

2	エストニア	「埋立地のための要件 - 建設、使用、閉鎖」と関連して、廃棄物処分場の数は大幅に削減された。大規模な廃棄物処分場の閉鎖後も、メタンの排出量を減らすためのさらなる対策が行われる。2009年7月16日からは、廃棄物処理の決議により、適切な要件を満たすサイトでしか廃棄物を処分することができなくなる	①																																																		
3	エストニア	<p align="center"><i>Table 4.7.5. Policies and measures in waste management</i></p> <table border="1"> <thead> <tr> <th rowspan="2">Name of policy / measure</th> <th rowspan="2">GHG affected</th> <th rowspan="2">Type of instruments</th> <th rowspan="2">Status</th> <th rowspan="2">Implementing entity</th> <th rowspan="2">Period of implementation</th> <th colspan="2">Annual emission reduction</th> </tr> <tr> <th>2003-12</th> <th>Gg (=10<sup>6</sup> t)</th> </tr> </thead> <tbody> <tr> <td>New requirements for landfills</td> <td>CH<sub>4</sub></td> <td>Regulatory</td> <td>Planned</td> <td>MoE</td> <td>2003-07</td> <td>3.3</td> <td></td> </tr> <tr> <td>Reduction of landfilled waste by 25% (re-cycling, etc.)</td> <td>CH<sub>4</sub></td> <td>Regulatory, voluntary</td> <td>Planned</td> <td>MoE, households, local governments</td> <td>2003-12</td> <td>4.2</td> <td></td> </tr> </tbody> </table>	Name of policy / measure	GHG affected	Type of instruments	Status	Implementing entity	Period of implementation	Annual emission reduction		2003-12	Gg (=10 <sup>6</sup> t)	New requirements for landfills	CH <sub>4</sub>	Regulatory	Planned	MoE	2003-07	3.3		Reduction of landfilled waste by 25% (re-cycling, etc.)	CH <sub>4</sub>	Regulatory, voluntary	Planned	MoE, households, local governments	2003-12	4.2		①																								
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3	EU	<p align="center"><b>Table 4.3.6: Summary of the policies and measures in the waste sector</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Name of the policy</th> <th rowspan="2">Objective and /or activity affected</th> <th rowspan="2">GHG affected</th> <th rowspan="2">Type of instrument</th> <th rowspan="2">Status</th> <th rowspan="2">Implementing entity or entities</th> <th colspan="2">Estimate of mitigation impact, by gas (for a particular year, not cumulative, in CO<sub>2</sub> equivalent) for EU15</th> </tr> <tr> <th>2010</th> <th>Beyond 2010</th> </tr> </thead> <tbody> <tr> <td>Landfill Directive</td> <td>Amount of waste to landfills; recovery of landfill gas</td> <td>CH<sub>4</sub></td> <td>Regulatory</td> <td>Adopted</td> <td>EU/Member States</td> <td>-41<sup>136</sup></td> <td></td> </tr> <tr> <td>Directive on Waste Packaging</td> <td>Recovery rates for waste packaging</td> <td>CH<sub>4</sub> CO<sub>2</sub></td> <td>Regulatory</td> <td>1<sup>st</sup> phase implemented, but 2<sup>nd</sup> phase targets for 2008</td> <td>EU/Member States</td> <td>-3<sup>137</sup></td> <td></td> </tr> <tr> <td>Directive on End-of-Life Vehicles</td> <td>Acceptance of used vehicles and recovery by their producers</td> <td>CH<sub>4</sub> CO<sub>2</sub> Fluorinated gases</td> <td>Regulatory</td> <td>Implemented, but 2<sup>nd</sup> phase targets for 2015</td> <td>EU/Member States</td> <td></td> <td></td> </tr> <tr> <td>Directive on Waste Electrical and Electronic Equipment (WEEE)</td> <td>Recovery of WEEE</td> <td>CH<sub>4</sub> CO<sub>2</sub> Fluorinated gases</td> <td>Regulatory</td> <td>Adopted</td> <td>EU/Member States/Producers</td> <td></td> <td></td> </tr> <tr> <td>Directive on incineration of waste</td> <td>Reduce negative impacts of incineration and co-incineration of waste</td> <td>Indirectly CO<sub>2</sub> CH<sub>4</sub></td> <td>Regulatory</td> <td>Adopted</td> <td>EU/Member States</td> <td></td> <td></td> </tr> </tbody> </table>	Name of the policy	Objective and /or activity affected	GHG affected	Type of instrument	Status	Implementing entity or entities	Estimate of mitigation impact, by gas (for a particular year, not cumulative, in CO <sub>2</sub> equivalent) for EU15		2010	Beyond 2010	Landfill Directive	Amount of waste to landfills; recovery of landfill gas	CH <sub>4</sub>	Regulatory	Adopted	EU/Member States	-41 <sup>136</sup>		Directive on Waste Packaging	Recovery rates for waste packaging	CH <sub>4</sub> CO <sub>2</sub>	Regulatory	1 <sup>st</sup> phase implemented, but 2 <sup>nd</sup> phase targets for 2008	EU/Member States	-3 <sup>137</sup>		Directive on End-of-Life Vehicles	Acceptance of used vehicles and recovery by their producers	CH <sub>4</sub> CO <sub>2</sub> Fluorinated gases	Regulatory	Implemented, but 2 <sup>nd</sup> phase targets for 2015	EU/Member States			Directive on Waste Electrical and Electronic Equipment (WEEE)	Recovery of WEEE	CH <sub>4</sub> CO <sub>2</sub> Fluorinated gases	Regulatory	Adopted	EU/Member States/Producers			Directive on incineration of waste	Reduce negative impacts of incineration and co-incineration of waste	Indirectly CO <sub>2</sub> CH <sub>4</sub>	Regulatory	Adopted	EU/Member States			① ③
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3	フィンランド	<p><b>Table 4-6 Major policies and measures included in the WM Scenario in the waste sector 2000-2020.</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Policy or measure</th> <th rowspan="2">Objective</th> <th rowspan="2">GHG</th> <th rowspan="2">Type of instrument</th> <th rowspan="2">Status</th> <th rowspan="2">Implementing entity</th> <th colspan="4">Estimation of mitigation impact</th> </tr> <tr> <th>2000</th> <th>2005</th> <th>2010</th> <th>2020</th> </tr> </thead> <tbody> <tr> <td>1. Government decision on landfills</td> <td>To reduce CH<sub>4</sub> emissions</td> <td>CH<sub>4</sub></td> <td>Regulatory</td> <td>Implemented</td> <td>Ministry of the Environment</td> <td>n.a.</td> <td>n.a.</td> <td>0.1 Tg CO<sub>2</sub> eq.</td> <td>n.a.</td> </tr> <tr> <td>2. Waste minimisation, collection and recovery of waste paper and other waste fractions</td> <td>To reduce CH<sub>4</sub> emissions</td> <td>CH<sub>4</sub></td> <td>National waste plan, regulatory</td> <td>Implemented</td> <td>Ministry of the Environment</td> <td>n.a.</td> <td>n.a.</td> <td>n.a.</td> <td>n.a.</td> </tr> <tr> <td>3. The waste tax</td> <td>To reduce CH<sub>4</sub> emissions</td> <td>CH<sub>4</sub></td> <td>Fiscal</td> <td>Implemented</td> <td>Ministry of Finance</td> <td>n.a.</td> <td>n.a.</td> <td>n.a.</td> <td>n.a.</td> </tr> </tbody> </table>	Policy or measure	Objective	GHG	Type of instrument	Status	Implementing entity	Estimation of mitigation impact				2000	2005	2010	2020	1. Government decision on landfills	To reduce CH <sub>4</sub> emissions	CH <sub>4</sub>	Regulatory	Implemented	Ministry of the Environment	n.a.	n.a.	0.1 Tg CO <sub>2</sub> eq.	n.a.	2. Waste minimisation, collection and recovery of waste paper and other waste fractions	To reduce CH <sub>4</sub> emissions	CH <sub>4</sub>	National waste plan, regulatory	Implemented	Ministry of the Environment	n.a.	n.a.	n.a.	n.a.	3. The waste tax	To reduce CH <sub>4</sub> emissions	CH <sub>4</sub>	Fiscal	Implemented	Ministry of Finance	n.a.	n.a.	n.a.	n.a.	①						
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5	<p><b>Table 5-7 Methane emissions in the WM scenario in 1990-2020.</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Methane (CH<sub>4</sub>)</th> <th colspan="4">CO<sub>2</sub> eq. (Tg)</th> <th colspan="4">Index, 1990=100</th> </tr> <tr> <th>1990</th> <th>2003</th> <th>2010</th> <th>2020</th> <th>1990</th> <th>2003</th> <th>2010</th> <th>2020</th> </tr> </thead> <tbody> <tr> <td>Waste management</td> <td>3.80</td> <td>2.60</td> <td>2.20</td> <td>1.95</td> <td>100</td> <td>68</td> <td>58</td> <td>51</td> </tr> <tr> <td>Agriculture</td> <td>2.15</td> <td>1.87</td> <td>1.55</td> <td>1.55</td> <td>100</td> <td>98</td> <td>81</td> <td>81</td> </tr> <tr> <td>Fuel combustion</td> <td>0.40</td> <td>0.46</td> <td>0.43</td> <td>0.43</td> <td>100</td> <td>115</td> <td>108</td> <td>108</td> </tr> <tr> <td>- transportation</td> <td>0.10</td> <td>0.06</td> <td>0.03</td> <td>0.03</td> <td>100</td> <td>60</td> <td>30</td> <td>30</td> </tr> <tr> <td>- other<sup>1</sup></td> <td>0.30</td> <td>0.40</td> <td>0.40</td> <td>0.40</td> <td>100</td> <td>133</td> <td>133</td> <td>133</td> </tr> <tr> <td>Industry (metal, chemical)</td> <td>0.01</td> <td>0.01</td> <td>0.02</td> <td>0.02</td> <td>100</td> <td>100</td> <td>200</td> <td>200</td> </tr> <tr> <td><b>Total</b></td> <td><b>6.41</b></td> <td><b>4.95</b></td> <td><b>4.20</b></td> <td><b>3.95</b></td> <td><b>100</b></td> <td><b>80</b></td> <td><b>68</b></td> <td><b>64</b></td> </tr> </tbody> </table>	Methane (CH <sub>4</sub> )	CO <sub>2</sub> eq. (Tg)				Index, 1990=100				1990	2003	2010	2020	1990	2003	2010	2020	Waste management	3.80	2.60	2.20	1.95	100	68	58	51	Agriculture	2.15	1.87	1.55	1.55	100	98	81	81	Fuel combustion	0.40	0.46	0.43	0.43	100	115	108	108	- transportation	0.10	0.06	0.03	0.03	100	60	30	30	- other <sup>1</sup>	0.30	0.40	0.40	0.40	100	133	133	133	Industry (metal, chemical)	0.01	0.01	0.02	0.02	100	100	200	200	<b>Total</b>	<b>6.41</b>	<b>4.95</b>	<b>4.20</b>	<b>3.95</b>	<b>100</b>	<b>80</b>	<b>68</b>	<b>64</b>	①
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1	ドイツ	<p>主な焦点は、未処理の生分解性廃棄物の埋立を減らすことによって、埋立地からのメタンの排出を削減すること</p>																																																																																
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1	ギリシャ	<p>廃棄物部門の政策は、主に、固体廃棄物埋立地の管理、運用に関連している</p>	①																																																																															
2	ギリシャ	<p>【基本目標】          ・管理されていない廃棄物処分場を排除する          ・都市・農村部すべてを賄う、近代的な最終処分場を備える          ・廃棄物削減のための施策の推進する          ・リサイクルやエネルギー回収を最大化する原料の開発</p>	①																																																																															
3	ギリシャ	<p>【追加目標】処分施設の設置によって、生分解性廃棄物の埋立量を減らす（1995年を100%とした場合の）生分解性廃棄物の埋立処分量の目標値：          2010年 75%          2013年 50%          2020年 35%</p>	①																																																																															
3	ギリシャ	<p>（調査された施策）          住民数10万人以上の都市にある、管理埋立処分場においては、回収した埋立ガスを燃焼する。これにより排出削減量は、0.2 Mt CO<sub>2</sub>eq(2010年)になると推定されている</p>	①																																																																															
4	ギリシャ	<p><b>Table 4.1 Projections of GHG emissions in the "with measures" scenario, disaggregated by sector, kt CO<sub>2</sub>eq</b></p> <table border="1"> <thead> <tr> <th>Sources and Sink categories</th> <th>1990</th> <th>1995</th> <th>2000</th> <th>2005</th> <th>2010</th> <th>2015</th> <th>2020</th> </tr> </thead> <tbody> <tr> <td>Energy</td> <td>81704</td> <td>84634</td> <td>101611</td> <td>112416</td> <td>120326</td> <td>127351</td> <td>134674</td> </tr> <tr> <td>of which transport</td> <td>15645</td> <td>17317</td> <td>19802</td> <td>22587</td> <td>24756</td> <td>27308</td> <td>29384</td> </tr> <tr> <td>Industrial processes</td> <td>6670</td> <td>11400</td> <td>12610</td> <td>12846</td> <td>13910</td> <td>15019</td> <td>17188</td> </tr> <tr> <td>Solvents</td> <td>170</td> <td>153</td> <td>145</td> <td>158</td> <td>161</td> <td>164</td> <td>168</td> </tr> <tr> <td>Agriculture</td> <td>13514</td> <td>12489</td> <td>12330</td> <td>12126</td> <td>12265</td> <td>12429</td> <td>12606</td> </tr> <tr> <td>Waste</td> <td>5357</td> <td>5811</td> <td>5429</td> <td>5328</td> <td>3750</td> <td>2608</td> <td>2203</td> </tr> <tr> <td><b>Total</b></td> <td><b>109415</b></td> <td><b>114487</b></td> <td><b>132324</b></td> <td><b>142876</b></td> <td><b>150413</b></td> <td><b>158172</b></td> <td><b>166839</b></td> </tr> <tr> <td>Land Use</td> <td>-3193</td> <td>-4369</td> <td>-2959</td> <td>-4702</td> <td>-4773</td> <td>-4509</td> <td>-4264</td> </tr> </tbody> </table>	Sources and Sink categories	1990	1995	2000	2005	2010	2015	2020	Energy	81704	84634	101611	112416	120326	127351	134674	of which transport	15645	17317	19802	22587	24756	27308	29384	Industrial processes	6670	11400	12610	12846	13910	15019	17188	Solvents	170	153	145	158	161	164	168	Agriculture	13514	12489	12330	12126	12265	12429	12606	Waste	5357	5811	5429	5328	3750	2608	2203	<b>Total</b>	<b>109415</b>	<b>114487</b>	<b>132324</b>	<b>142876</b>	<b>150413</b>	<b>158172</b>	<b>166839</b>	Land Use	-3193	-4369	-2959	-4702	-4773	-4509	-4264	④							
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7	<p>7 ギリシャ</p> <p><b>Table 4.12 GHG emissions from the waste sector (kt CO2eq)</b></p> <table border="1"> <thead> <tr> <th></th> <th>1990</th> <th>1995</th> <th>2000</th> <th>2005</th> <th>2010</th> <th>2015</th> <th>2020</th> </tr> </thead> <tbody> <tr> <td colspan="8">A. Emissions per source category</td> </tr> <tr> <td>Solid waste disposal on land</td> <td>2673</td> <td>3369</td> <td>3602</td> <td>4555</td> <td>3107</td> <td>1952</td> <td>1538</td> </tr> <tr> <td>Domestic wastewater handling</td> <td>2252</td> <td>1988</td> <td>1327</td> <td>274</td> <td>131</td> <td>132</td> <td>133</td> </tr> <tr> <td>Industrial wastewater handling</td> <td>106</td> <td>102</td> <td>122</td> <td>120</td> <td>125</td> <td>131</td> <td>136</td> </tr> <tr> <td>Human sewage handling</td> <td>327</td> <td>352</td> <td>378</td> <td>379</td> <td>387</td> <td>393</td> <td>397</td> </tr> <tr> <td colspan="8">B. Emissions per gas</td> </tr> <tr> <td>CO2</td> <td>21</td> <td>35</td> <td>177</td> <td>241</td> <td>145</td> <td>96</td> <td>82</td> </tr> <tr> <td>CH4</td> <td>5009</td> <td>5424</td> <td>4873</td> <td>4708</td> <td>3219</td> <td>2119</td> <td>1724</td> </tr> <tr> <td>N2O</td> <td>327</td> <td>352</td> <td>378</td> <td>379</td> <td>387</td> <td>393</td> <td>397</td> </tr> <tr> <td><b>Total</b></td> <td><b>5357</b></td> <td><b>5811</b></td> <td><b>5429</b></td> <td><b>5328</b></td> <td><b>3750</b></td> <td><b>2608</b></td> <td><b>2203</b></td> </tr> </tbody> </table>		1990	1995	2000	2005	2010	2015	2020	A. Emissions per source category								Solid waste disposal on land	2673	3369	3602	4555	3107	1952	1538	Domestic wastewater handling	2252	1988	1327	274	131	132	133	Industrial wastewater handling	106	102	122	120	125	131	136	Human sewage handling	327	352	378	379	387	393	397	B. Emissions per gas								CO2	21	35	177	241	145	96	82	CH4	5009	5424	4873	4708	3219	2119	1724	N2O	327	352	378	379	387	393	397	<b>Total</b>	<b>5357</b>	<b>5811</b>	<b>5429</b>	<b>5328</b>	<b>3750</b>	<b>2608</b>	<b>2203</b>	① ②																																													
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2	<p>2 ハンガリー</p> <p>【概要】2009年以降、埋立地でのメタン回収（活用、焼却）は大幅に増加している 【目標】生分解性廃棄物の埋立は、2007年に50%、2014年までに35%の削減 【対策】一般の有機性廃棄物を、分別収集・リサイクルする</p>	①																																																																																																																																					
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2	アイスランド	<p>【目標1】家庭からの有機廃棄物の埋立量を、総重量比で： 2009年1月までに、25%減量 2013年6月までに、50%減量 2020年6月までに、65%減量</p> <p>【目標2】その他の生分解性有機性廃棄物の埋立量を、総重量比で： 2009年1月までに、25%減量 2013年6月までに、50%減量 2020年6月までに、65%減量</p>	①																																																	
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2	アイスランド	2016年までに、生分解性廃棄物の埋立を、1995年水準の35%以下に抑える	①																																																	
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<b>Total waste sector (scenario with measures)</b>					<b>15.0</b>	<b>13.6</b>	<b>12.3</b>																																																																											
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7	<p><b>イタリア</b></p> <p>【予測】 廃棄物分野のGHG排出量を、22%削減 【現状・見通し】</p> <ul style="list-style-type: none"> <li>・都市固形廃棄物の分別収集は増加しているが、目標ラインに並んでいない</li> <li>・生分解性廃棄物埋立量が、目標ラインに並んでいない</li> <li>・埋立ガス回収は、2020年には50%に達する見込み</li> <li>・廃棄物の焼却量が順調に増加し、生物学的に安定化された廃棄物の埋立が確保される</li> </ul>	①																																																																																
8	<p><b>イタリア</b></p> <p>【予測】 一般廃棄物の分別収集を、2012年35%、2016年は65%に設定 【施策】</p> <ul style="list-style-type: none"> <li>・2010年からすべての一般廃棄物用焼却炉に、エネルギー回収システムを装備する（※ごみ分別収集の年間5%増加を決定）</li> <li>・廃棄物の管理サイクル（特にメタンガス排出量）を評価する</li> </ul>	①																																																																																
1	<p><b>ラトビア</b></p> <p>【2006-2012年計画】 1) 廃棄物の集積、ボリュームの削減と非有害化、2) 原料リサイクルとエネルギーの回収、3) 既存の廃棄場の廃止と改善、4) 地方都市の新たな埋立廃棄場の建設</p>	①																																																																																
2	<p><b>ラトビア</b></p> <p>ポリシー： 廃棄物管理システム、廃棄物埋立地でのバイオガス回収を確立する メジャー1： 生物分解性廃棄物の処理 メジャー2： 廃棄物埋立処分場からバイオガスを回収 メジャー3： 環境の要件を満たしていない小規模の市町村廃棄場の修復</p>	①																																																																																
3	<p><b>ラトビア</b></p> <p><b>Liepaja waste management project (2002 – 2012)</b></p> <table border="1"> <thead> <tr> <th>Flexibility mechanism under the Kyoto Protocol</th> <th>Project objective</th> <th>Beneficiary country</th> <th>Project financing, min LVL</th> <th>Legal act approving the implementation of the project</th> <th>Status</th> <th>Project life cycle</th> <th>Planned amount of emission reduction, 2008-2012, t CO<sub>2</sub>-eq.</th> <th>Emission reduction before 2008, t CO<sub>2</sub>-eq.</th> <th>Implementation type for</th> </tr> </thead> <tbody> <tr> <td rowspan="7">Joint implementation</td> <td rowspan="7">To improve the solid municipal waste management system by collecting and using biogas in Liepaja City and Liepaja region</td> <td rowspan="7">Latvia</td> <td>Financing from the State Investment Programme</td> <td>0.8</td> <td rowspan="7">Regulation of the Cabinet of Ministers of 12 December 2000 No. 604 "On the emission reduction unit purchase agreement between the Republic of Latvia and the International Reconstruction and Development Bank – assignee of the Carbon Prototype Fund"</td> <td rowspan="7">Project is presently implemented</td> <td rowspan="7">204,052</td> <td rowspan="7">180,720</td> <td rowspan="7">Track 2<sup>1</sup></td> </tr> <tr> <td>World Bank credit</td> <td>1.3</td> </tr> <tr> <td>Nordic investment Bank loan</td> <td>0.9</td> </tr> <tr> <td>Financing of Prototype Carbon Fund</td> <td>1.5</td> </tr> <tr> <td>Liepaja City financing</td> <td>0.4</td> </tr> <tr> <td>Liepaja region municipality financing</td> <td>0.2</td> </tr> <tr> <td>Swedish International Development Agency</td> <td>0.7</td> </tr> <tr> <td>ISPA financing</td> <td>2.0</td> </tr> </tbody> </table>	Flexibility mechanism under the Kyoto Protocol	Project objective	Beneficiary country	Project financing, min LVL	Legal act approving the implementation of the project	Status	Project life cycle	Planned amount of emission reduction, 2008-2012, t CO <sub>2</sub> -eq.	Emission reduction before 2008, t CO <sub>2</sub> -eq.	Implementation type for	Joint implementation	To improve the solid municipal waste management system by collecting and using biogas in Liepaja City and Liepaja region	Latvia	Financing from the State Investment Programme	0.8	Regulation of the Cabinet of Ministers of 12 December 2000 No. 604 "On the emission reduction unit purchase agreement between the Republic of Latvia and the International Reconstruction and Development Bank – assignee of the Carbon Prototype Fund"	Project is presently implemented	204,052	180,720	Track 2 <sup>1</sup>	World Bank credit	1.3	Nordic investment Bank loan	0.9	Financing of Prototype Carbon Fund	1.5	Liepaja City financing	0.4	Liepaja region municipality financing	0.2	Swedish International Development Agency	0.7	ISPA financing	2.0	①																																														
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