



**LIETUVOS RESPUBLIKOS AMBASADA VOKIETIJOS FEDERACINĖJE
RESPUBLIKOJE
BOTSCHAFT DER REPUBLIK LITAUEN IN DER BUNDESREPUBLIK
DEUTSCHLAND**

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22-03-2012 Nr. *2.1.6 - 75*

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SUBMISSION OF THE LITHUANIAN PLAN

With reference to the Compliance Committee's letters of 22 December 2011 and 10 January 2012 (Ref: CC-2011-3/Lithuania/EB), please, find enclosed the plan of Lithuania under paragraph 1 of the section XV (Decision 27/CMP 1) as well as the first progress report on the implementation of the measures included in the plan in accordance with paragraph 3 of the section XV (Decision 27/CMP 1).

The Lithuanian plan is submitted in accordance with paragraph 24(b) of the preliminary finding (CC-2011-3-6/Lithuania/EB), confirmed by the final decision of the Enforcement Branch concerning Lithuania (CC-2011-3-8/Lithuania/EB) and in accordance with section XV, paragraph 2 of the Procedures and mechanisms relating to compliance under the Kyoto Protocol and rule 25 bis of the Rules of procedure of the Compliance Committee of the Kyoto Protocol.

Enclosed. The Lithuanian plan, 27 pages.

Yours sincerely,

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PLAN

Under Section XV, paragraph 2 of the Procedures and mechanisms relating to compliance under the Kyoto Protocol and rule 25 bis of the Rules of procedure of the Compliance Committee of the Kyoto Protocol

In response to the Final Decision concerning Lithuania of the Enforcement branch of the Compliance Committee

(CC-2011-3-8/Lithuania/EB)

22 March 2011

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I. Background

1. The Enforcement branch of the Compliance Committee of the Kyoto Protocol held its sixteenth meeting in Bonn, Germany between 14 - 17 November 2011 to consider the questions of implementation indicated in the “Report of the individual review of the annual submission of Lithuania submitted in 2010”, dated 7 September 2011 (FCCC/ARR/2010/LTU) (hereafter referred to as the “ARR 2010”) and raised in relation to Lithuania's non-compliance with the Guidelines for national systems for the estimation of anthropogenic greenhouse gas emissions by sources and removals by sinks under Article 5, paragraph 1, of the Kyoto Protocol (annex to decision 19/CMP.1) and the Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol (annex to decision 15/CMP.1).
2. On 15 November 2011, Lithuania presented its case based on its written submission (reference CC-2011-3-5/Lithuania/EB of 9 November 2011) (hereafter referred to as the “**written submission**”) during a hearing in front of the Enforcement branch and submitted the additional documents (CC-2011-3-5/Lithuania/EB/Add.1). During the meeting the Enforcement branch received an advice from the invited experts on their views of the ERT’s findings regarding Lithuania’s national system, the questions of implementation raised by the EB and the measures undertaken by Lithuania in response to the issues highlighted by the ERT during their centralised review in September 2010.
3. On 17 November 2011, the Enforcement branch adopted a preliminary finding of non-compliance with respect to Lithuania (CC-2011-3-6/Lithuania/EB).
4. On 19 December 2011, Lithuania submitted a further written submission (reference CC-2011-3-7/Lithuania/EB of 19 December 2011) (hereafter referred to as the “**further written submission**”) to the Enforcement branch with the request not proceed with any of the questions of implementation raised in the ARR 2010 and not declare Lithuania to be in non-compliance in accordance with section XV of the Annex to decision 27/CMP.1, or to suspend Lithuania’s eligibility to participate in the mechanisms in accordance with the relevant provisions under Articles 6, 12 and 17 of the Kyoto Protocol. The Enforcement branch considered this **further written submission** at its 17th meeting held in Bonn from 20 to 21 December 2011.
5. On 21 December 2011, the Enforcement branch adopted the final decision of non-compliance with respect to Lithuania (CC-2011-3-8/Lithuania/EB) confirming its preliminary finding.
6. In accordance with paragraph 24 (b) of the preliminary finding Lithuania shall develop a plan referred to in paragraph 1 of section XV, in accordance with the substantive requirements of paragraph 2 of section XV and paragraph 1 of rule 25 bis of the rules of procedure, submit it within six months to the Enforcement branch in accordance with paragraph 2 of section XV.

7. With reference to the “Notice to the party concerned of the Final Decision” (CC-2011-3/Lithuania/EB) of 22 December 2011 and the “Notice to the party Concerned regarding the Deadline for any Comments on the Final Decision and the Plan Referred to in Paragraph 24 (b) of the Preliminary Finding” (CC-2011-3/Lithuania/EB) of 10 January 2012 the plan referred to in preliminary finding, is due on or before 22 March 2012.
8. Lithuania is pleased to present to the Enforcement branch this Plan before the deadline, and thus to be able to present the progress made since the Enforcement branch adopted its final decision.

II. Analysis of the causes of non-compliance

9. At the time of the 2010 annual submission, there were a number of causes that prevented Lithuania's national system from proper functioning in accordance with the guidelines for national systems.
10. One of the main causes, which led to Lithuania's non-compliance was the lack of sufficient legal basis clearly describing functions and responsibilities of all institutions involved in the GHG inventory preparation process and enabling proper functioning of the national system. Till 2011 Lithuania's GHG inventory preparation was performed by contracted consultancy company following yearly procedures under the Public Procurement Law of the Republic of Lithuania, therefore continuity of the work of the same inventory experts was not sufficiently ensured for a long-term period.
11. Striving to resolve this situation, from July 2010 till June 2011 the Government of Lithuania has issued a number of new key governmental and ministerial legal acts, which principally re-designed Lithuania's GHG inventory preparation system and explicitly imposed the roles and responsibilities on all involved institutions (see Chapter 2 and Annex 1 of the **written submission** of Lithuania). To ensure the efficient operation of the national GHG inventory, the Ministry of Environment has been given overall responsibility for the national system for inventory, it is in charge of the legal, institutional and procedural arrangements for the national system and the strategic development of the inventory and has been appointed as the National Focal Point to the United Nations Framework Convention on Climate Change (UNFCCC). Since December 2010 the Environmental Protection Agency under the Ministry of Environment has been designated as an inventory compiler and QA/QC manager. Since July 2010 the State Forest Service has undertaken responsibility to prepare annually the national GHG inventory parts related to LULUCF and supplementary information required under Article 7, paragraph 1 (KP-LULUCF articles 3.3 and 3.4). To address concerns regarding the continuity of experts within these institutions, the permanent GHG inventory working group was established by the Government Resolution No 683 of 8 June 2011, which determines experts' rules, responsibilities and financing provisions. A detailed description of each institution's responsibilities in relation to inventory preparation was presented in the Annex 3 of the **written submission** of Lithuania.
12. The other important cause, which led to Lithuania's non-compliance was insufficient institutional and human capacities in the key institutions responsible for GHG inventory preparation and lack of financial resources allocated for inventory preparation.
13. Aiming to increase human capacities for inventory preparation, since 1st of February 2012 the Climate Change Division was established within the Environmental Protection Agency. 5 officials were employed in this Division with the responsibility to coordinate preparation process of national GHG inventory, develop and implement QA/QC plan and specific QA/QC procedures, perform the data checks and archive inventory material, compile

National GHG inventory reports, maintain the national GHG inventory database, etc. Since January 2012 human resources for the preparation of LULUCF and KP-LULUCF parts of the national GHG inventory were increased by 6 officials in the State Forest Service: 2 of them were employed for the reporting of LULUCF sector and 4 officials are responsible for forest and land use sample data collection in the field. In addition, by the approved Governmental Resolution No 683 of 8 June 2011, the permanent GHG inventory working group was established which consists of 7 experienced experts from various science research institutions.

14. A special attention was given to strengthen institutional cooperation, promote exchange of experience and knowledge between the Forestry Department of the Ministry of Environment, the State Forestry Service, the Land Policy Department of the Ministry of Agriculture, State Land Fund and Lithuanian Agrarian and Forest Science Centre in order to improve information and data collection, which relates to forest and land use identification on sample plot basis for the LULUCF and KP-LULUCF calculations. 2 studies for historical data recovery and land plots identification “Forest land area changes in Lithuania during 1990-2011“ and “Changes of areas of croplands, grasslands, wetlands, settlements and other lands in Lithuania during 1990-2012” are conducted and preliminary results to be provided in April and final results - before the June 2012. Terms of reference of the studies were presented in the Annex 4 of the **further written submission** of Lithuania.
15. In 2011 obtained revenues to the Special Programme for Climate Change from the sale of assigned amount units under Green Investment Scheme and auctioned EU allowances under the EU Emission trading System allowed to recruit additional specialists in the Environmental Protection Agency and the State Forestry Service, to conduct additional researches for the data collection in LULUCF, energy, waste, agriculture, industry (F-gases) sectors and, consequently, inhibited improvements in GHG inventory preparation and management.
16. In recognition of recommendations to continuously strive to improve Lithuania's national system and to improve experts qualification Lithuania submitted project “Cooperation on the national GHG inventory” between Lithuania and Norway under the programme No 25 “Capacity-building and institutional cooperation between beneficiary state and Norwegian public institutions, local and regional authorities” for the approval by the Norway Government in January 2012. The project was developed in cooperation with the Norwegian Climate and Pollution Agency (Klif), which is national entity responsible for GHG inventory preparation in Norway and is aimed to benefit from Norway’s expertise in capacity building and improvement of the national system for the preparation of GHG inventory to comply with the relevant UNFCCC and Kyoto protocol reporting requirements. The project will start in the first half of 2012. Detailed description of the project was presented in Annex 5 of the **written submission** of Lithuania.

III. Measures that Lithuania implements in order to remedy the non-compliance and a timetable for implementing these measures

17. Lithuania has already taken measures to remedy the non-compliance. The most of those measures were presented by Lithuania in its **written submission** and **further written submission** and during hearings in front of the Enforcement branch. The most considerable progress was made in improving Lithuania's national system for the GHG inventory preparation. These improvements were described in Lithuania's NIR 2011 and presented to the Expert Review Team (ERT) during in-country review, which took place from 26 September to 1 October 2011, Vilnius. The ERT evaluated redesigned national system and was particularly complimentary about Lithuania's efforts to improve the national system. In the draft "Report of the individual review of the annual submission of Lithuania submitted in 2011" (FCCC/ARR/2011/LTU) (hereafter referred to as the "draft ARR 2011") provided by the UNFCCC Secretariat on 6 March 2012 ERT concluded that:

- The national system continues to perform its required functions as set out in Article 5, paragraph 1, of the Kyoto Protocol (annex to decision 19/CMP.1) and the Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol (annex to decision 15/CMP.1) (see paragraph 192-202 of the draft ARR 2011):

“192. Lithuania made its annual submission on 15 April 2011. The annual submission includes the GHG inventory (comprising CRF tables and an NIR) and supplementary information under Article 7, paragraph 1, of the Kyoto Protocol. The latter included information on activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol, Kyoto Protocol units, changes in the national system and the national registry, and minimization of adverse impacts, in accordance with Article 3, paragraph 14, of the Kyoto Protocol. The submission and information provided are in line with decision 15/CMP.1.

193. Lithuania resubmitted the NIR on 1 June and 20 September 2011 and resubmitted the CRF tables on 27 May and 16 September 2011. The CRF tables with revised estimates were submitted on 4 November 2011 and additional information on the national system and KP-LULUCF activities was submitted on 11 November 2011 in response to the list of potential problems and further questions raised by the ERT during the course of the review.

194. The ERT concludes that the inventory submission of Lithuania has been prepared and reported in accordance with the UNFCCC reporting guidelines. The inventory submission is complete and Lithuania has submitted a complete set of the CRF tables for the period 1990–2009 and the NIR. These are complete in terms of geographical coverage, years and sectors, and generally complete in terms of categories and gases. Some of the categories, for which the IPCC methodologies are not available, were reported using the notation key “NE”, particularly in the industrial processes and solvent and other product use sectors. For the LULUCF sector, the ERT noted that some mandatory categories have been reported using the notation key “NE”.

195. The submission of information required under Article 7, paragraph 1, of the Kyoto Protocol has been prepared and reported in accordance with decision 15/CMP.1. However, not all information was included in the NIR, although it was provided during the review.

196. Lithuania's inventory is generally in line with the Revised 1996 IPCC Guidelines, the IPCC good practice guidance and the IPCC good practice guidance for LULUCF. The ERT notes that the transparency needs to be improved and the consistency of the entire time-series needs to be ensured. In addition, the Party does not use higher-tier methods and country-specific data for all key categories identified. The ERT notes that Lithuania has improved its reporting in many areas and commends the Party for the improvements introduced in the NIR and in the CRF tables.

197. The Party has made recalculations for the inventory between the 2010 and 2011 submissions in response to the 2010 annual review report, following the changes in AD and EFs, in order to rectify identified errors and to improve the completeness of reporting. The impact of these recalculations on the national totals a decrease in emissions of 3.0 per cent for 1990 and of 0.2 per cent for 2008. The main recalculations took place in the following sectors/categories: stationary combustion; domestic and commercial refrigeration; cement production; and forest land.

198. Lithuania provided information related to activities under Article 3, paragraph 3, and to elected activities under Article 3, paragraph 4 (forest management), as set out in paragraphs 5 to 9 of the annex to decision 15/CMP.1 and consistent with decision 16/CMP.1. However, the ERT identified areas for improvement in relation to the land area identification, the choice of methods used for land identification and the estimation of emissions and removals, the use of notation keys, the time-series consistency and the transparency of the reporting.

199. Lithuania has reported information on its accounting of Kyoto Protocol units in accordance with chapter I.E of the annex to decision 15/CMP.1, and has used the SEF tables as required by decision 14/CMP.1.

200. The national system continues to perform its required functions as set out in the annex to decision 19/CMP.1. The ERT commends the Party for the changes introduced since the previous annual submission to improve the institutional capacity and continuity of the inventory preparation process. However, the ERT notes that additional efforts should be put in place to strengthen the functions of the national system relating to the reporting on KP-LULUCF activities and the archiving system to bring them into full accordance with the annex to decision 19/CMP.1.

201. The national registry continues to perform the functions set out in the annex to decision 13/CMP.1 and the annex to decision 5/CMP.1, and continues to adhere to the technical standards for data exchange between registry systems in accordance with relevant decisions of the Conference of the Parties serving as the meeting of the Parties to the Kyoto Protocol (CMP).

202. Lithuania has reported information on the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol, as requested in chapter I. H of the annex to decision 15/CMP.1, in its NIR. The ERT noted that the Party has not provided information on changes in its reporting of the minimization of adverse impacts in accordance with Article 3, paragraph 14, in its annual submission. The reported information is was not complete and not transparent, but the additional information provided by the Party during the review week increased the transparency and completeness of this information.”

- No questions of implementation were identified by the ERT during the review (see paragraph 205 of the draft ARR 2011).

18. The measures that Lithuania implements in order to remedy the non-compliance in relation to ARR 2010 are summarized in the Plan under Chapter VI of this submission and presented in the Table 1 format, describing the non-compliance issue, giving the reference to the document where it is described, listing measures to remedy the non-compliance and

indicating the status of the implementation as for 22nd March 2012, implementation deadline and control/review measures.

19. In accordance with paragraph 2 of the section XV, the timetable for implementing the measures that the Party intends to implement in order to remedy the non-compliance should not exceed 12 month. Taking into account this requirement, Lithuania's all planned activities to remedy non-compliance are envisaged to implement during 2012. Specific deadlines for the implementation of the measures are presented in the Plan, next to each measure (column "Status of implementation").

IV. CONCLUSION

20. Lithuania has conducted an analysis of the reasons that led to the decision to find Lithuania non-compliant under the Kyoto Protocol. The issues related to GHG inventory system improvement were acknowledged and prioritised at highest political level and discussed in the meetings of the Government of Lithuania on 9 and 18 January, 2012 and in the meetings of the Environmental Committee of the Parliament on 12 January and 14 March 2012. Action Plan for the Improvement of the LULUCF Reporting was approved by the Order No D1-987/3D-927 of the Minister of Environment and Minister of Agriculture on 16 December 2011 and the Action Plan for the Improvement of the National GHG Inventory Preparation was approved by the Order No D1-182 of the Minister of Environment on 28 February 2012. The information about implementation of the measures provided in above mentioned Action Plans periodically is provided to the Government and the Environmental Committee of the Parliament.
21. To date, major improvements, especially related to the revised national GHG inventory preparation system and upgraded data collection and processing have been implemented and are in line with the Guidelines for national systems for the estimation of anthropogenic greenhouse gas emissions by sources and removals by sinks under Article 5, paragraph 1, of the Kyoto Protocol (annex to decision 19/CMP.1) and the Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol (annex to decision 15/CMP.1).
22. Between 26 September and 1 October 2011 in-country review under Article 8 of the Kyoto Protocol was conducted of the inventory submitted by Lithuania in 2011. The ERT made technical assessment of the 2011 submission provided on 16th September 2011, and of additional information prepared and provided by the experts currently involved in the preparation of the annual submissions. On 6 March 2012 the UNFCCC Secretariat provided the draft ARR 2011. As a result, the ERT found no unresolved problems pertaining to the language of mandatory nature, as defined by paragraph 8 of the Guidelines for review under Article 8 of the Kyoto Protocol adopted by decision 22/CMP.1 and has not identified questions of implementation.
23. We believe that the recent steps taken to overhaul Lithuania's national system clearly shows both a willingness to achieve and the actual compliance with the provisions of Article 5, paragraph 1, of the Kyoto Protocol (annex to decision 19/CMP.1) and the Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol (annex to decision 15/CMP.1). The implemented measures to remedy the non-compliance and fulfil recommendations of ERT (ARR 2010) presented in Table 1 and additional measures under-implementation presented in Table 2 of the Chapter VI will ensure the comprehensive, transparent and complete preparation and submission of future GHG inventories.

V. First progress report on the implementation of the Plan

24. In accordance with paragraph 3 of the section XV (Decision 27/CMP 1) the first progress report on the implementation of the Plan developed under paragraph 1 of section XV is incorporated in the Plan itself. The status of the implementation of the measures as for 22nd of March, 2012 is presented next to each measure (column “Status of implementation”).

VI. Plan referred to in paragraph 1 of section XV

Table 1. Status of implementation of measures to remedy the non-compliance and fulfil recommendations of ERT in the annual review report FCCC/ARR/2010/LTU

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
<p>National System issues specific to the activities under Article 3 paragraph 3 and 4 of the Kyoto Protocol</p> <p><i>15/CMP.1, 16/CMP.1, 19/CMP.1.</i></p>	<p>ARR 2010 Para 20</p>	<p>Re-designed National system for national GHG inventory preparation for effective functioning with clearly described functions and responsibilities, ensuring expert capacity for long-term:</p> <ul style="list-style-type: none"> - Permanent GHG inventory preparation group established by Government Resolution No 683 of 8 June 2011 - Environment Protection Agency nominated as GHG inventory compiler and QA/QC manager by MoE Order No D1-1017 of 22 December 2010 - State Forest Service delegated with functions to prepare LULUCF part of the GHG inventory by MoE Order No D1-666 of 29 July 2010 <p>National System improvements descriptions incorporated in 2011 NIR</p>	<p>Implemented</p> <p>Relevant legislation adopted in 2010-2011</p>	<p>In-country review by ERT (Sept 2011)</p> <p>Draft ARR 2011, improvements noted in para 13, 24, 26-29, 200</p> <p>Internal EU review (April–August 2012) + consultancies with Joint Research Centre</p> <p>Centralised and/or in-country review by ERT (Sept 2012)</p> <p>Internal QC</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
		<p>Annual land plots identification is being strengthened through the results of 2 studies in accordance with Action plan to improve LULUCF reporting of Lithuania, approved by ERT of 2011 NIR on 11 November 2011:</p> <p>1 study: "Forest land area changes in Lithuania during 1990-2011"</p> <p>2 study: "Changes of areas of croplands, grasslands, wetlands, settlements and other lands in Lithuania during 1990-2012"</p> <p>The results of the studies as improvements are to be incorporated in 2012 NIR</p>	<p>Implementation in progress</p> <p>The study is conducted and final results to be provided by 01-05-2012 at the latest</p> <p>The study is conducted and final results to be provided by 01-06-2012 at the latest</p> <p>2012 NIR submission (April/May 2012)</p>	
		<p>Approval and amendments of the 7 legal acts improving the legislative basis to ensure mandatory registration of areas specific to the activities under Article 3 paragraph 3 and 4 of the Kyoto Protocol:</p> <ul style="list-style-type: none"> - Order of the Minister of Environment and Minister of Agriculture on Approval of Action plan to improve LULUCF reporting of Lithuania (No D1-987/3D-927) 	<p>Implementation in progress</p> <p>Adopted on 16-12-2011</p>	

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
		<ul style="list-style-type: none"> - Order of the Minister of Environment on Approval of Harmonised Principles for data collection and reporting on LULUCF (No D1/27) - Amendment of the Order of the Minister of Environment No D1-570 on National forest inventory by sampling method (No D1-59) - Amendment of the Government Resolution No 1255 on State Forest Cadastre - Amendment of the Minister of Environment and Minister of Agriculture Order No 3D-130/D1-144 on Rules for afforestation of non-forest land - Order of the Minister of Environment and Minister of Agriculture on Inventory and Registration of natural afforestation of non-forest land 	<p>Adopted on 12-01-2012</p> <p>Adopted on 24-01-2012</p> <p>Submitted to the Government for approval, to be approved by 01-05-2012</p> <p>Drafted and coordinated among responsible institutions, to be approved by 01-05-2012</p> <p>Drafted and coordinated among responsible institutions, to be approved by 01-05-2012</p>	

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
		<ul style="list-style-type: none"> - Amendment of the Minister of Agriculture Order No 302 on the Rules for national accounting of the land, introducing provisions on land use and land use change accounting in graphical form 	To be approved by 14-12-2012	
		<p>Increased capacities at State Forest Service (SFS) and Environment Protection Agency (EPA):</p> <ul style="list-style-type: none"> - 2 specialists at SFS for LULUCF reporting - 4 specialist at SFS for sampling of non-forest land of Lithuania's territory (data collection necessary for LULUCF reporting) - Climate Change Division established at EPA (5 specialists) 	<p>Implemented</p> <p>Employed from 16-01- 2012</p> <p>Employed from 13-03-2012</p> <p>Employed from 01-02- 2012</p>	
Failed to report information on anthropogenic greenhouse gas emissions by sources and removals by sinks from land use, land-use change and forestry activities under Article	ARR 2010 Para 15, 184-189	Information on GHG emissions by sources and removals by sinks from KP-LULUCF was submitted to UNFCCC secretariat (NIR 2011)	Implemented	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011,</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
<p>3, paragraph 3, and on forest management under Article 3, paragraph 4, of the Kyoto Protocol (KP-LULUCF) with the inventory submission due under the Convention for the first year of the commitment period.</p> <p><i>Article 7, paragraph 1, of the Kyoto Protocol</i> <i>15/CMP.1 para2, 5-9</i> <i>15/CMP.1 paragraphs 5 to 9 of section I.D of the annex</i></p>				<p>improvements noted in para 17, 155, 195-196, 198</p>
<p>Failed to ensure sufficient capacity for the timely performance of the functions defined in the Guidelines for national systems under Article 5, paragraph 1, of the Kyoto Protocol (decision 19/CMP.1), including data collection for estimating anthropogenic GHG emissions by sources and sinks.</p> <p><i>19/CMP.1 annex para 10(b)</i></p>	<p>ARR 2010 Para 16, 184-189</p>	<p>Increased capacities in the State Forest Service (SFS) and Environment Protection Agency (EPA):</p> <ul style="list-style-type: none"> - 2 specialists in SFS for LULUCF reporting - 4 specialists in SFS to conduct sampling of non-forest land of Lithuania's territory (necessary data collection for LULUCF reporting) - Climate Change Division established in EPA (5 specialists) 	<p>Implemented</p> <p>Employed from 16-01- 2012</p> <p>Employed from 13-03-2012</p> <p>Employed from 01-02- 2012</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Measures foreseen in Action Plan to improve LULUCF reporting recognized as satisfactory by ERT 2011</p> <p>Draft ARR 2011, improvements noted in para 9, 24, 26-29, 200</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
<p>Failed to prepare national annual inventories and supplementary information in a timely manner in accordance with Article 5 and Article 7, paragraph 1, and relevant decisions of the COP/MOP.</p> <p><i>19/CMP.1 annex para 10(d)</i></p>	<p>ARR 2010 Para 20, 184-189, 191,193</p>	<p>Information on GHG emissions by sources and removals by sinks from KP-LULUCF was submitted to UNFCCC secretariat in due time (15th April 2011)</p>	<p>Implemented</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011, improvements noted in para 17, 155, 195-196, 198</p> <p>Consultancies with Joint Research Centre, internal EU review</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
<p>Failed to provide information necessary to meet the reporting requirements defined in the Guidelines for the preparation of the information required under Article 7 of the Kyoto Protocol (decision 15/CMP.1).</p> <p><i>19/CMP.1 annex para 10(e)</i></p>	<p>ARR 2010 Para 20, 184-189</p>	<p>Strengthened through the results of 2 studies in accordance with Action plan to improve LULUCF reporting of Lithuania, approved by ERT of 2011 NIR on 11 November 2011:</p> <p>1 study: “Forest land area changes in Lithuania during 1990-2011”</p> <p>2 study: “Changes of areas of croplands, grasslands, wetlands, settlements and other lands in Lithuania during 1990-2012”</p> <p>The results of the studies as improvements are to be incorporated in 2012 NIR</p>	<p>Implementation in progress</p> <p>The study is conducted and final results to be provided by 01-05-2012 at the latest</p> <p>The study is conducted and final results to be provided by 01-06-2012 at the latest</p> <p>2012 NIR submission (April/May 2012)</p>	<p>Measures foreseen in Action Plan to improve LULUCF reporting recognized as satisfactory by ERT 2011 in-country review</p> <p>Centralised and/or in-country review by ERT (Sept 2012)</p> <p>Consultancies with Joint Research Centre, internal EU review</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
<p>Failed to ensure areas of KP-LULUCF land subject to articles 3.3 and 3.4 are identifiable</p> <p><i>16/CMP.1 annex para 20</i></p>	<p>ARR 2010 Para 16, 20 187</p> <p>2011 ERT Saturday paper, issued on 1 October 2011</p>	<p>Identification of areas of KP-LULUCF land subject to articles 3.3 and 3.4 is ensured through the application of definitions in accordance with Chapter IV of IPCC GPG. The definitions were approved by the Order of the Director of the State Forest Service of 29th October 2010.</p> <p>Strengthened through the results of 2 studies in accordance with Action plan to improve LULUCF reporting of Lithuania, as approved by ERT 2011.</p>	<p>Implementation in progress</p> <p>Agreement on definitions is in place, as approved by SFS Director Order.</p> <p>Improvements to be reflected in 2012 NIR (April/May 2012)</p>	<p>Action plan approved by ERT in Saturday Paper 2011 to be implemented in time</p> <p>External expertise in accordance to the LT Norway partnership project</p> <p>Internal QC by the State Forest Service</p> <p>Centralised and/or in-country review by ERT (Sept 2012)</p>
<p>Failed to document that there is no double counting of land subject to KP-LULUCF has not been met (9(c) of the annex to 15/CMP.1)</p> <p><i>15/CMP.1 annex para 9(c)</i></p>	<p>ARR 2010 Para 188</p>	<p>State Forest Service is a single body responsible for the accounting (on GIS basis) of land subject to KP-LULUCF and EPA is controlling quality of collected data eliminating possibility of double counting.</p> <p>Information incorporated in 2011 NIR.</p>	<p>Implemented</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011</p>
<p>Failed to prepare estimates in lines with the IPCC Guidelines and IPCC GPG-LULUCF</p> <p><i>19/CMP.1 annex Para 14(b); IPCC GPG</i></p>	<p>ARR 2010 Para 20, 186, 187</p>	<p>Estimates will be improved using the results of 2 studies in accordance with Action plan to improve LULUCF reporting of Lithuania, as approved by ERT 2011.</p>	<p>Implementation in progress</p> <p>Improvements to be reflected in 2012 NIR (April/May 2012)</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011,</p>

Non-compliance issues, including reference to relevant requirements	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
				improvements noted in para 155, 163, 198
Failed to collect sufficient activity data or emission factors <i>19/CMP.1 annex para 14(c)</i>	ARR 2010 Para 20, 187	Information on GHG emissions by sources and removals by sinks from KP-LULUCF was incorporated in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011, improvements noted in para 7, 155, 198
Failed to provide information on which of the 5 carbon pools were include or excluded <i>15/CMP.1 annex para 6(e)</i>	ARR 2010 Para 190	Information on all 5 carbon pools is included in the CRF tables for 2011 (NIR 2011).	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 155)

Annex A Sources				
Non-compliance issues	Reference to description in ARR	Measures to remedy the non-compliance	Status of implementation	Control/review of results
Completeness				
HFCs emissions from 2.F.2 foam blowing, actual and potential emissions reported as “NE” <i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,14,72 140-159 (adjustment) Saturday paper 2010	HFCs are not used for foam blowing in Lithuania. However, HFCs are present in imported foam products used for insulation. In NIR 2011 HFCs emission from 2.F.2 foam blowing is calculated using the method applied by ERT for adjustment (average emission rate from a cluster of countries). National data on foams containing HFCs use have been collected and HFCs emissions will be reported in NIR 2012.	Implementation in progress Improvements to be reflected in 2012 NIR (15 April 2012)	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011, 2011 QA/QC plan 2011 NIR Draft ARR 2011 (para 54(b), 93)
HFCs emissions from 2.F.4 aerosols or metered dose inhalers reported as “NE” <i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,14,72 140-159 (adjustment) Saturday paper 2010	HFCs emissions from 2.F.4 metered dose inhalers have been reported in NIR 2011 using the data provided by the State Medicines Control Agency.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 54 (b), 80)
Transparency				
CH ₄ emissions from 6.A. Solid Waste Disposal on Land (Municipal Solid Waste), ERT informed Industrial Waste not included	ARR 2010 Para 12,14,124 160-172 (adjustment)	CH ₄ emissions from biodegradable industrial and commercial waste disposal on land using data from EPA waste database have been included in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011

<p><i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i></p>	<p>Saturday paper 2010</p>			<p>Draft ARR 2011 (para 54(d), 144)</p>
<p>CH₄ emissions from 6.B Wastewater Handling (Sludge) reported as “IE” or “NA” but storage of sludge implies emissions occur</p> <p><i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i></p>	<p>ARR 2010 Para 12,14,125 173-183 (adjustment)</p> <p>Saturday paper 2010</p>	<p>In NIR 2011 CH₄ emission from 6.B Waste water handling (sludge) was calculated using the method applied by ERT for adjustment.</p> <p>National data on sewage sludge generation, disposal have been collected and CH₄ emissions will be reported in NIR 2012.</p>	<p>Implementation in progress</p> <p>Improvements to be reflected in 2012 NIR (15 April 2012)</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011 (para 146) 2011 QA/QC plan</p>

Potential problems resolved				
Non-compliance issues	Reference to description	Measures to remedy the non-compliance	Status of implementation	Control/review of results
Failed to Ensure sufficient capacity <i>19/CMP.1 annex para 10(b)</i>	ARR 2010 Para 16, 21-24	Description of improved national system and increased capacities is provided in 2011 NIR.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (improvements noted in para 9, 24, 26-29, 200)
Failed to prepare estimates in accordance with the methods and good practice guidance described in IPCC Guidelines <i>19/CMP.1 annex para 14(b)</i> <i>IPCC Guidelines</i>	ARR 2010 Para 22-24	National system improvements will ensure preparation of GHG emission estimates in accordance with the methods and good practice guidance described IPCC. Description of improved national system is incorporated in 2011 NIR.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (improvements noted in para 6, 7, 194-196)
Failed to collect sufficient activity data, process information and emission factors <i>19/CMP.1 annex para 14(c)</i> <i>IPCC Guidelines</i>	ARR 2010 Para 21-23	Description of improved national system is incorporated in 2011 NIR. Improvements were introduced for a number of key categories in 2011 NIR. Country specific EFs, based on Lithuania' oil refinery quality research protocols, for most fuels were introduced in 2011 NIR. EFs for fuel combustion will be revised after conducting the Study "National	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (improvements noted in para 30, 40, 62, 194-195) 2012 QA/QC plan 2013 NIR

		emission factors development for energy sector”		
Failed to implement the Tier 1 QA/QC plan (specificity its aim to act on recommendations from previous ERTs) <i>19/CMP.1 annex para 14(g)</i>	ARR 2010 Para 36, 50, 51, 54, 57, 79, 86, 93, 104,106,109, 121	Most of the recommendations of the 2010 ERT were addressed in 2011 NIR. Remaining recommendations are to be implemented in 2012 NIR and further submissions following planned GHG improvements list in QA/QC plan.	Implemented	2011 QA/QC plan An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (improvements noted in para 7, 40, 54, 60, 62, 73, 74, 78, 79, 92, 101, 103, 109, 120, 123, 144)
Failed to improve transparency of inventory <i>19/CMP.1 annex para 14(g)</i>	ARR 2010 Para 37	Transparency was improved in 2011 NIR: more descriptions on institutional arrangements, methodologies, activity data and emissions factors used was provided.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 61)
Failed to improve Archiving of inventory <i>19/CMP.1 annex para 16(a)</i>	ARR 2010 Para 38 Saturday paper 2011	Implementation of Lithuania’s GHG inventory archive improvement plan, approved by ERT of 2011 NIR on 30 October, 2011.	Implementation in progress Improvements are to be implemented by 30-06-2012	2011 QA/QC plan Internal EU review (April – August 2012) Centralised and/or in-country review by ERT (Sept 2012)
CO ₂ , CH ₄ and N ₂ O emissions from 1.A.3.e other transport (pipelines) reported as NO <i>IPCC Guidelines</i> <i>19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,45 Saturday paper 2010	CO ₂ , CH ₄ , N ₂ O emissions from pipeline transportation were reported in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011

CO ₂ , CH ₄ and N ₂ O emissions from 1.A.5.a other military stationary combustion reported as “NE” <i>IPCC Guidelines</i> <i>19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,45,46 Saturday paper 2010	CO ₂ , CH ₄ , N ₂ O emissions from other military stationary combustion were reported in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011
CO ₂ , CH ₄ and N ₂ O emissions from 1.A.5.b other (military mobile combustion) stated that NATO operations are (wrongly) included under multilateral operations <i>IPCC Guidelines</i> <i>19/CMP.1 annex para 14(b)</i> <i>2/CP.3 para 5</i>	ARR 2010 Para 12,13,63 Saturday paper 2010	Explanation on allocation of emissions from NATO operations was provided in the NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011
CO ₂ , CH ₄ emissions from 1.B.2.b.iii Natural Gas Transmission (storage); does not account for storage <i>IPCC Guidelines</i> <i>19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,60 Saturday paper 2010	Emissions of CO ₂ and CH ₄ from natural gas transmission using default EF of the IPCC good practice guidance were included in the 2011 GHG inventory submission.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 73)
CO ₂ , CH ₄ emissions from 1.B.2.b.v Natural Gas other leakage (at industrial plants and power stations, and, in residential and commercial sectors) reported as “NE” <i>IPCC Guidelines</i> <i>19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,61 Saturday paper 2010	Emissions of CO ₂ and CH ₄ from Natural gas (other leakage) were included in 2011 GHG inventory submission.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011

HFCs emissions from 2.F.3 fire extinguishers reported as “NE” <i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,72 Saturday paper 2010	HFCs emissions from fire extinguishers were reported in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 92)
CH ₄ emissions from 6.B. Wastewater Handling, does not include all disposal routes <i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,126 Saturday paper 2010	CH ₄ emission from uncollected municipal wastewater was estimated in 2011 GHG inventory submission.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011
CH ₄ , N ₂ O emissions from 6.C Waste incineration reported as “NE” <i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i>	ARR 2010 Para 12,13,126 Saturday paper 2010	N ₂ O emissions from 6.C Waste incineration were reported in NIR 2011.	Implemented	An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011 Draft ARR 2011 (para 40(e), 152)

<p>CO₂, CH₄ and N₂O emissions from 1.A.3.e other transport (off-road vehicles and machinery) – NIR states emissions are included but there is no information about where or how emissions were estimated</p> <p><i>IPCC Guidelines 19/CMP.1 annex para 14(b)</i></p>	<p>ARR 2010 Para 12,13,62</p> <p>Saturday paper 2010</p>	<p>Emissions from off-road vehicles were reported in NIR 2011.</p>	<p>Implemented</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011 (para 54(a), 74)</p>
<p>CH₄ emissions from 6.A. Solid Waste Disposal on Land: reason for recalculation not provided</p> <p><i>IPCC GPG 7.3.3 (justification) IPCC GPG 8.10.1 (documentation) 19/CMP.1 annex para 14(b) FCCC/CMP/2005/8/Add.3</i></p>	<p>ARR 2010 Para 12,13,130</p> <p>Saturday paper 2010</p>	<p>The explanation for the revised estimation method of landfilled waste and analysis of correlation between GDP per capita and waste generation were documented in the NIR 2011.</p>	<p>Implemented</p>	<p>An issue was not raised in 2011 ERT Saturday paper, issued on 1 October 2011</p> <p>Draft ARR 2011</p>

Table 2. Implementation of additional measures to improve Lithuania's GHG inventory

Additional measures to improve GHG inventory	Status of implementation	Control/review of results
<p>Energy sector</p> <p>Study on National emission factors development for energy sector</p>	<p>Implementation in progress</p> <p>Procurement procedure was started on 13 March 2012.</p> <p>Study results are to be ready in August 2012.</p>	<p>2012 QA/QC plan</p> <p>2013 NIR</p>
<p>Industrial processes sector</p> <p>Study on evaluation of the quantity of fluorinated gases (HFCs, PFCs and SF₆) used in Lithuania, development of the methods for emissions calculations and recommendations to improve F-gases data collection system</p>	<p>Implementation in progress</p> <p>Terms of Reference are drafted.</p> <p>Study results are to be ready in August 2012.</p>	<p>2012 QA/QC plan</p> <p>2013 NIR</p>
<p>Agriculture sector</p> <p>Study on research and evaluation of methane and nitrous oxide producing capacity in the Lithuanian manure management systems</p>	<p>Implementation in progress</p> <p>Procurement procedure was started on 13 March 2012.</p> <p>Study results are to be ready in August 2012.</p>	<p>2012 QA/QC plan</p> <p>2013 NIR</p>
<p>Waste sector</p> <p>Study on research and analysis of methane emissions from waste water and sludge</p>	<p>Implementation in progress</p> <p>Procurement procedure was started on 20 March 2012.</p> <p>Study results are to be ready in August 2012.</p>	<p>2012 QA/QC plan</p> <p>2013 NIR</p>
<p>LULUCF/ KP-LULUCF sector</p> <p>A long-term project on land use areas identification based on GIS.</p>	<p>Implementation in progress</p> <p>The pilot project on land use areas identification in Kelmes and Kaisiadoriu regions were implemented in 2011. Land fund graphical data were obtained and proposals for the optimisation of technological and organisational accounting of land fund data were presented during the implementation of the project.</p>	<p>2012 QA/QC plan</p> <p>2013 NIR</p>

	<p>In 2012 project scope is being extended to all territory of Lithuania aiming to have comprehensive land use, land use changes database covering all territory of Lithuania in graphical form for 2012. The data will be used as an additional information source for the comparison with land and forest plots data, collected by sampling method for the calculation GHG emissions and removals in LULUCF sector. The project will also serve as a QA/QC tool leading to improvement of land use areas identification on GIS basis (i.e. wall-to-wall mapping). Results covering all Lithuanian territory are planned to be delivered by 31 December 2012.</p>	
<p>Crosscutting A training programme for Lithuanian inventory experts to further raise the technical competence in the inventory development process is to be implemented under the Norway Grants partnership project “Cooperation on the national GHG inventory”</p>	<p>Implementation in progress Norway Grants partnership project “Cooperation on the national GHG inventory” submitted for the approval by Norway Government in January 2012. Training programme is planned to be conducted in the 2nd-3rd quarter of 2012.</p>	<p>2011 QA/QC plan</p>
