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**ECONOMIC COMMISSION FOR EUROPE**

**EXECUTIVE BODY FOR THE CONVENTION ON LONG-RANGE  
TRANSBOUNDARY AIR POLLUTION**

Steering Body to the Cooperative Programme for Monitoring and Evaluation  
of the Long-range Transmission of Air Pollutants in Europe (EMEP)

Thirty-fourth session  
Geneva, 13–15 September 2010  
Item 11 of the provisional agenda

**FINANCIAL AND BUDGETARY MATTERS**

Note by the secretariat

1. This note presents the status of contributions by Parties to the 1984 Protocol on Long-term Financing of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP Protocol). It reports on the use of resources in 2009 and sets out the proposed budget for the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe (EMEP) for the year 2011. The note also presents the calculated schedule of mandatory contributions for 2011.

**I. STATUS OF THE TRUST FUND, CONTRIBUTIONS IN KIND  
AND VOLUNTARY CONTRIBUTIONS**

2. The contributions paid by the Parties to the Convention for the long-term financing of EMEP as of 24 June 2010 are summarized in table 1 below. They include both the mandatory contributions from the Parties to the EMEP Protocol within the geographic scope of EMEP and the voluntary contributions from Canada and the United States of America as Parties outside the geographic scope of EMEP. As of 24 June 2010, the EMEP Protocol had 43 Parties. The most recent Party to the Convention to accede to the EMEP Protocol was the Former Yugoslav Republic of Macedonia (in March 2010).

3. As detailed in table 1, payments in cash in 2010 totalling US\$ 1,201,254 had been received by 24 June 2010. The expected contributions for 2010 from Belgium, Belarus, France, Germany, Greece, Malta, Romania, Serbia and Ukraine in cash to the trust fund were still outstanding.

4. In addition to the contributions summarized in table 1, voluntary extrabudgetary contributions directly to the centres have been allocated over several years. In the period 1994-2008, the Meteorological Synthesizing Centre-West (MSC-W) received in total the equivalent of US\$ 12,551,799 from Norway, the United Kingdom of Great Britain and Northern Ireland and through projects financed by the Nordic Council of Ministers and the European Community. In 2009, MSC-W received extrabudgetary contributions (directly from its host institution, the Norwegian Meteorological Institute) totalling US\$ 1,032,049. In the period 1994-2008, the Chemical Coordinating Centre (CCC) received in total the equivalent of US\$ 2,408,102 from its host institution, the Norwegian Institute for Air Research (NILU). In 2009, CCC received from NILU the equivalent of US\$ 317,000. In the period 2001-2008, the Meteorological Synthesizing Centre-East (MSC-E) received US\$ 30,000 from the World Meteorological Organization. It also received US\$ 120,000 from the Arctic Monitoring and Assessment Programme (AMAP) in the biennium 2001-2002 and US\$ 4,400 from the Working Group on Environmental Monitoring of the United Nations Economic Commission for Europe in 2003. In the period 2004-2005, MSC-E received a total of US\$ 82,430 from the European Commission. In 2005, it received \$28,144 from Germany. In 2006, MSC-E received US\$ 9,480 from United Nations Environment Programme (UNEP) Chemicals and US\$ 18,184 from the Baltic Marine Environment Protection Commission (HELCOM). In the biennium 2007-2008, MSC-E received a total of US\$ 158,223 through projects financed by the United Nations Development Account, the European Commission, the OSPAR Commission for the Protection of the Marine Environment of the North-East Atlantic, HELCOM and UNEP. In 2009, MSC-E received a total of US\$ 20,522 from HELCOM and from the European Union.

5. According to the payment records of the secretariat, the total arrears in cash and in kind by 2009 stood at US\$ 382,027, of which US\$ 65,833 were outstanding payments in cash. Romania had not paid its contributions for 2006, 2007, 2008 and 2009. Germany had partial payments outstanding for 2008 and 2009, and France for 2008. At the twenty-fifth session of the Executive Body in 2007, the delegations of Germany and France expressed their reservations regarding the 10-per-cent increase for the EMEP budget and regarding their contributions for 2008, which, in their view, represented a disproportionate share of the budget (ECE/EB.AIR/91, para. 110). The Executive Body took note of the reservations and encouraged Germany and France to take steps to lift their reservations. At the twenty-sixth session of the Executive Body, in 2008, Germany reaffirmed its reservation with regard to its contribution for 2009, and was again encouraged by the Executive Body to lift it as soon as possible (ECE/EB.AIR/96, paras. 105 and 106 (e)). In 2008, Germany paid a contribution of US\$ 447,860 and in 2009 a contribution of US\$ 448,447, instead of its assessed contribution of US\$ 459,170. In 2008, France paid US\$ 307,220 instead of US\$ 337,320. In 2009, France paid the full amount of US\$ 337,320, but did not cover its arrears from 2008.

6. The remaining amount of US\$ 316,194 consists of arrears of Ukraine for 1992, 1993, 1994, 1996, 1997, 1998, 1999, 2000 and 2001, to be contributed in kind through the implementation of two separate projects. The arrears for the period 1992-1995 (equivalent to

US\$ 140,989) had originally been aimed to develop a national model for the environmental impact assessment of heavy metals. However, in 2008, the Steering Body, in agreement with the representative of Ukraine, had concluded that that project was no longer of the same relevance and had requested Ukraine to propose a new focus for it at the Executive Body's twenty-sixth session, in 2008. In spite of this, in 2009, the delegation of Ukraine informed the Steering Body that it had now completed a "Project on Development of National Model of Estimation of Heavy Metals Emissions Impact on Environment of Ukraine for 1992–1994" in order to cover the first part of its arrears. At the request of the Chair of the Steering Body, it also provided written information on this project to the Bureau to the Steering Body at its meeting held on 2 and 3 March 2010. The Bureau recommended that further details on the project be presented to the Task Force on Measurements and Modelling at its eleventh meeting from 13 to 14 May 2010 in Larnaca, Cyprus, for discussion and feedback by experts, e.g., with respect to the comparability with and benefits of the Ukrainian model to the modelling and assessment work of EMEP. The Task Force was invited to recommend to the Steering Body at its thirty-fourth session in September 2010 whether the contribution could be approved.

7. The Task Force on Measurements and Modelling considered the new national model for mapping air concentrations and deposition of heavy metals that had been presented to it by the Ukrainian representative and expressed its satisfaction with the work carried out (see ECE/EB.AIR/2010/3). It deemed that that work provided useful information for EMEP on emission inventories of heavy metals and national modelling in Ukraine. Consequently, the Task Force recommended that its outcomes be submitted in 2010 to the EMEP Steering Body for approval and for recommending to the Executive Body to conclude that through that work Ukraine had covered its arrears to EMEP for the period 1992–1995 (equivalent to US\$ 140,989).

8. The second part of the Ukrainian arrears to EMEP, equivalent to US\$ 175,205, were to be covered through a project to establish an international benchmark station for EMEP background monitoring in close cooperation with CCC. However, since the approval of the project by the Steering Body at its twenty-eighth session in 2004, little progress had been made in implementing it. Although at its thirty-second session, in 2008, the Steering Body had been informed that dialogue between Ukraine and CCC had finally led to the identification of a location site (Trudovoye) that met all criteria, and that implementation of the project could proceed, the project had not been started. CCC had since sent an official letter to Ukraine to inquire about progress on the project, but had not received a reply. In March 2010, the Bureau to the Steering Body was informed that the Ukrainian Ministry of Environmental Protection would continue its efforts to establish the station after the adoption of the Ukrainian State Budget of 2010. The Bureau urged Ukraine to communicate with CCC, as well as to provide it with the contact details of an English-speaking focal point to facilitate further cooperation (ECE/EB.AIR/GE.1/2010/9, para. 22).

## II. USE OF RESOURCES BY THE CENTRES IN 2009

9. Table 2 below presents a summary of the use of resources by CCC, MSC-E and MSC-W. This overview is based on the detailed information prepared by the centres and presented to the EMEP Bureau in March 2010.

10. Much of the work of EMEP relies on extrabudgetary contributions. The extrabudgetary resources listed in paragraph 4 above were used to supplement resources provided through

mandatory contributions in all areas of work. CCC used additional resources mainly for particulate matter, acid deposition and persistent organic pollutant measurements. MSC-W used extrabudgetary contributions to cover 51 per cent of its expenditures in 2009. They were provided as contributions in kind from Norway and covered by the Norwegian Meteorological Institute. Most of the work of the Centre for Integrated Assessment Modelling (CIAM) was financed through non-EMEP sources. MSC-E used the extrabudgetary funds it received mainly for the modelling of heavy metals and persistent organic pollutants (POPs).

### **III. BUDGET AND MANDATORY CONTRIBUTIONS FOR 2011**

11. At its twenty-fifth session, the Executive Body decided, based upon the recommendation by the EMEP Steering Body, to increase the EMEP budget for the period 2008–2010 to \$2,358,700. It decided to apply the 2007 United Nations scale of assessments as a basis for calculating the EMEP scale of mandatory contributions from 2007 onwards.

12. At its meeting in March 2010, the EMEP Bureau considered the detailed 2011 budget on that basis and adopted the proposal as set out in table 3 below. The Bureau proposed no amendments in comparison to the 2010 budget.

13. At its twenty-fifth session, the Executive Body had increased the total budget of CIAM for 2008-2010 to \$395,000 (ECE/EB.AIR/91, para. 27 (k)). It is proposed that the total budget for 2011 and the provisional budgets for 2012 and 2013 remain at the same level.

14. The schedule of mandatory contributions from Parties for 2010, calculated on the basis of the above budget, is set out in the last column of table 4.

### **IV. PROPOSED DECISIONS FOR THE STEERING BODY**

15. The Steering Body may wish:

(a) To take note of the status of contributions to the financing of EMEP provided in the present document and the additional information provided by the secretariat during the session;

(b) To approve the use of resources by the EMEP centres in 2009, as presented in table 2 below;

(c) To agree on the detailed budget for 2011 set out in table 3 below and the schedule of mandatory contributions from Parties for 2011 as set out in the last column of table 4 below;

(d) To also agree to keep the total budget of CIAM for 2011 at \$395,000 and the provisional budgets for 2012 and 2013 at the same level;

(e) To recommend to the Executive Body to adopt the 2011 budgets and schedule of contributions;

(f) To call upon the Parties to the EMEP Protocol to consider making voluntary contributions (in kind or in cash through the trust fund) to ensure that the work, especially the difficult tasks required in 2011 for carrying out the protocol revisions, including the work on integrated assessment modelling, can be accomplished as foreseen in the workplan;

(g) To approve the national model for mapping air concentrations and deposition of heavy metals prepared by Ukraine and to recommend to the Executive Body to acknowledge that through that work Ukraine has covered its arrears to EMEP for the period 1992–1994, equivalent to US\$ 140,989;

(h) To urge Ukraine to proceed with the establishment of the EMEP station for background monitoring in close cooperation with CCC as an in-kind contribution to cover the second part of its arrears to EMEP, equivalent to US\$ 175,205; and to provide CCC with the contact details of an English-speaking focal point to facilitate further cooperation.

**Table 1. Contributions to the financing of the Cooperative Programme for Monitoring and Evaluation of the Long-range Transmission of Air Pollutants in Europe as of 24 June 2010 (in dollars)**

Party	EMEP Protocol in force since	Contributions received		Arrears by 2009	Contributions 2010		
		1981–1987	1988–2009		Expected	Received	
			In kind	In cash			
Austria	28/01/1988	46 408		802 246		47 490	47 490
Belarus	28/01/1988		118 605	1 860		1 070	
Belgium	28/01/1988	64 761		906 377		59 000	
Bosnia and Herzegovina	06/03/1992			4 725		320	320
Bulgaria	28/01/1988	3 400 a/	56 769	8 230		1 070	1 070
Canada	28/01/1988	37 798		48 816		Voluntary	
Croatia	08/10/1992			36 161		2 680	2 680
Cyprus	18/02/1992			23 748		2 360	2 360
Czech Republic	01/01/1993			194 222		15 040	15 040
Denmark	28/01/1988	52 500		648 730		39 560	<b>39 530</b>
Estonia	07/03/2002			5 116		860	860
Finland	28/01/1988	140 333		500 096		30 190	30 190
France	28/01/1988	30 000		5 057 119	30 100	337 320	
Germany	28/01/1988	416 826		7 789 617	22 033	459 170	
Greece	22/09/1988			346 261		31 910	
Hungary	28/01/1988	2 250 a/	22 695	119 615		13 060	13 060
Ireland	28/01/1988	9 754		255 184		23 820	23 820
Italy	12/04/1989			3 669 553	2 080	271 900	<b>201 772</b>
Latvia	19/05/1997			12 229		960	960
Liechtenstein	28/01/1988	160		6 729		540	540
Lithuania				4 990		1 660	1 660
Luxembourg	28/01/1988	671		61 217		4 550	4 550
Malta	12/06/1997			7 769	81	910	
Monaco	25/11/1999			1 812		160	160
Montenegro	23/10/2006			175		50	<b>75</b>
Netherlands	28/01/1988	159 816		1 557 206		100 270	100 270
Norway	28/01/1988	151 099		656 200		41 860	<b>41 830</b>
Poland	13/12/1988	9 000 a/	122 337	290 893		26 820	26 820
Portugal	10/04/1989	7 050		257 171		28 210	28 210
Romania	27/07/2003			5 780	13 700	3 750	
Russian Federation	28/01/1988		2 434 909	813 275	30	64 240	64 240
Serbia	27/04/1992			35 695		1 120	
Slovakia	28/05/1993			60 580		3 370	3 370
Slovenia	06/07/1992			56 346		5 140	5 140
Spain	28/01/1988	61 303		1 827 258		152 313	
Sweden	28/01/1988	163 034		1 000 395		57 340	57 340
Switzerland	28/01/1988	57 922		1 134 098		65 100	65 100
Turkey	28/01/1988	16 336		323 953		20 400	20 400
Ukraine	28/01/1988		180 164	27 667	316 194 b/	2 410	
United Kingdom	28/01/1988	227 495		4 741 250		355 580	<b>323 847</b>
United States	28/01/1988	40 000		124 850		Voluntary	
European Community	28/01/1988	74 559		1 301 868		78 550	78 550
Former Czechoslovakia		9 000 a/	104 405				
Former German Democratic Republic		16 000 a/	155 052				
Former Soviet Union		1 593 000 a/	1 076 522				
Former Yugoslavia		4 056		21 643			
Total, in cash		2 174 651		343 748 707	65 833	2 359 700	1 201 254
Total, in kind		1 632 650	4 271 458		316 194		
<b>Grand total</b>	<b>41 Parties</b>	<b>3 394 531</b>	<b>39 020 165</b>	<b>382 027</b>		<b>2 359 770</b>	<b>1 201 254</b>

Notes: a/ Contribution in kind. b/ Arrears for Ukraine of \$316,194 to be contributed in kind, through two projects equivalent to \$140,989 and \$175,205 to cover Ukraine's arrears for the periods 1992–1994 and 1996–2001.

Table 2. Use of budgeted resources in 2009 (in United States dollars)

	TOTAL		CCC		MSC-E		MSC-W	
	Budgeted	Reported	Budgeted	Reported	Budgeted	Reported	Budgeted	Reported
<b>Funded by the EMEP trust fund</b>								
<b>A. Acid deposition and eutrophication</b>								
Modelling (unified Eulerian model) <sup>a/</sup>	100 000	103 317					100 000	103 317
Measurements <sup>b/</sup>	120 000	120 581	120 000	120 581				
<b>B. Photo-oxidants</b>								
Modelling (unified Eulerian model) <sup>a/</sup>	100 000	103 317					100 000	103 317
Measurements <sup>b/</sup>	130 000	130 306	130 000	130 306				
<b>C. Heavy metals</b>								
Modelling <sup>a/</sup>	100 000	102 365			100 000	102 365		
Measurements <sup>b/</sup>	105 000	105 413	105 000	105 413				
<b>D. Persistent organic pollutants</b>								
Modelling <sup>a/</sup>	170 000	164 845			170 000	164 845		
Measurements <sup>b/</sup>	140 000	140 031	140 000	140 031				
<b>E. Integrated assessment modelling</b>	105 000	105 000					105 000 <sup>d/</sup>	105 000
<b>F. Small particles <sup>d/</sup></b>								
Modelling <sup>a/</sup> (unified model)	250 000	256 253					250 000	256 253
Measurements <sup>b/</sup>	215 000	215 734	215 000	215 734				
<b>G. Validation of emission data for modelling</b>	20 000	23 583			10 000	10 318	10 000	13 265
<b>H. Emission database and data verification</b>								
Database	130 000						130 000 <sup>f/</sup>	
Verification and reviews	70 000						70 000 <sup>f/</sup>	
Expert estimates	20 000						20 000 <sup>f/</sup>	
		224 151						224 151
<b>I. Cooperation with national programmes</b>	235 000	240 326	100 000 <sup>e/</sup>	100 702	55 000	58 458	30 000	14 791
							50 000 <sup>c/</sup>	39 198
<b>J. Smaller scale</b>							<sup>g/</sup>	
<b>K. Links to the hemispheric scale</b>	280 000	273 541	60 000	60 512	130 000	128 987	90 000	84 024
<b>Subtotal (A–K)</b>	<b>2 290 000</b>	<b>2 319 571</b>	870 000	873 280	465 000	464 973	955 000	972 941
<b>L. Programme support cost (3 per cent)</b>	68 700							
<b>Total (A–K)</b>	<b>2 358 700</b>	<b>2 306 907</b>						

a/ "Modelling" includes: preparation of input data for model runs (emission data, meteorological data, etc.), model development, model verification and model calculations.

b/ "Measurements" include data monitoring, data storage, quality control and quality assurance.

c/ To be used for external consultancy by the Centre for Integrated Assessment Modelling.

d/ Work on particles at MSC-E is included under the budget line for heavy metals and POPs.

e/ Implementation of the monitoring strategy.

f/ Work implemented together with the EMEP Centre on Emission Inventories and Projections (CEIP).

g/ Contribution in kind from the United Kingdom.

**Table 3. Proposed 2010 EMEP budget covered by mandatory contributions (in US dollars)**

		TOTAL	CCC	MSC-E	MSC-W
<b>Funded by the EMEP trust fund</b>					
<b>A.</b>	<b>Acid deposition and eutrophication</b>				
	Modelling (unified Eulerian model) <u>a/</u>	100 000			100 000
	Measurements <u>b/</u>	120 000	120 000		
<b>B.</b>	<b>Photo-oxidants</b>				
	Modelling (unified Eulerian model) <u>a/</u>	100 000			100 000
	Measurements <u>b/</u>	130 000	130 000		
<b>C.</b>	<b>Heavy metals</b>				
	Modelling <u>a/</u>	100 000		100 000	
	Measurements <u>b/</u>	105 000	105 000		
<b>D.</b>	<b>Persistent organic pollutants</b>				
	Modelling <u>a/</u>	170 000		170 000	
	Measurements <u>b/</u>	140 000	140 000		
<b>E.</b>	<b>Integrated assessment modelling</b>	105 000			105 000 <u>c/</u>
<b>F.</b>	<b>Small particles <u>d/</u></b>				
	Modelling (unified Eulerian model) <u>a/</u>	250 000			250 000
	Measurements <u>b/</u>	215 000	215 000		
<b>G.</b>	<b>Validation of emission data for modelling</b>	20 000		10 000	10 000
<b>H.</b>	<b>Emission database and verification of data</b>				
	Database	130 000			130 000 <u>f/</u>
	Verification and reviews	70 000			70 000 <u>f/</u>
	Expert estimates	20 000			20 000 <u>f/</u>
<b>I.</b>	<b>Cooperation with national programmes</b>	235 000	100 000 <u>e/</u>	55 000	30 000 50 000 <u>c/</u>
<b>J.</b>	<b>Smaller scale</b>				<u>g/</u>
<b>K.</b>	<b>Links to the global scale</b>	280 000	60 000	130 000	90 000
	<b>Subtotal (A–K)</b>	2 290 000	870 000	465 000	955 000
<b>L.</b>	<b>Programme support cost (3 per cent of A–K)</b>	68 700			
<b>Total (A–L)</b>		<b>2 358 700</b>			

a/ “Modelling” includes: preparation of input data for model runs (emission data, meteorological data, etc.), model development, model verification and model calculations.

b/ “Measurements” includes data monitoring, data storage, quality control and quality assurance.

c/ To be used for external consultancy by the Centre for Integrated Assessment Modelling.

d/ Work on particles at MSC-E is included under the budget line for heavy metals and persistent organic pollutants (C and D).

e/ Implementation of the monitoring strategy

f/ To be used for external consultancy by the Centre for Emission Inventories and Projections

g/ Contribution in kind from the United Kingdom.



**Table 4. Scale of contributions, calculated on the basis of the 2007 United Nations scale of assessments, and the 2010 schedule of contributions**

<i>Parties</i>	United Nations 2007 assessment rate (percentage)	“EMEP share” (percentage)	EMEP scale of contributions (percentage)	2010 contribution (in United States dollars)
Belarus	0.020	0.0453	0.0454	1 070
Bosnia and Herzegovina	0.006	0.0132	0.0136	320
Canada	2.977	voluntary	voluntary	voluntary
Croatia	0.050	0.1132	0.1135	2 680
Liechtenstein	0.010	0.0226	0.0227	540
Monaco	0.003	0.0068	0.0068	160
Montenegro	0.001	0.0023	0.0023	50
Norway	0.782	1.7712	1.7749	41 860
Russian Federation	1.200	2.7179	2.7236	64 240
Serbia	0.021	0.0476	0.0477	1 120
Switzerland	1.216	2.7542	2.7599	65 100
Turkey	0.381	0.8629	0.8647	20 400
Ukraine	0.045	0.1019	0.1021	2 410
United States	22.000	voluntary	voluntary	voluntary
Austria	0.887	2.0090	2.0132	47 490
Belgium	1.102	2.4960	2.5012	59 000
Bulgaria	0.020	0.0453	0.0454	1 070
Cyprus	0.044	0.0997	0.0999	2 360
Czech Republic	0.281	0.6364	0.6378	15 040
Denmark	0.739	1.6738	1.6773	39 560
Estonia	0.016	0.0362	0.0363	860
Finland	0.564	1.2774	1.2801	30 190
France	6.301	14.2714	14.3012	337 320
Germany	8.577	19.4264	19.4670	459 170
Greece	0.596	1.3499	1.3527	31 910
Hungary	0.244	0.5526	0.5538	13 060
Ireland	0.445	1.0079	1.0100	23 820
Italy	5.079	11.5036	11.5277	271 900
Latvia	0.018	0.0408	0.0409	960
Lithuania	0.031	0.0702	0.0704	1 660
Luxembourg	0.085	0.1925	0.1929	4 550
Malta	0.017	0.0385	0.0386	910
Netherlands	1.873	4.2422	4.2511	100 270
Poland	0.501	1.1347	1.1371	26 820
Portugal	0.527	1.1936	1.1961	28 210
Romania	0.070	0.1585	0.1589	3 750
Slovakia	0.063	0.1427	0.1430	3 370
Slovenia	0.096	0.2174	0.2179	5 140
Spain	2.968	6.7223	6.7364	158 890
Sweden	1.071	2.4258	2.4308	57 340
United Kingdom	6.642	15.0437	15.0752	355 580
European Union		3.3300	3.3300	78 550
<b>Total</b>		<b>99.7984</b>	<b>100.000</b>	<b>2 358 700</b>
<i>Parties to the Convention not Party to the EMEP Protocol:</i>				
Albania	0.006	0.0136		
Armenia	0.002	0.0045	n/a	n/a
Azerbaijan	0.005	0.0113	n/a	n/a
Georgia	0.003	0.0068	n/a	n/a
Iceland	0.037	0.0838	n/a	n/a
Kazakhstan	0.029	0.0657	n/a	n/a
Kyrgyzstan	0.001	0.0023	n/a	n/a
Republic of Moldova	0.001	0.0023	n/a	n/a
The former Yugoslav Republic of Macedonia	0.005	0.0113	n/a	n/a
<b>Total (excl. Canada and United States)</b>	<b>42.681</b>	<b>100.000</b>		

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