莱茵技术有限公司 CDM 资深审核员为学员提供指导。通过此次在德国的培训，进一步提高了培训人员的相关技能，尤其是加强了在审计、业务范围和核查等方面的能力和知识。

培训为学员提供了 CDM 审定与核查的实用技能与知识，同时也提高了学员所在机构的能力，促进了中国本土 DOE 的成长。在 2008 年 4 月 15 日，中国环境联合认证中心 (CEC) 获得了 CDM 认证专门小组 (CDM-AP)的预许可函(Indicative Letter)。

第二次培训- 中国质量认证中心(CQC)

第二次 DOE 申请者培训于 2008 年 7 月 7 日至 8 月 29 日在德国莱茵技术有限公司(TÜV)总部开展，中国质量认证中心(CQC)的相关人员参加了培训。学员在德国莱茵技术公司 CDM 高级审计员的监督和指导对在多个国家和中国开展的一些 CDM 项目的认证进行了分析。培训为学员提供了 CDM 审定与核查的实用技能与知识，同时也提高了学员所在机构的能力，促进了中国本土 DOE 的

成长。在 2008 年 9 月，中国质量认证中心 (CQC) 获得了 CDM 认证专门小组 (CDM-AP) 的预许可函 (Indicative Letter)。

第三次培训- 清华科威国际技术转移有限公司

第三次 DOE 申请者培训于 2008 年 10 月 27 日至 12 月 19 日在德国莱茵技术有限公司(TÜV)总部开展。清华科威国际技术转移有限公司的相关人员参加了此次培训。受训人员在德国莱茵技术公司 CDM 高级审计员的监督和指导下对多个国家和中国开展的 CDM 认证项目案例进行了分析。培训旨在加强受训人员参与组织的审计和行业知识，增进 CDM 审定相关知识及参与组织联合实施项目的认识，促进中国指定经营实体的发展。培训成果受到参与培训的清华科威国际技术转移有限公司的人员的高度评价。

第四次培训- 中国环境联合认证中心

第四期 DOE 培训项目于 2009 年 3 月 6 日至 5 月 8 日在德国莱茵技术有限公司 (TUV)位于科隆的总部进行。来自中国环境联合认证中心(CEC)的员工独威参加了培训。在 TUV 的高级审核员的指导下，学员学习了 CDM 方法学和方法工具、参与了对现有 CDM 项目的审核过程、并参加了在波恩的 EB 第 46 次大会和 CDM 联合协调研讨会。

2009 年 3 月 25 日，在第 46 次 UNFCCC 执行理事会 (EB)会议上，中国中环联合（北京）认证中心有限公司 (CEC)和中国质量认证中心 (CQC)被正式批准为指定经营实体 (DOEs)，具备审定与核查的双重功能。

第五次培训- 中国船级社质量认证公司(CCSC)

第五期 DOE 申请实体培训项目于 2009 年 6 月 4 日初至 7 月 24 日在德国莱茵技术有限公司(TUV)位于科隆的总部进行。来自中国船级社质量认证公司的朴丽静女士参加了此次培训。在德国莱茵技术公司 CDM 高级审计员的监督和指导下，培训学员学习了 CDM 的相关方法学、方法工具、审定与核查手册等资料，并参与了对现有的不同类型的 CDM 项目的认证过程。本次培训进一步加强了学员在 CDM 项目审计、行业知识和 CDM 审定与核查的相关知识及经验，同时增加了参与方组织在 CDM 审定与核查方面的能力，促进中国指定经营实体的发展。

第六次培训- 赛宝认证中心(CEPREI)

2009年8月3日至9月25日来自赛宝认证中心的相关人员，在德国莱茵技术有限公司 (TUV)位于科隆的总部接受了项目的第六期培训。此次培训沿用了以往的成功经验，在德国莱茵技术公司 CDM 高级审计员的监督 and 指导下，培训学员学习了 CDM 的相关方法学、方法工具、审定与核查手册等资料，并参与了对现有的不同类型的 CDM 项目的认证过程。在德培训期间，培训学员还参观了在光伏部件测试和认证方面，具有世界领先技术的莱茵的光伏实验室。

总结

中欧清洁发展机制促进项目的执行机构以及参与项目的中方机构，对于指定经营实体能力建设和培训项目的成功运作，给予了一致肯定。

2007年，在培训项目初期 CDM 项目的执行各方，经历了缺少中方经营实体的瓶颈期。在 2009年3月25日召开的 EB 第 46 次会议上，中国环境联合认证中心和中国质量认证中心正式被 EB 批准为指定经营实体，从此可以开展国内外的 20 多个 CDM 项目审定与核查。中国环境联合认证中心和中国质量认证中心均参与了由中欧清洁发展机制促进项目组织的 **DOE 能力建设和培训项目**。

目前，中国船级社质量认证公司和赛宝认证中心的指定经营实体认证也正在进行中，他们已在积极准备迎接 EB 审核的相应工作。

尽管中国 CDM 市场的指定经营实体层面仍待改进，但是 CQC 和 CEC 的成功案例，无疑为计划申请认证的组织机构，注入了一剂强心剂。

EU China CDM Facilitation Project

DOE training report
(07.04.2008 – 30.05.2008)

- **Training participate**

Mrs. Guo Jiangwen from China Environmental United Certification Center (CEC)

- **Duration of training**

April 4th 2008 – May 30th 2008

- **Location of training**

Cologne/Bonn

- **Objective of training**

Capacity building in following areas:

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation

- **Training method**

Validation of running CDM projects together with CDM Auditor at TUV Rheinland

- **Daily activities**

Date	Content	Venue
April 07	Morning session: Brief introduction of TUV Rheinland, the contents of the training course in Cologne; the introduction of the first case study After session: Confirmation on some logistic issue including the administrative registration, local transportation and apartment arrangement	TUV office
April 08	Study on VVM as the preparation for the coming workshop in Bonn	TUV office
April 09	Study on VVM as the preparation for the coming workshop in Bonn; Computer system setting; training course of the position	TUV office

Date	Content	Venue
	safety	
April 10	Study on VVM as the preparation for the coming workshop in Bonn; Study on the PDD - case Morocco	TUV office
April 11	Attend the VVM workshop; work on the case - Morocco protocol	UNFCCC RM1912
April 12	Attend the conference of UNFCCC; work on the case - Morocco protocol	Bonn
April 13	Attend the conference of UNFCCC; work on the case - morocco protocol	Bonn
April 14	Work on the case - Morocco protocol	Bonn
April 15	Work on the case - Morocco protocol	Bonn
April 16	Finalize the draft report of case - Morocco	TUV office
April 17	Finalize the draft report of case – Morocco	TUV office
April 18	Finalize the draft report of case – Morocco	TUV office
April 21	Discussion of the case - Morocco protocol; Revise the validation protocol table 3	TUV office
April 22	Revise the validation protocol table 1; 2	TUV office
April 23	Work on the case - JI project-Russia: internal review	TUV office
April 24	Finalization of the desk review findings for case – Morocco	TUV office
April 25	Work on the case - JI project-Russia: internal review	TUV office
April 28	Review the findings in case - Morocco Discussion the workload schedule in May	TUV office
April 29	Work on the case - JI project-Russia: internal review	TUV office
April 30	Work on the case - JI project-Russia: internal review	TUV office
May 05	Review the finalization of case - JI project-Russia: internal review	TUV office
May 06	Attend EU-China CDM business conference	Cologne

Date	Content	Venue
May 07	Attend the Carbon Expo	Cologne
May 08	Attend the Carbon Expo	Cologne
May 09	Attend the Carbon Expo	Cologne
May 13	Work on the case - Bulgaria: completeness check	TUV office
May 14	Work on the case - Bulgaria: completeness check	TUV office
May 15	Study on the case- Malaysia and work on the completeness check	TUV office
May 16	Study on the internal review destination for case - JI project-Russia: internal review	TUV office
May 19	Study on the internal review destination for case - JI project-Russia: internal review	TUV office
May 20	Work on the case - Kenya	TUV office
May 21	Work on the case – Kenya	TUV office
May 26	Work on the desk research of Africa survey	TUV office
May 27	Work on the desk research of Africa survey	TUV office
May 28	Work on the desk research of Africa survey	TUV office
May 29	Work on the desk research of Africa survey	TUV office
May 30	Work on the desk research of Africa survey	TUV office

EU China CDM Facilitation Project

Report of 2nd DOE training

- **Training participator**

Mrs. Zhang Lixin from China Quality Certification Centre (CQC)

- **Duration of training**

July 7th 2008 – August 29th 2008

- **Location of training**

Bonn, Cologne

- **Objective of training**

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation

- **Training method**

- Validation of running CDM projects
- Participation of EB meeting 41
- Visitation of power plant (RheinEnergie AG)
- Emission measurement of 5 elements (Dust, CO, NO_x, SO₂, Hg) and calibration of measurement equipment

- **Daily activities**

Date	Content	Location
July 07	Arrival	
July 08	- Introduction of TUV office and accommodation in Cologne - Introduction of Jilin Wangqing 2x25MW Biomass Cogeneration Project	TUV office
July 09	General introduction of IRR calculation	TUV office
July 10	Study of Jilin Wangqing 2x25MW Biomass Cogeneration Project	TUV office
July 11	Study of Jilin Wangqing 2x25MW Biomass Cogeneration Project	TUV office

Date	Content	Location
July 12	Weekend	
July 13	Weekend	
July 14	Study of for wind park at the Orites Archimandritas, Czprus Project	TUV office
July 15	Study of for wind park at the Orites Archimandritas, Czprus Project	TUV office
July 16	Study of for wind park at the Orites Archimandritas, Czprus Project	TUV office
July 17	Discussion of Jilin Wangqing 2x25MW Biomass Cogeneration Project	TUV office
July 18	Discussion of Jilin Wangqing 2x25MW Biomass Cogeneration Project	TUV office
July 19	Weekend	
July 20	Weekend	
July 21	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 22	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 23	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 24	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 25	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 26	Weekend	
July 27	Weekend	
July 28	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 29	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
July 30	Attending the EB 41 meeting	UNFCCC
July 31	Attending the EB 41 meeting	UNFCCC
Aug 01	Attending the EB 41 meeting	UNFCCC
Aug 02	Attending the EB 41 meeting	UNFCCC
Aug 03	Weekend	
Aug 04	Discussion of wind park at the Orites Archimandritas, Czprus Project	TUV office

Date	Content	Location
Aug 05	Discussion of wind park at the Orites Archimandritas, Czprus Project	TUV office
Aug 06	Study of EB 41 meeting report	TUV office
Aug 07	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 08	Beijing Olympic Game opening ceremony	
Aug 09	Weekend	
Aug 10	Weekend	
Aug 11	Study of the Tools issued by EB	TUV office
Aug 12	- Visitation of power plant (RheinEnergie AG) - Emission measurement of power generation - Calibration of measurement equipment	RheinEnergie AG
Aug 13	Discussion of for Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 14	IRR calculation study of of Jilin Wangqing 2×25MW Biomass Cogeneration Project	TUV office
Aug 15	IRR calculation study of of Jilin Wangqing 2×25MW Biomass Cogeneration Project	TUV office
Aug 16	Weekend	
Aug 17	Weekend	
Aug 18	IRR calculation study of registered wind farm projects	TUV office
Aug 19	IRR calculation study of registered wind farm projects	TUV office
Aug 20	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 21	Study of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 22	IRR calculation study of for Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 23	Weekend	
Aug 24	Weekend	
Aug 25	Discussion of IRR calculation for Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova Project	TUV office
Aug 26	Information exchange on the GHG business and other business in the filed of environmental protection between CQC and TUV	TUV office

Date	Content	Location
Aug 27	Summary of the training project	TUV office
Aug 28	Preparation for leaving	
Aug 29	Leaving	

EU China CDM Facilitation Project

Report of 3rd DOE training

- **Training participator**

Mr. **Cao Xu** from Coway international TechTrans Co., Ltd.

- **Duration of training**

October 27th 2008 – December 19th 2008

- **Location of training**

Cologne, Poznan

- **Objective of training**

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation
- JI knowledge on determination

- **Training method**

- Study on CDM methodologies and methodological tools
- Validation of running CDM projects
- Determination of running JI projects
- Participation of EB Meeting 44

- **Daily activities**

Date	Activity	Location
October 27	Arrival	
October 28	Study of CDM methodologies and methodological tools	TUV office
October 29	Study of CDM methodologies and methodological tools	TUV office
October 30	Study of CDM methodologies and methodological tools	TUV office
October 31	Study of CDM methodologies and methodological tools	TUV office

Date	Activity	Location
November 1	Weekend	
November 2	Weekend	
November 3	Validation of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova	TUV office
November 4	Validation of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova	TUV office
November 5	Validation of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova	TUV office
November 6	Validation of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova	TUV office
November 7	Validation of Landfill Gas Recovery and Energy Production at the Tintareni Landfill Site, Chisinau, Moldova	TUV office
November 8	Weekend	
November 9	Weekend	
November 10	Study on "Best Available Technology" of pulp and paper industry	TUV office
November 11	Study on "Best Available Technology" of pulp and paper industry	TUV office
November 12	Study on "Best Available Technology" of pulp and paper industry	TUV office
November 13	Study on "Best Available Technology" of pulp and paper industry	TUV office
November 14	Study on "Best Available Technology" of pulp and paper industry	TUV office
November 15	Weekend	
November 16	Weekend	
November 17	Validation of District Heating System Project	TUV office
November 18	Validation of District Heating System Project	TUV office
November 19	Validation of District Heating System Project	TUV office
November 20	Validation of District Heating System Project	TUV office
November 21	Validation of District Heating System Project	TUV office

Date	Activity	Location
November 22	Weekend	
November 23	Weekend	
November 24	Assessment of energy efficiency project in paper industry	TUV office
November 25	Assessment of energy efficiency project in paper industry	TUV office
November 26	Assessment of energy efficiency project in paper industry	TUV office
November 27	Assessment of energy efficiency project in paper industry	TUV office
November 28	Validation of Wind Park at the Orites Archimandritas, Cyprus	TUV office
November 29	Weekend	
November 30	Weekend	
December 1	Participation of EB Meeting 44	Poznan
December 2	Participation of EB Meeting 44	Poznan
December 3	Participation of EB Meeting 44	Poznan
December 4	Participation of EB Meeting 44	Poznan
December 5	Participation of EB Meeting 44	Poznan
December 6	Weekend	
December 7	Weekend	
December 8	Desk Review of GS CDM, Additionality and end-user energy effective project	TUV office
December 9	Desk Review of GS CDM, Additionality and end-user energy effective project	TUV office
December 10	Desk Review of GS CDM, Additionality and end-user energy effective project	TUV office
December 11	Desk Review of GS CDM, Additionality and end-user energy effective project	TUV office
December 12	Desk Review of GS CDM, Additionality and end-user energy effective project	TUV office
December 13	Weekend	
December 14	Weekend	

Date	Activity	Location
December 15	Determination of JI biomass residue project	TUV office
December 16	Determination of JI biomass residue project	TUV office
December 17	Determination of JI biomass residue project	TUV office
December 18	Determination of JI biomass residue project	TUV office
December 19	Leaving	

EU China CDM Facilitation Project

Report of 4th DOE Training

- **Training participator**

Mr. **Du Wei** from China Environmental United Certification Center Co., Ltd (CEC)

- **Duration of training**

March 16th 2009 – May 08th 2009

- **Location of training**

Cologne, Bonn

- **Objective of training**

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation

- **Training method**

- Study on CDM methodologies and methodological tools
- Validation of running CDM projects
- Participation of EB 46th Meeting

- **Daily activities**

Date	Content	Location
March 16	Arrival	
March 17	Study of ACM0006 and relevant tools for the biomass residue project	TUV office
March 18	Study of ACM0006 and relevant tools for the biomass residue project	TUV office
March 19	Validation of 6 MW bagasse based cogeneration project	TUV office
March 20	Validation of 6 MW bagasse based cogeneration project	TUV office
March 21	Weekend	
March 22	Weekend	

Date	Content	Location
March 23	Attendance of EB 46 th Meeting as an observer in Bonn	UNFCCC
March 24	Attendance of EB 46 th Meeting as an observer in Bonn	UNFCCC
March 25	Attendance of EB 46 th Meeting as an observer in Bonn	UNFCCC
March 26	Validation of 6 MW bagasse based cogeneration project	TUV office
March 27	Discussion and summary of 6 MW bagasse based cogeneration project	TUV office
March 28	Weekend	
March 29	Weekend	
March 30	Study of AM0058 and relevant tools for the District Heating System Project	TUV office
March 31	Validation of District Heating System Project	TUV office
April 01	Validation of District Heating System Project	TUV office
April 02	Validation of District Heating System Project	TUV office
April 03	Validation of District Heating System Project	TUV office
April 04	Weekend	
April 05	Weekend	
April 06	Validation of District Heating System Project	TUV office
April 07	Validation of District Heating System Project	TUV office
April 08	Validation of District Heating System Project	TUV office
April 09	Validation of District Heating System Project	TUV office
April 10	National Holiday	
April 11	Weekend	
April 12	Weekend	
April 13	National Holiday	
April 14	Study of AM0025 and relevant tools for MSW Incineration Project	TUV office

Date	Content	Location
April 15	Validation of MSW Incineration Project	TUV office
April 16	Validation of MSW Incineration Project	TUV office
April 17	Validation of MSW Incineration Project	TUV office
April 18	Weekend	
April 19	Weekend	
April 20	Validation of MSW Incineration Project	TUV office
April 21	Validation of MSW Incineration Project	TUV office
April 22	Validation of MSW Incineration Project	TUV office
April 23	Validation of MSW Incineration Project	TUV office
April 24	Validation of MSW Incineration Project	TUV office
April 25	Weekend	
April 26	Attendance of DOE/AIE Forum	UNFCCC
April 27	Attendance of CDM Joint Coordination Workshop	UNFCCC
April 28	Attendance of CDM Joint Coordination Workshop	UNFCCC
April 29	Attendance of CDM Joint Coordination Workshop	UNFCCC
April 30	Study of "Guidance on the assessment of investment analysis"	TUV office
May 01	National Holiday	
May 02	Weekend	
May 03	Weekend	
May 04	Validation of MSW Incineration Project	TUV office
May 05	Validation of MSW Incineration Project	TUV office
May 06	Discussion and summary of MSW Incineration Project	TUV office
May 07	Summary of training	TUV office

Date	Content	Location
May 08	Leaving	

EU China CDM Facilitation Project

Report of 5th DOE Training

- **Training participator**

Ms. Piao Lijing from China Classification Society Certification Company

- **Duration of training**

04/06/2009 – 24/07/2009

- **Location of training**

Cologne

- **Objective of training**

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation

- **Training method**

- Study on CDM methodologies and methodological tools
- Validation of running CDM projects

- **Daily activities**

Date	Content	Location
June 04	Arrival	Cologne
June 05	Study of methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”	Cologne
June 06	Weekend	Cologne
June 07	Weekend	Cologne
June 08	Study of methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity	Cologne

Date	Content	Location
	generation from renewable sources”	
June 09	Study of methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”	Cologne
June 10	Study of methodology ACM0002 “Consolidated baseline methodology for grid-connected electricity generation from renewable sources”	Cologne
June 11	National Holiday	Cologne
June 12	Study of methodological tool ”Tool to calculate the emission factor for an electricity system”	Cologne
June 13	Weekend	Cologne
June 14	Weekend	Cologne
June 15	Study of methodological tool ”Tool to calculate the emission factor for an electricity system”	Cologne
June 16	Study of methodological tool ”Tool to calculate the emission factor for an electricity system”	Cologne
June 17	Study of methodological tool ” Tool for demonstration and assessment of additionality”	Cologne
June 18	Study of methodological tool ” Tool for demonstration and assessment of additionality”	Cologne
June 19	Study of methodological tool ” Tool for demonstration and assessment of additionality”	Cologne
June 20	Weekend	Cologne
June 21	Weekend	Cologne
June 22	Study of Validation and Verification Manual	Cologne

Date	Content	Location
June 23	Study of Validation and Verification Manual	Cologne
June 24	Study of Validation and Verification Manual	Cologne
June 25	Study of Validation and Verification Manual	Cologne
June 26	Study of Validation and Verification Manual	Cologne
June 27	Weekend	Cologne
June 28	Weekend	Cologne
June 29	Validation of CDM project activity “Wind farm extension project for Lafarge’s cement plant in Tétouan	Cologne
June 30	Validation of CDM project activity “Wind farm extension project for Lafarge’s cement plant in Tétouan	Cologne
July 01	Validation of CDM project activity “Wind farm extension project for Lafarge’s cement plant in Tétouan	Cologne
July 02	Validation of CDM project activity “Wind farm extension project for Lafarge’s cement plant in Tétouan	Cologne
July 03	Validation of CDM project activity “Wind farm extension project for Lafarge’s cement plant in Tétouan	Cologne
July 04	Weekend	Cologne
July 05	Weekend	Cologne
July 06	Study of methodology AM0025 “Avoided emissions from organic waste through alternative waste treatment processes”	Cologne
July 07	Study of methodology AM0025 “Avoided emissions from organic waste through alternative waste treatment processes”	Cologne

Date	Content	Location
July 08	Study of methodology AM0025 "Avoided emissions from organic waste through alternative waste treatment processes"	Cologne
July 09	Study of methodological tool "Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site"	Cologne
July 10	Study of methodological tool "Tool to determine methane emissions avoided from disposal of waste at a solid waste disposal site"	Cologne
July 11	Weekend	Cologne
July 12	Weekend	Cologne
July 13	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 14	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 15	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 16	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 17	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 18	Weekend	Cologne
July 19	Weekend	Cologne
July 20	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 21	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne
July 22	Validation of CDM project activity "Qinhuangdao 2*9MW waste to Energy Project"	Cologne

Date	Content	Location
July 23	Summary of training	Cologne
July 24	Leaving	Cologne

EU China CDM Facilitation Project

Report of 6th DOE Training

- **Training participator**

Chen Chunyan from CEPREI Certification Body

- **Duration of training**

03/08/2009 – 25/09/2009

- **Location of training**

Cologne

- **Objective of training**

- Auditing knowledge
- Sectoral scope knowledge
- CDM knowledge on validation

- **Training method**

- Study on CDM methodologies and methodological tools
- Validation of running CDM projects

- **Training given by**

TÜV Rheinland Immissionsschutz und Energiesysteme GmbH, Am Grauen Stein
 51105, Cologne, Germany

- **Daily activity**

Date	Content	Location
August 03	Arrival	
August 04	Study of CDM Methodologies	TUV office
August 05	Study of CDM Methodologies	TUV office

Date	Content	Location
August 06	Study of CDM Methodologies	TUV office
August 07	Study of CDM Methodologies	TUV office
August 08	Weekend	
August 09	Weekend	
August 10	Study of Methodological Tools	TUV office
August 11	Study of Methodological Tools	TUV office
August 12	Study of Methodological Tools	TUV office
August 13	Study of Methodological Tools	TUV office
August 14	Study of Methodological Tools	TUV office
August 15	Weekend	
August 16	Weekend	
August 17	Validation of Hydropower Project	TUV office
August 18	Validation of Hydropower Project	TUV office
August 19	Validation of Hydropower Project	TUV office
August 20	Validation of Hydropower Project	TUV office
August 21	Validation of Hydropower Project	TUV office
August 22	Weekend	
August 23	Weekend	
August 24	Validation of Hydropower Project	TUV office

Date	Content	Location
August 25	Validation of Hydropower Project	TUV office
August 26	Validation of Hydropower Project	TUV office
August 27	Validation of Hydropower Project	TUV office
August 28	Validation of Hydropower Project	TUV office
August 29	Weekend	
August 30	Weekend	
August 31	Validation of Hydropower Project	TUV office
September 01	Validation of Hydropower Project	TUV office
September 02	Validation of Hydropower Project	TUV office
September 03	Validation of Hydropower Project	TUV office
September 04	Validation of Hydropower Project	TUV office
September 05	Weekend	
September 06	Weekend	
September 07	Visitation of Photovoltaic laboratory of TUV Rheinland	TUV office
September 08	Validation of Wind farm extension project for Lafarge's cement plant in Tétouan	TUV office
September 09	Validation of Wind farm extension project for Lafarge's cement plant in Tétouan	TUV office
September 10	Validation of Wind farm extension project for Lafarge's cement plant in Tétouan	TUV office
September 11	Validation of Wind farm extension project for Lafarge's cement plant in Tétouan	TUV office

Date	Content	Location
September 12	Weekend	
September 13	Weekend	
September 14	Validation of SBBC Fuel Switch Project	TUV office
September 15	Validation of SBBC Fuel Switch Project	TUV office
September 16	Validation of SBBC Fuel Switch Project	TUV office
September 17	Validation of SBBC Fuel Switch Project	TUV office
September 18	Validation of SBBC Fuel Switch Project	TUV office
September 19	Weekend	
September 20	Weekend	
September 21	Validation of SBBC Fuel Switch Project	TUV office
September 22	Validation of SBBC Fuel Switch Project	TUV office
September 23	Validation of SBBC Fuel Switch Project	TUV office
September 24	Summary of the training activity	TUV office
September 25	Leaving	