

CTI Capacity Building Seminar for CEE/FSU Countries

Climate Technology and Energy Efficiency Sustainable Pathways to Climate Change Mitigation Policies and Management

Organized by



October 22 – 26, 2005
Hotel Breitenfelder Hof
Leipzig, Germany

Seminar Proceedings

The publisher does not accept responsibility for the correctness, accuracy or completeness of the information, or for the observance of the private rights of third parties. The contents of this publication do not necessarily reflect the official opinions.

Publisher: Environmental Policy Research Centre
Freie Universität Berlin
Hnestr. 22
D-14195 Berlin

Phone: +49 (0)30 838 566 87
Fax: +49 (0)30 838 566 85
Internet: <http://web.fu-berlin.de/ffu/>

Edited by: PD Dr. Lutz Mez
Sybille Tempel, M.A.
Dipl.-Verw.Wiss. Michael Krug
Dipl.-Pol. Harald Mönch

Supported by: Federal Environmental Agency (Umweltbundesamt)
Section I 2.2
Dr. Peter Pichl
Wörlitzer Platz 1
D-06813 Dessau

Phone: +49 (0)340 2103-0
Fax: +49 (0)340 2103-2285
Internet: <http://www.umweltbundesamt.de>

Berlin, November 2005

Table of Contents

Table of Contents	I
Seminar Program	IV
List of Participants	VII
 <i>Session 1 • Introduction and Cross-cutting Issues</i>	
Welcome to the 6th CTI Capacity Building Seminar	1
<i>Elmer C. Holt</i>	
Post-Kyoto Strategies and Framework	4
<i>Franzjosef Schafhausen</i>	
Technology Transfer through the Kyoto Mechanism	9
<i>Toshiyuki Sakamoto</i>	
The Renewable Energy and Energy Efficiency Partnership REEEP	14
<i>Dr. Marianne Moscoso-Osterkorn</i>	
 <i>Session 2 • Socio-economic Dividends of Climate Change Mitigation</i>	
The Forgotten Benefits of Climate Change Mitigation	17
<i>Dr. Hans-Joachim Ziesing</i>	
Sustainable Biomass Energy: Results from Research in Germany	21
<i>Uwe R. Fritsche</i>	
 <i>Workshop 1 • Innovative Biomass Logistics</i>	
Selected Aspects of Biomass Logistics Issues in Poland	30
<i>Prof. Dr. Dariusz Mikieliewicz</i>	
<i>Edmund Wach</i>	
Importance of Integrated Biomass Logistics	43
<i>Dr. Julije Domac</i>	
Cost-efficient Biomass Logistics: Case-studies for Small-scale Projects (Bulgaria) and Large-scale Projects (Bavaria/Germany)	46
<i>Volkmar Schäfer</i>	
Biomass Supply and Utilization in District Heating in Poland	53
<i>Dr. Frank Scholwin</i>	
Workshop 1: Innovative Biomass Logistics	64
<i>Rapporteur: Dr. Julije Domac</i>	

Workshop 2 • Measures for the Building Sector

Developing Contracting Businesses and ESCO Industries in CEE Countries 65

Ralf Goldmann

Housing Renovation Initiative for Energy Saving: Lessons Learned and Opportunities in the Future 69

Ilze Puriņa

Adapting District Heating Networks to Reduced Demand 72

Dimitar Doukov

Information Technology for Climate Protection: A Dialogue-based Campaign 87

Dr. Johannes D. Hengstenberg

Session 3 • Emissions Trading and National Allocation Plans

EU Emissions Trading System in an Enlarged EU 91

Stefan Moser

Implications of the Linking Directive: Market Strategies for CEE/CIS Actors 93

Thomas Forth

Implications of the Linking Directive: Market Strategies for CEE/CIS Countries 98

Dr. Roland Geres

CO2 Trading – Insights from the Trading Floor 101

Tim Czwartynski

Udo Wappler

Implementation of EU Monitoring and Reporting Guidelines : Requirements and Current Practices in Germany 104

Dr. Jürgen Landgrebe

Are the New EU Member States Ready for Kyoto First Commitment Period Trading? 112

Dr. Tiit Kallaste

Session 4 • Kyoto Mechanisms and Capacity Building

The Austrian JI/CDM Programme 116

Alexandra Amerstorfer

Lowering Transaction Costs by Project Bundling: Case Study from Bulgaria 123

Dr. Sven Kolmetz

Small-Scale Project Bundling for Joint Implementation: A Biomass Energy Portfolio for The Czech Republic	129
<i>Michaela Remrova</i> <i>John Vos</i>	
The KfW Carbon Fund: Terms, Application Process and Selection Criteria	135
<i>Jutta Volmer</i>	
Workshop 3 • JI and Green Investment Schemes	
Chances and Risks of AAU Backed Green Investment Schemes	137
<i>Jelmer Hoogzaad</i>	
JI Capacity Building in Ukraine (Takis Project)	140
<i>Dr. Mykola Rapsun</i>	
Verification, Monitoring and Reporting – from a Designated Operational Entity’s Perspective	151
<i>Werner Betzenbichler</i> <i>Thomas Kleiser</i>	
Workshop 3: JI and Green Investment Schemes	153
<i>Rapporteur: Dr. Igor Bashmakov</i>	
Workshop 4 • CDM – Lessons Learned and Future Options	
Unilateral Financing as a Way to Survive on the CDM Market	155
<i>Dr. Liliya Zavyalova</i>	
Nubarashen Landfill Gas Capture and Power Generation Project in Yerevan	165
<i>Dr. Diana Harutyunyan</i> <i>Artem R. Kharazyan</i>	
CDM Capacity Building for Armenia, Azerbaijan, Georgia and Moldova (TACIS Project)	174
<i>Johannes Laubach</i>	
Workshop 4: CDM – Lessons Learned and Future Options	181
<i>Rapporteur: Dr. Kanat Baigarin</i>	
Demand Side Management, Leverages Large Scale Energy Efficiency	183
<i>Hans Nilsson</i>	
The Twinning Programme in the Framework of the German Advising Assistance and the EU Wider Europe Policies	188
<i>Bettina Fellmer</i>	
Panel discussion: The Future of the Kyoto Mechanisms beyond 2012	195
<i>Chair: Dr. Hans-Joachim Ziesing</i>	

Sunday, October 23, 2005

Morning session 09.00 – 09.45

Welcome and opening addresses

Elmer Holt, CTI Executive Committee Chair / US Department of Energy
 Franzjosef Schafhausen, Head of Climate Protection Program,
 Federal Ministry for the Environment, Nature Conservation and Nuclear Safety
 Angelika Freifrau von Fritsch, Head of Department of Environment, City of Leipzig

Introduction and cross-cutting issues

Chair: Christoph Erdmenger
 Federal Environmental Agency, Dessau

09.45 – 10.15

Post-Kyoto strategies and framework (2nd commitment period)
 Franzjosef Schafhausen, Head of Climate Protection Programme,
 Federal Ministry for the Environment, Nature Conservation and Nuclear Safety

10.15 – 10.45

Technology transfer through the Kyoto Mechanism
 Toshiyuki Sakamoto, Ministry of Economy, Trade and Industry, Japan / CTI

11.15 – 11.45

The Renewable Energy and Energy Efficiency Partnership REEEP
 Dr. Marianne Moscoso-Osterkorn, REEEP

11.45 – 12.15

Discussion

Afternoon session

*Socio-economic dividends of climate change mitigation projects:
 Job creation and regional development and innovation*

Chair: PD Dr. Lutz Mez
 Environmental Policy Research Centre, Freie Universität Berlin

14.00 – 14.30

The forgotten benefits of climate change mitigation
 Dr. Hans-Joachim Ziesing, German Institute for Economic Research, Berlin

14.30 – 15.00

Sustainable biomass energy: Results from research in Germany
 Uwe Fritsche, Öko-Institut Darmstadt

15.00 – 17.00

Workshop 1: Innovative biomass logistics

Moderator: Uwe Fritsche, Öko-Institut Darmstadt
 Presenters: Dr. Dariusz Mikielwicz, Gdańsk Technological University:
Selected aspects of biomass logistics related issues in Poland
 Dr. Julije Domac, Energy Institute "Hrvoje Požar", Zagreb:
Importance of integrated biomass logistics: Example of Karlovac county
 Volkmar Schäfer, eta energy-consulting, Pfaffenhofen:
*Cost-efficient biomass logistics: case-studies for small scale projects
 (Bulgaria) and large-scale projects (Bavaria/Germany)*
 Dr. Frank Scholwin, Institut für Energetik und Umwelt Leipzig:
Biomass supply and utilization in district heating in Poland
 Rapporteur: Dr. Julije Domac, Energy Institute "Hrvoje Požar", Zagreb

15.00 – 17.00

Workshop 2: Measures for the building sector

Moderator: PD Dr. Lutz Mez, Environmental Policy Research Centre, FU Berlin
 Presenters: Ralf Goldmann, Berliner Energieagentur:
Developing contracting businesses and ESCO industries in CEE countries
 Dr. Ilze Puriņa, Environment Investment Fund, Latvia:
Building refurbishment: The case of Latvia
 Dimitar Doukov, EnEffect, Sofia:
Adapting district heating networks to reduced demand
 Dr. Johannes D. Hengstenberg, co2:online gGmbH, Berlin
Information technology for climate protection: A dialogue based campaign
 Rapporteur: Lena Bratić, Center for Energy Efficiency, Sarajevo

17.30 – 18.15

Workshop summaries and plenary discussion
 Rapporteur Workshop 1: Dr. Julije Domac
 Rapporteur Workshop 2: Lena Bratić
 Discussion

Monday, October 24, 2005

Morning session

Emissions Trading and National Allocation Plans: The follow-up

Chair: Dr. Jürgen Landgrebe, Federal Environmental Agency DEHSt, Berlin

- | | |
|---------------|---|
| 09.00 – 09.25 | <i>EU Emissions Trading System in an enlarged EU: Lessons learned</i>
Stefan Moser, European Commission, DG Environment |
| 09.25 – 10.15 | <i>Implications of the Linking Directive: Market strategies for CEE/CIS actors</i>
Thomas Forth, Federal Ministry for the Environment, Nature Conservation
and Nuclear Safety, Germany
Dr. Roland Geres, FutureCamp GmbH, Munich |
| 10.15 – 10.40 | <i>CO₂ trading: insights from the trading floor</i>
Udo Wappler, EEX European Energy Exchange AG, Leipzig |
| 11.10 – 11.35 | <i>Implementation of EU Monitoring and Reporting Guidelines -
Requirements and current practices in Germany</i>
Dr. Jürgen Landgrebe, DEHSt Berlin |
| 11.35 - 1200 | <i>Are the new member states ready for Kyoto first commitment period trading?</i>
Dr. Tiit Kallaste, Stockholm Environment Institute SEI, Tallinn |
| 12.00 – 12.30 | <i>Discussion</i> |

Afternoon session

- | | |
|---------------|--|
| 13.45 – 17.00 | <i>Excursion by bus to the solar power station Espenhain</i>
Guided tour with Hans-Jörg Koch, GeoSol Betriebsführungsgesellschaft mbH, Berlin |
| 18.00 – 20.00 | <i>Sight-seeing in Leipzig (individual)</i> |
| 20.00 | <i>Dinner in "Ratskeller" in Leipzig</i> |

Tuesday, October 25, 2005

Morning session

Kyoto Mechanisms and capacity building

Chair: Marina Olshanskaya, UNDP

- | | |
|---|---|
| 09.00 – 09.20 | <i>The Austrian JI / CDM Programme</i>
Alexandra Amerstorfer, Kommunalkredit Public Consulting GmbH, Vienna |
| 09.20 – 09.40 | <i>Lowering transaction costs by project bundling: Case study from Bulgaria</i>
Dr. Sven Kolmetz, eta energy-consulting, Pfaffenhofen |
| 09.40 – 10.00 | <i>Small-scale project bundling for JI: A biomass energy portfolio for the CZ</i>
Michaela Remrová, BTG Central Europe, Prague |
| 10.00 – 10.20 | <i>The KfW Carbon Fund</i>
<i>Terms, application process and selection criteria</i>
Jutta Volmer, Kreditanstalt für Wiederaufbau, Frankfurt am Main |
| 10.50 – 13.00 | Workshop 3: JI and Green Investment Schemes
<div style="border-left: 1px solid black; padding-left: 10px; margin-left: 10px;"> <p>Moderator: Jelmer Hoogzaad, Climate Focus, Rotterdam</p> <p>Presenters: Jelmer Hoogzaad, Climate Focus, Rotterdam:
 <i>Chances and risks of AAU backed Green Investment Schemes</i>
 Dr. Mykola V. Rapsun, ARENA Eco, Kiev:
 <i>JI capacity building for Ukraine: The TACIS project</i>
 Thomas Kleiser, TÜV SÜD:
 <i>Verification, monitoring and reporting from a DOE's perspective</i></p> <p>Rapporteur: Dr. Igor Bashmakov, CENef, Moscow</p> </div> |
| 10.50 – 13.00 | Workshop 4: CDM - Lessons learned and future options
<div style="border-left: 1px solid black; padding-left: 10px; margin-left: 10px;"> <p>Moderator: Dr. Liliya Zavyalova, Technology Transfer Agency, Uzbekistan (tbc)</p> <p>Presenters: Dr. Liliya Zavyalova, Technology Transfer Agency, Uzbekistan:
 <i>Unilateral financing as a way to survive in the CDM market</i>
 Dr. Diana Harutyunyan, Ministry of Nature Protection, Armenia:
 <i>The Nubarashen landfill gas capture and power generation project</i>
 Johannes Laubach, Fichtner GmbH, Stuttgart:
 <i>CDM capacity building for Armenia, Azerbaijan, Georgia and Moldova</i></p> <p>Rapporteur: Dr. Kanat Baigarin, Climate Change Coordination Center, Kazakhstan</p> </div> |
| 14.00 – 14.45 | <i>Plenary discussion</i>
Rapporteur Workshop 3: Dr. Igor Bashmakov
Rapporteur Workshop 4: Dr. Kanat Baigarin
Discussion |
| 14.45 – 15.15 | <i>Demand Side Management: A way to leverage large scale energy efficiency</i>
Hans Nilsson, International Energy Agency, Paris |
| 15.15 – 15.45 | <i>The Twinning Programme in the framework of the German Advising Assistance and the EU wider Europe policies</i>
Bettina Fellmer, Gesellschaft für Technische Zusammenarbeit GTZ, Berlin |
| <h3 style="color: #00AEEF;">Panel discussion: The future of the Kyoto Mechanisms beyond 2012</h3> <p>Chair: Dr. Hans-Joachim Ziesing
German Institute for Economic Research, Berlin</p> | |
| 16.15 – 16.30 | <i>Opening remarks and viewpoint by the chairman</i> |
| 16.30 - 17.15 | <i>Statements and panel discussion</i>
Panelists: Alexandra Amerstorfer, Kommunalkredit Public Consulting, Vienna
Hans Nilsson, IEA DSM Programme, Paris,
Dr. Mykola V. Rapsun, ARENA Eko, Kiev
Franzjosef Schafhausen, Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, Germany |
| 17.15 – 18:00 | <i>Open-round discussion • Seminar conclusions and proposals for the next seminar</i>
Dr. Peter Pichl, Federal Environmental Agency, Dessau |

List of Participants

Ms. Alexandra Amerstorfer Kommunalkredit Public Consulting GmbH	Address: Türkenstr. 9 1092 Vienna Austria Phone: +43 1 31 631 Fax: +43 1 31 631 104 E-Mail: a.amerstorfer@kommunalkredit.at	
Mr. Elman Bahadirov CEO & President Total Energy Renewables	Address: Villa Electra 1, sharifzadeh str. 370138 Baku Azerbaijan Phone: +99 412 448 10 89 Fax: +99 412 448 10 88 E-mail: solarpower@artel.net.az	
Dr. Kanat Baigarin Director Climate Change Coordination Centre	Address: 48 Abai Street, Room 102 473000 Astana Republic of Kazakhstan Phone: +7 3172 7171 70/69/73 Fax: +7 3172 3247 38 E-mail: kbaigarin@climate.kz	
Ms. Bianca Barth Environmental Policy Research Centre Freie Universität Berlin	Address: Ihnestr. 22 14195 Berlin Germany Phone: +49 30 8385 66 89 Fax: +49 30 8385 6685 E-mail: bibarth@zedat.fu-berlin.de	
Dr. Igor A. Bashmakov Executive Director CENef Centre for Energy Efficiency	Address: 61, Novocheremushkinskaya St. 117418 Moscow, P. Box 30 Russian Federation Phone: +7-095 128 8491, 120 92 09 Fax: +7-095 128 9353 E-mail: cenef@online.ru cenef-mailbox@mtu-net.ru	
Ms. Marika Blumberga Department of Energy Systems and Environment Riga Technical University	Address: Kronvalda Bulvard 1 1010 Riga Latvia Phone: +371 7 02 65 70 Fax: E-mail: marika@ekodoma.lv	

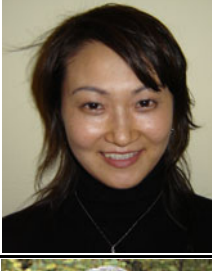
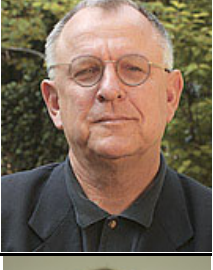
List of Participants

Ms. Lena Bratić President Center for Energy Efficiency (CEEf)	Address: Cemerlina 18 71000 Sarajevo Bosnia-Herzegovina Phone: +387 33 571 620, mob. +387 61 377 691 Fax: +387 33 571 620 E-mail: alliance@bih.net.ba	
Ms. Ruta Bubniene Center for Environmental Policy	Address: Jozapaviciaus Str. 6/2 2005 Vilnius Lithuania Phone: +370 5 272 89 36 / +370 2 727 152 Fax: +370 5 272 89 61 E-mail: ruta@aapc.lt	
Mr. Terry Carrington Department of Trade and Industry	Address: Bay 291, 1 Victoria Street London SW1H 0ET United Kingdom Phone: +44 20 7215 5332 Fax: +44 20 7215 2890 E-mail: terry.carrington@dti.gsi.gov.uk	
Dr. Julije Domac Energy Institute 'Hrvoje Požar'	Address: Savska 163 P.B. 141 10001 Zagreb Croatia Phone: +385-1-632-6109 Fax: +385-1-604-0599 E-mail: jdomac@eihp.hr	
Ms. Claudia Domel Project Manager CEE ITUT e.V.	Address: Euro-Asia Business Center Messeallee 2 04356 Leipzig Germany Phone: +49 341 60 87-248 Fax: +49 341 60 87-210 E-mail: domel@itut-ev.org	
Mr. Dimitar Doukov Financial/ Economic Analyst EnEffect – Center for Energy Efficiency	Address: P.O. Box 43 1164 Sofia Bulgaria Phone: +359 2 963 2169 Fax: +359 2 963 2574 E-mail: ddoukov@eneffect.bg	
Mr. Heiko Ebeling Project Manager SEE ITUT e.V.	Address: Euro-Asia Business Center Messeallee 2 04356 Leipzig Germany Phone: +49 341 60 87-204 Fax: +49 341 60 87-210 E-mail: ebeling@itut-ev.org	

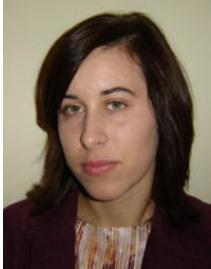
List of Participants

Mr. Christoph Erdmenger Head of Energy Policy and Supply Technologies 1 4.2 Federal Environmental Agency	Address: Wörlitzer Platz 1 06844 Dessau Germany Phone: +49 340 2103 2574 Fax: +49 340 2104 2574 E-mail: christoph.erdmenger@uba.de	
Ms. Maryia Fedasiuk RUP "Belinvestenergosberezhenie"	Address: 13a Revolutsionnaya str 220030 Minsk Belarus Phone: +375 17 284 2699 Fax: +375 17 284 0088 E-mail: voitekhovich@niks.by biomass@un.minsk.by	
Ms. Bettina Fellmer Gesellschaft für Technische Zusammenarbeit GTZ	Address: Wilhelmstr. 97 10117 Berlin Germany Phone: +49 30 2242 4894 Fax: +49 30 2242 2659 E-mail: bettina.fellmer@gtz.de	
Mr. Karl Fiala Federal Ministry for Economic Affairs	Address: Stubenring 1 1011 Vienna Austria Phone: +43 1 711 00 5967 Fax: +43 1 711 00 2203 E-mail: karl.fiala@bmwa.gv.at	
Mr. Thomas Forth Federal Ministry for the Environment, Nature Conservation and Nuclear Safety	Address: Alexanderplatz 6 10178 Berlin Germany Phone: +49 30 28 550 3660 Fax: +49 30 28 550 2349 E-mail: thomas.forth@bmu.bund.de	
Mr. Uwe Fritsche Öko-Institut Darmstadt	Address: Rheinstr. 95 64295 Darmstadt Germany Phone: +49 6151 8191 24 Fax: +49 6151 8191 33 E-mail: u.fritsche@oeko.de	
Dr. Roland Geres FutureCamp GmbH	Address: Chiemgaustr. 116 81549 München Germany Phone: +49 89 68 008 330 Fax: +49 89 68 008 333 E-mail: Roland.Geres@future-camp.de	

List of Participants

Mr. Ralf Goldmann Berliner Energieagentur GmbH	Address: Rudolfstr. 9 10245 Berlin Germany Phone: +49 30 29 33 30 31 Fax: +49 30 33 30 99 E-mail: goldmann@berliner-e-agentur.de	
Mr. Simon Craig Gray Deputy Director EU-Japan Centre for Industrial Cooperation, Brussels Office	Address: 52 rue Marie de Bourgogne, Bte 2 1000 Brussels Belgium Phone: +32 2 282 0047 Fax: +32 2 282 0045 E-mail: simon@eujapan.com	
Ms. Diana Harutyunyan Project Coordinator Ministry of Nature Protection of the Republic of Armenia	Address: Moscovian str. 35 375002 Yerevan Armenia Phone: +374 10 58 39 20 Fax: +374 10 58 39 33 E-mail: diana@undp.am diana@nature.am	
Mr. Naoyuki Hasegawa Deputy Director EU-Japan Centre for Industrial Cooperation	Address: Nikko Ichibancho Bldg. 4F 13-3, Ichibancho, Chiyoda-ku Tokyo 102-0082 Japan Phone: +81 3 3221 6161 Fax: +81 3 3221 6226 E-mail: hasegawa@eujapan.gr.jp	
Ms. Kaori Hayashi International Center for Environmental Technology Transfer (ICETT) Officer CTI Programme Secretariat	Address: 3690-1, Sakura-cho, Yokkaichi 512-1211 Mie Japan Phone: +81-593-29-3500 Fax: +81-593-29-8115 E-mail: hayashi@icett.or.jp	
Dr. Johannes D. Hengstenberg co2online gGmbH	Address: Hochkirchstr. 9 10829 Berlin Germany Phone: +49 30 7676 85-29 Fax: +49 30 7676 85-11 E-mail: johannes.hengstenberg@co2online.de	
Mr. Elmer Holt Office of Policy and International Affairs US Department of Energy	Address: PI 44, Room 7H049 1000 Independence Avenue SW, Washington, D.C. 20585 United States of America Phone: +1 202 586 0714 Fax: +1 202 586 5391 E-mail: elmer.holt@hq.doe.gov	

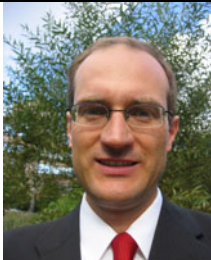
List of Participants

Mr. Jelmer Hoogzaad Associate Climate Focus	Address: Minervahuis III, Rodezand 34 3011 AN Rotterdam The Netherlands Phone: +31 10 217 59 91 Fax: +31 10 217 59 90 E-mail: j.hoogzaad@climatefocus.com	
Ms. Vanja Jakšić Center for Energy Efficiency (CEEf)	Address: Cemerlina 18 71000 Sarajevo Bosnia-Herzegovina Phone: +387 33 571 620 Fax: +387 33 571 620 E-Mail: alliance@bih.net.ba	
Ms. Agnieszka Janowska Ministry of the Environment Department for Environmental Instruments	Address: Ul. Wawelska 52/54 00-922 Warsaw Poland Phone: +48 22 579 24 66 Fax: +48 22 579 22 17 E-Mail: agnieszka.janowska@mos.gov.pl	
Ms. Claudia Jianu Terra Milenium III Project Coordinator	Address: Calea Plevnei 46-48, corp. C, et. 1 camera D, sector 1 Bucharest Romania Phone: +40 21 312 6870 Fax: +40 21 312 6870 E-mail: claudia.terra@newsys.ro	
Dr. Tiit Kallaste Climate, Energy, Atmosphere Programme Director Stockholm Environment Institute Tallinn Centre, SEI-T Estonia	Address: Box 160 10502 Tallinn Estonia Phone: +372 6 276 103 Fax: +372 6 276 101 E-Mail: tiit@seit.ee	
Mr. Thomas Kleiser Carbon Management Service TÜV Industrie Service GmbH TÜV SÜD Group	Address: Westendstraße 199 80686 München Germany Phone: +49 89 5791-1186 Fax: +49 89 5791-2756 E-mail: thomas.kleiser@tuev-sued.de	
Dr. Sven Kolmetz eta energy-consulting, Pfaffenhofen	Address: Raiffeisenstr. 19 85276 Pfaffenhofen Germany Phone: +49 8441 49 46 Fax: +49 8441 49 46 40 E-Mail: Sven.Kolmetz@eta-energieberatung.de	

List of Participants

Mr. Evald Kranjčević Institute Jožef Stefan Energy Efficiency Centre	Address: Jamova 39 1000 Ljubljana Slovenia Phone: +386 1 588 5403 Fax: +386 1 561 2335 E-mail: evald.kranjcevic@ijs.si	
Mr. Michael Krug Research Associate FFU Environmental Policy Research Centre, Free University of Berlin	Address: Ihnestr. 22 14195 Berlin Germany Phone: +49 4559-188 670 Fax: +49 30 8385-6685 E-mail: mikrug@t-online.de	
Mr. Taiki Kuroda CTI Programme Secretariat International Center for Environmental Technology Transfer (ICETT)	Address: 3690-1, Sakura-cho, Yokkaichi 512-1211 Mie Japan Phone: +81-593-29-3500 Fax: +81-593-29-8115 E-mail: kuroda@icett.or.jp	
Prof Morihiro Kurushima CTI Program Manager/ Toyo University, Department of Regional Development Studies/ NEDO	Address: 1-1-1 Izumino, Itakuramachi 374-0193 Oura-gun, Gunma-Prefecture Japan Phone: +81 3 3987 9168 Fax: +81 3 5391 1744 E-mail: kurushima@toyonet.toyo.ac.jp kurushimaMr.h@nedo.go.jp	
Ms. Teija Lahti-Nuuttila National Technology Agency of Finland (Tekes)	Address: Kyllikinportti 2, P.O. Box 69 00101 Helsinki Finland Phone: +358 10 521 5873 Fax: +358 10 521 5905 E-mail: teija.lahti-nuuttila@tekes.fi	
Dr. Jürgen Landgrebe Head of Department "Energy Sector Allocations, Reserve Management, and Registry" Federal Environmental Agency German Emissions Trading Authority	Address: Bismarckplatz 1 14193 Berlin Germany Phone: +49 30 8903 21 42 Fax: +49 30 8903 29 06 E-mail: juergen.landgrebe@uba.de	
Mr. Johannes Laubach Fichtner GmbH & Co. KG	Address: Sarweystr. 3 70191 Stuttgart Germany Phone: +49 711 8995 589 Fax: +49 711 8995 459 E-mail: LaubachJ@fichtner.de	

List of Participants

PD Dr. Lutz Mez Managing Director FFU Environmental Policy Research Centre, Free University of Berlin	Address: Ihnestr. 22 14195 Berlin Germany Phone: +49 30 8385 5585 Fax: +49 30 8385 6685 E-mail: umwelt1@zedat.fu-berlin.de	
Prof Dariusz Mikielwicz Technical University of Gdańsk Faculty of Mechanical Engineering	Address: 11/12 ul. Narutowicza 80 952 Gdańsk Poland Phone: +48 608 695 336 Fax: E-mail: dmikiele@pg.gda.pl	
Dr. Marianne Moscoso-Osterkorn Renewable Energy and Energy Efficiency Partnership REEEP	Address: Wagramerstr. 5 1400 Vienna Austria Phone: +43 1 26026 3679 Fax: +43 1 21346 3678 E-Mail: Marianne.Osterkorn@reeep.org	
Mr. Stefan Moser European Commission DG Environment, Unit C.2 (Climate, Ozone and Energy)	Address: Avenue de Beaulieu 5 1160 Brussels Belgium Phone: +32 2 296 58 80 Fax: +32 2 296 99 70 E-Mail: Stefan.Moser@cec.eu.int	
Dr. Frank Mourits Senior Advisor, Climate Change Technologies Office of Energy Research and Development Energy Policy Sector	Address : 580 Booth Street, 11th floor, Area D9 Ottawa, Ontario, K1A OE4 Canada Phone : +1 613 947 3482 Fax : +1 613 995 6146 E-mail : fmourits@nrcan.gc.ca	
Mr. Hans Nilsson International Energy Agency DSM Programme	Address : 9, rue de la Fédération 75739 Paris Cedex 15 France Phone : +33 1 40 57 65 00/01 Fax : +33 1 40 57 65 59 E-mail : nosslinh@telia.com	
Ms. Marina Olshanskaya UNDP Regional Bureau for Europe and the CIS – Bratislava Regional Centre	Address: Grosslingova 35 81109 Bratislava Slovak Republic Phone: Fax: E-mail: marina.olshanskaya@undp.org	

List of Participants

Dr. Peter Pichl Federal Environmental Agency Energy Policy and Supply Technologies I 4.2	Address: Wörlitzer Platz 1 06844 Dessau Germany Phone: +49 340 2103 2668 Fax: +49 340 2104 2668 E-mail: peter.pichl@uba.de	
Ms. Carrie Pottinger International Energy Agency CTI Desk Officer	Address: 9, rue de la Fédération 75739 Paris Cedex 15 France Phone: +33 14057 67 Fax: +33 14057 67 E-mail: Carrie.POTTINGER@iea.org	
Dr. Ilze Puriņa Environment Investment Fund	Address: Gertrudes iela 10/12 1010 Riga Latvia Phone: +371-7845200 Fax: E-mail: Ilze.Purina@lvif.gov.lv	
Dr. Mykola V. Rapsun Agency for Rational Energy Use and Ecology ARENA Eco	Address: 1 Laboratorny Str., P.O. Box 48 01133 Kyiv Ukraine Phone: +380 44 268 8088 Fax: +380 44 268 8451 E-mail: arena@arena-eco.kiev.ua	
Ms. Michaela Remrová BTG Central Europe s.r.o.	Address: Korunní 79 130 00 Praha 3 Czech Republic Phone: +420 2 22 826 521, mob. +420 777 585 788 Fax: +420 2 22 826 522 E-mail: michaela.remrova@btg.cz	
Mr. Toshiyuki Sakamoto Ministry of Economy, Trade and Industry METI	Address: 1-3-1, Kasumigaseki, Chiyoda-ku 100-8901 Tokyo Japan Phone: +81 3 3501 7830 Fax: +81 3 3501 7697 E-Mail: sakamoto-toshiyuki@meti.go.jp	
Mr. Volkmar Schäfer eta energy-consulting, Pfaffenhofen	Address: Raiffeisenstr. 19 85276 Pfaffenhofen Germany Phone: +49 8441 49 46 31 Fax: +49 8441 49 46 40 E-mail: Volkmar.Schaefer@eta-energieberatung.de	

List of Participants

Mr. Franzjosef Schafhausen Head of Division Z II 6 Climate Protection Programme of the Federal Government, Environment and Energy Division Federal Ministry for the Environment, Nature Conservation and Nuclear Safety	Address: Alexanderplatz 6 10178 Berlin Germany Phone: +49 30 28 550 3660 Fax: +49 30 28 550 2349 E-mail: franzjosef.schafhausen@bmu.bund.de	
Dr. Frank Scholwin Institut für Energie und Umwelt	Address: Torgauer Str. 116 04347 Leipzig Germany Phone: +49 341 2434 438 Fax: +49 341 2434 433 E-Mail: frank.scholwin@ie-leipzig.de	
Mr. Evgeni Smolovitsch Fichtner GmbH & Co. KG	Address: Sarweystr. 3 70191 Stuttgart Germany Phone: +49 711 8995 476 Fax: +49 711 8995 459 E-mail: SmolovitschE@fichtner.de	
Ms. Meike Söker Federal Environmental Agency	Address: Wörlitzer Platz 1 06844 Dessau Germany Phone: +49 340 3203 2139 Fax: +49 340 2104 2139 E-mail: meike.soeker@uba.de	
Mr. Miroslav Spasojević Assistant Director for International Cooperation and European Integration Ministry of Science and Environmental Protection	Address: Omladinici Brigada 1 Novi Beograd Serbia and Montenegro Phone: +381 11 313 1355 Fax: +381 11 313 1356 E-mail: miroslav.spasojevic@ekoserb.sr.gov.yu	
Mrs. Sybille Tempel Research Fellow FFU Environmental Policy Research Centre, Freie Universität Berlin	Address: Ihnestr.22 14195 Berlin Germany Phone: +49 30 8385 49 90 Fax: +49 30 8385 66 85 E-mail: sytempel@zedat.fu-berlin.de	
Ms. Katerina Valisova BTG Central Europe s.r.o.	Address: Balbinova 8 120 00 Prague 2 Czech Republic Phone: +420 2 22 826 521 Fax: +420 2 22 826 522 E-Mail: katerina.valisova@btg.cz	

List of Participants

Ms. Jutta Volmer Senior Project Manager Kreditanstalt für Wiederaufbau (KfW)	Address: Palmengartenstr. 5-9 60325 Frankfurt/Main Germany Phone: +49 69 7431-3265 Fax: +49 69 7431 4775 E-mail: jutta.volmer@kfw.de	
Mr. Udo Wappler European Exchange AG EEX	Address: Neumarkt 9-19 04109 Leipzig Germany Phone: +49 341 2156 551 Fax: +49 341 2156 109 E-mail: udo.wappler@eex.de	
Mr. Frank Zander Head of Department "Climate Change Management" Institute for Energy and Environment	Address: Torgauer Straße 116 04347 Leipzig Germany Phone: +49 341 2434.431 Fax: +49 341 2434.433 E-mail: frank.zander@ie-leipzig.de	
Dr. Liliya V. Zavyalova Leader Expert Technology Transfer Agency	Address: 13, Movarounnahr Str. 700047 Tashkent Republic of Uzbekistan Phone: +998 71 139 48 07 Fax: +998 71 136 10 71/139 49 17 E-mail: zavililya@mail.ru	
Mrs. Odeta Prifti Zheku Program Information & Assistant UNDP/GEF Program for Climate Change Ministry of Environment	Address: Rruga "Duresit", No. 27 Tirana Albania Phone: +355 4225 101 Fax: +355 4225 101 E-mail: ccalb@icc-al.org	
Dr. Hans-Joachim Ziesing Senior Executive Division Energy, Traffic, Environment German Institute for Economic Research (DIW)	Address: Königin-Luise-Str. 5 14195 Berlin Germany Phone: +49 30 897 89 683 Fax: +49 30 897 89 200 E-mail: hziesing@diw.de	