

## ANNEX XI

## Monitoring Mechanism Regulation

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
1	Reducing GHG Emissions in the Waste Sector	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Waste management/waste</li> </ul>							
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> <li>Methane (CH4)</li> </ul>							
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Waste incineration with energy use</td> </tr> <tr> <td>Improved landfill management</td> </tr> <tr> <td>Improved treatment technologies</td> </tr> <tr> <td>Improved wastewater management systems</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Waste incineration with energy use	Improved landfill management	Improved treatment technologies	Improved wastewater management systems	Sector	Name
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<b>Quantified Objective</b>	6.9 Mt CO2eq in waste sector (inventory) by 2020							
<b>Short description:</b>	Reducing the emissions of the waste sector through a variety of actions including: - Recycling; - Reducing organic waste landfill deposition; - Definition of a GHG emission reduction target for 2020 and corresponding intermediate targets; - Green taxation reform including changes in the waste management tax and introduction of a fee on lightweight plastic bags; - Promoting the substitution of fossil fuels by Fuel Derived from Waste (CDR) produced from municipal waste; - Promoting the use of compost produced by the treatment of municipal waste; - Increased recovery and use of biogas in municipal waste treatment facilities; - Promoting the use of biofuels from used cooking oils; - Limit waste production through an absolute decrease of the amount of waste produced in relation to a reference level (waste prevention actions targeted to industry, services and consumers)							
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No							
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Planning</li> <li>Economic</li> <li>Regulatory</li> </ul>							

<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ Landfill Directive 1999/31/EC</li> <li>◦ Waste Directive 2006/12/EC</li> <li>◦ Waste Management Framework Directive 2008/98/EC</li> </ul> </li> <li>• Other Union Policy</li> </ul>																																
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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<b>Projected costs and benefits</b>	<b>Cost</b>	
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	<b>Year(s) for which cost has been calculated:</b>	
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2	Taxation of Energy Products	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> </ul>							
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<b>Quantified Objective</b>								
<b>Short description:</b>	Changes in the Portuguese tax burden on heating oil							
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No							
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Fiscal</li> </ul>							
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Energy Taxation Directive 2003/96/EC</li> </ul> </li> <li>Other Union Policy</li> </ul>							
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3	Regulation for Intensive Energy Users	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Implementation of a new regulation for intensive energy users regulation (RGCE) to promote energy efficiency in the industrial sector through voluntary agreements								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related</li> <li>Other Union Policy</li> </ul>								
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> <li>• EU ETS</li> </ul>																								
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<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
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	Absolute benefit per year in EUR:	
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	Net Cost per year in EUR:	
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	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
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Documentation/ Source of cost estimation:		
Reference:		
Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
4	Phasing out fuel oil cogeneration	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td colspan="2">Efficiency improvement in industrial end-use sectors</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name		Efficiency improvement in industrial end-use sectors		Sector	Name		
Name									
Efficiency improvement in industrial end-use sectors									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Reduction or phasing out of the tariff for cogeneration plants using fuel oil								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Economic</li> <li>Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Cogeneration Directive 2004/8/EC</li> <li>Directive 2006/32/EC on end-use energy efficiency and energy services</li> </ul> </li> <li>Other Union Policy</li> </ul>								
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
5	Management of livestock effluents and waste	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Waste management/waste</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> <li>• Methane (CH4)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td colspan="2">Improved animal waste management systems</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name		Improved animal waste management systems		Sector	Name		
Name									
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	The main purpose is to reduce the carbon intensity of management practices of livestock effluents and waste								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related</li> <li>• Other Union Policy</li> </ul>								
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
6	Emission reduction from the nitrogen fertilizers	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Agriculture</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Nitrous oxide (N2O)</li> <li>Methane (CH4)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td colspan="2">Reduction of fertilizer/manure use on cropland</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name		Reduction of fertilizer/manure use on cropland		Sector	Name		
Name									
Reduction of fertilizer/manure use on cropland									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	The main purpose is to promote the reduction of N2O emissions from fertilization practices of agricultural land								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Economic</li> <li>Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related</li> <li>Other Union Policy</li> </ul>								
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<b>General Comments:</b>	<p data-bbox="528 730 1485 781">Programa de Ação Nacional de Combate à Desertificação (PANCD) Plano de Desenvolvimento Regional 2020 Programa Nacional para o Uso Eficiente da Água (PNUEA)</p>																

**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
	Price reference year:	
	<b>Benefit</b>	
	Benefits in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute benefit per year in EUR:	
	Year(s) for which benefits has been calculated:	
	<b>Net cost</b>	
	Net costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Net Cost per year in EUR:	
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	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
7	Energy Efficiency in the Public Administration Sector	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> <li>Transport</li> </ul>									
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>									
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Efficiency improvement in services/ tertiary sector</td> </tr> <tr> <td>Efficiency improvements of buildings</td> </tr> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Efficiency improvements of vehicles</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name	Efficiency improvement in services/ tertiary sector	Efficiency improvements of buildings	Demand management/reduction	Efficiency improvements of vehicles	Sector	Name		
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Sector	Name									
<b>Quantified Objective</b>										
<b>Short description:</b>	Promoting energy efficiency measures targeting the Public Administration: - Energy certification of State buildings and energy efficiency management contracts - Action Plan for Energy Efficiency in Public Administration (ECO.AP) - More efficient public administration transport - Efficient public lighting									
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No									
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> </ul>									
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related</li> <li>Other Union Policy</li> </ul>									
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
8	Energy Efficiency in Commercial and Residential Buildings	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> </ul>									
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Sector	Name									
<b>Quantified Objective</b>										
<b>Short description:</b>	Promoting energy efficiency in comercial and residencial buildings: - Promoting more efficient equipment - Efficient lighting - Efficient Windows - Insulation - Green heat - Energy certification system for comercial and residencial buildings - Promotion of termal solar energy in comercial and residencial buildings									
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No									
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Economic</li> </ul>									
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Eco-design framework directive 2005/32/EC and its implementing regulations, combined with Labelling Directive 2003/66/EC and 2010/30/EC, including implementing measures</li> <li>Recast of the Energy Performance of Buildings Directive (Directive 2010/31/EU)</li> <li>Directive 2006/32/EC on end-use energy efficiency and energy services</li> <li>Energy Efficiency Directive 2012/27/EU</li> </ul> </li> <li>Other Union Policy</li> </ul>									
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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
	Price reference year:	
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	Benefits in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute benefit per year in EUR:	
	Year(s) for which benefits has been calculated:	
	<b>Net cost</b>	
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	Net Cost per year in EUR:	
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	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
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Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
9	Renewables: Heating and Cooling	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy supply</li> </ul>						
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>						
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Name							
Increase in renewable energy							
Enhanced non-renewable low carbon generation (nuclear)							
Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Measures promoting of renewables: - Thermal solar energy - Green heat - Registration of installers of small renewable systems						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Economic</li> <li>Regulatory</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>RES directive 2009/28/EC</li> </ul> </li> <li>Other Union Policy</li> </ul>						
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
10	Renewables: Electricity	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy supply</li> </ul>						
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Increase in renewable energy							
Switch to less carbon-intensive fuels							
Efficiency improvement in the energy and transformation sector							
Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Promoting renewables in the electricity sector: - Introduction of a general remuneration regime - Operationalisation of the market facilitator role - Operationalisation of Origin Guarantees - Biomass power plants (decentralised network) - Minigeneration and own consumption regime - One stop shop electricity - National Dam Plan including reinforcement of capacity and installation of pumping systems - Offshore energy pilot zone - Over-equipment for wind farms						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Economic</li> <li>Information</li> <li>Planning</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>RES directive 2009/28/EC</li> </ul> </li> <li>Other Union Policy</li> </ul>						
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Indicators used to monitor and evaluate progress over time (ex-post or ex-ante):

Description: Installed capacity for hydro

Year 1	2020	Value 1	8.94
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Description: Installed capacity for solar

Year 1	2020	Value 1	720
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Description: Installed capacity for wind

Year 1	2020	Value 1	5.3
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Description: Installed capacity for ocean

Year 1	2020	Value 1	6
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Description: Installed capacity for biomass

Year 1	2020	Value 1	828
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Description: Installed capacity for geothermal

Year 1	2020	Value 1	29
Year 2		Value 3	
Year 3		Value 4	
Year 4		Value 4	

Reference to assessments and underpinning technical reports:

Reference

URL:

**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
11	Biofuels	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Transport</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>								
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Increase in renewable energy									
Switch to less carbon-intensive fuels									
Low carbon fuels/electric cars									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Promotion of the use of biofuels								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ RES directive 2009/28/EC</li> </ul> </li> <li>• Other Union Policy</li> </ul>								
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
12	Energy Efficiency in the Transport Sector	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Transport</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Efficiency improvements of vehicles</td> </tr> <tr> <td>Low carbon fuels/electric cars</td> </tr> <tr> <td>Improved behaviour</td> </tr> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Improved transport infrastructure</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Efficiency improvements of vehicles	Low carbon fuels/electric cars	Improved behaviour	Demand management/reduction	Improved transport infrastructure	Sector	Name
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Improved behaviour									
Demand management/reduction									
Improved transport infrastructure									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Promoting energy efficiency measures in the transport sector: - Revision of the taxation regime for private vehicles - Green tire - Promotion of sustainable mobility and good practices - Use of more energy efficient transports and mobility solutions - Promoting rail passenger transport - Regulation for management of energy consumptions in transport - Promoting nitrogen tire filling stations - Fleet management system and promoting eco-driving								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	Yes								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Fiscal</li> <li>Economic</li> <li>Voluntary/negotiated agreements</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Energy Efficiency Directive 2012/27/EU</li> </ul> </li> <li>Other Union Policy</li> </ul>								
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
13	Energy Efficiency in Industry	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy consumption</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td colspan="2">Efficiency improvement in industrial end-use sectors</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name		Efficiency improvement in industrial end-use sectors		Sector	Name		
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Promoting energy efficiency measures in industry through the energy consumption management system for intensive energy users (SGCIE)								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>EU ETS directive 2003/87/EC as amended by Directive 2008/101/EC and Directive 2009/29/EC and implementing legislation, in particular 2010/2/EU, 2011/278/EU and 2011/638/EU</li> <li>Energy Efficiency Directive 2012/27/EU</li> </ul> </li> <li>Other Union Policy</li> </ul>								
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	<b>Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):</b>	
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<b>Reference:</b>		
<b>Weblink:</b>		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
14	Reducing Energy Intensity of the Agriculture Sector	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Energy consumption</li> <li>• Agriculture</li> </ul>							
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>							
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Efficiency improvement in industrial end-use sectors</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name	Demand management/reduction	Efficiency improvement in industrial end-use sectors	Sector	Name		
Name								
Demand management/reduction								
Efficiency improvement in industrial end-use sectors								
Sector	Name							
<b>Quantified Objective</b>								
<b>Short description:</b>	Promotion of energy efficiency and renewables in the agriculture sector							
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No							
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Economic</li> <li>• Regulatory</li> </ul>							
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related</li> <li>• Other Union Policy</li> </ul>							
<b>Implementation Period:</b>	<table border="1"> <thead> <tr> <th>Status of Implementation:</th> <th>Start</th> <th>Finish</th> </tr> </thead> <tbody> <tr> <td>Adopted</td> <td>2013</td> <td>2020</td> </tr> </tbody> </table>	Status of Implementation:	Start	Finish	Adopted	2013	2020	
Status of Implementation:	Start	Finish						
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<b>Projections scenario in which the PAM is included:</b>	<p><b>Projections scenario in which the PAM is included:</b></p> <p>With existing measures</p>							

<b>Entities responsible for implementing the policy:</b>	<table border="1"> <thead> <tr> <th data-bbox="531 69 823 120">Type</th> <th data-bbox="823 69 1506 120">Name</th> </tr> </thead> <tbody> <tr> <td data-bbox="531 120 823 172">Government</td> <td data-bbox="823 120 1506 172">Ministry for Agriculture and Sea</td> </tr> </tbody> </table>	Type	Name	Government	Ministry for Agriculture and Sea												
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	<b>Costs in EUR per tonne CO<sub>2</sub>eq reduced/ sequestered:</b>	
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	<b>Benefit</b>	
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
15	Carbon Tax	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Cross-cutting</li> <li>• Transport</li> <li>• Energy consumption</li> </ul>						
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>						
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Multi-sectoral policy</td> </tr> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Demand management/reduction</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Multi-sectoral policy	Demand management/reduction	Demand management/reduction	Sector	Name
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Demand management/reduction							
Demand management/reduction							
Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Carbon tax on non-ETS sectors linked to ETS allowances average price in the previous year						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	Yes						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Fiscal</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related</li> <li>• Other Union Policy</li> </ul>						
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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<b>Projected costs and benefits</b>	<b>Cost</b>	
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Documentation/ Source of cost estimation:		
Reference:		
Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
16	Vehicle Scrappage Scheme	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Transport</li> </ul>							
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>							
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Efficiency improvements of vehicles</td> </tr> <tr> <td>Low carbon fuels/electric cars</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name	Efficiency improvements of vehicles	Low carbon fuels/electric cars	Sector	Name		
Name								
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Low carbon fuels/electric cars								
Sector	Name							
<b>Quantified Objective</b>								
<b>Short description:</b>	Fiscal incentives for purchase of new cars (plug-in hybrids or electric) and scrap an old one							
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No							
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Fiscal</li> </ul>							
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>RES directive 2009/28/EC</li> </ul> </li> <li>Other Union Policy</li> </ul>							
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<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
<b>Ex-ante assessment</b>	<p><b>GHG emissions reductions for year 2020 (kt CO<sub>2</sub>-equivalent per year)</b></p> <table border="1" data-bbox="529 414 1506 573"> <tr> <td>EU ETS</td> <td></td> </tr> <tr> <td>ESD</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> </tr> </table> <p><b>GHG emissions reductions for year 2025 (kt CO<sub>2</sub>-equivalent per year)</b></p> <table border="1" data-bbox="529 687 1506 846"> <tr> <td>EU ETS</td> <td></td> </tr> <tr> <td>ESD</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> </tr> </table> <p><b>GHG emissions reductions for year 2030 (kt CO<sub>2</sub>-equivalent per year)</b></p> <table border="1" data-bbox="529 960 1506 1120"> <tr> <td>EU ETS</td> <td></td> </tr> <tr> <td>ESD</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> </tr> </table> <p><b>GHG emissions reductions for year 2035 (kt CO<sub>2</sub>-equivalent per year)</b></p> <table border="1" data-bbox="529 1234 1506 1393"> <tr> <td>EU ETS</td> <td></td> </tr> <tr> <td>ESD</td> <td></td> </tr> <tr> <td><b>Total</b></td> <td></td> </tr> </table>	EU ETS		ESD		<b>Total</b>		EU ETS		ESD		<b>Total</b>		EU ETS		ESD		<b>Total</b>		EU ETS		ESD		<b>Total</b>	
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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
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	<b>Benefit</b>	
	Benefits in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute benefit per year in EUR:	
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	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
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Documentation/ Source of cost estimation:		
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Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
17	CO2 Component on Motor Vehicles Taxes	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Transport</li> </ul>						
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>						
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Efficiency improvements of vehicles</td> </tr> <tr> <td>Low carbon fuels/electric cars</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Efficiency improvements of vehicles	Low carbon fuels/electric cars	Sector	Name	
Name							
Efficiency improvements of vehicles							
Low carbon fuels/electric cars							
Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Positive discrimination on motor vehicles taxes: - CO2 componente on registration tax - CO2 componente on the anual circulation tax - exemption of registration and anual circulation taxes for electric vehicles						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Fiscal</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related</li> <li>Other Union Policy</li> </ul>						
<b>Implementation Period:</b>	<table border="1"> <thead> <tr> <th>Status of Implementation:</th> <th>Start</th> <th>Finish</th> </tr> </thead> <tbody> <tr> <td>Implemented</td> <td>2007</td> <td></td> </tr> </tbody> </table>	Status of Implementation:	Start	Finish	Implemented	2007	
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<b>General Comments:</b>	Lei n.º 22-A/2007 de 29 de junho Lei n.º 82-D/2014 de 31 de dezembro																



**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
18	Forest Fires Prevention	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Land use, land-use change and forestry</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
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Conservation of carbon in existing forests									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Reducing the number of fires, the burnt area and the emissions from fires through implementation of fire prevention actions								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Planning</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>LULUCF Decision No 529/2013/EU</li> </ul> </li> <li>Other Union Policy <ul style="list-style-type: none"> <li>LULUCF Decision 529/2013/EU</li> </ul> </li> </ul>								
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<b>General Comments:</b>	Resolução do Conselho de Ministros n.º 6-B/2015 de 4 de fevereiro (Estratégia Nacional para as Florestas)																

**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> <li>• Land use, land-use change and forestry</li> </ul>																								
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<b>Weblink:</b>		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
19	Promoting Carbon Sequestration in Forest Land	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Land use, land-use change and forestry</li> </ul>										
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>										
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Restoration of degraded lands											
Sector	Name										
<b>Quantified Objective</b>											
<b>Short description:</b>	Increase forest area by planting agricultural land, non-agricultural land and areas prone to desertification. It also aims at improving the conservation and condition of forest habitats, riparian corridors and other NATURA 2000 areas and to improve the management standards of existing forests										
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No										
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Economic</li> <li>Regulatory</li> </ul>										
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>LULUCF Decision No 529/2013/EU</li> <li>Common Agricultural Policy (CAP) Reform 2006/144/EC</li> </ul> </li> <li>Other Union Policy</li> </ul>										
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> <li>• Land use, land-use change and forestry</li> </ul>																								
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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	<b>Costs in EUR per tonne CO<sub>2</sub>eq reduced/ sequestered:</b>	
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	<b>Year(s) for which cost has been calculated:</b>	
	<b>Price reference year:</b>	
	<b>Benefit</b>	
	<b>Benefits in EUR per tonne CO<sub>2</sub>eq reduced/ sequestered:</b>	
	<b>Absolute benefit per year in EUR:</b>	
	<b>Year(s) for which benefits has been calculated:</b>	
	<b>Net cost</b>	
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
20	Reducing Emissions or Increasing Sequestration in Soils	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Land use, land-use change and forestry</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
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Name									
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Promote climate friendly soil management practices and their use by the farmer's community								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Economic</li> <li>Voluntary/negotiated agreements</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Common Agricultural Policy (CAP) Reform 2006/144/EC</li> <li>CAP "Health Check" 2008 and the "Set aside" regulation 73/2009</li> <li>LULUCF Decision No 529/2013/EU</li> </ul> </li> <li>Other Union Policy</li> </ul>								
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
21	Promoting the Substitution Effect of Forest Products	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Energy supply</li> <li>Land use, land-use change and forestry</li> </ul>						
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> <li>Methane (CH4)</li> <li>Nitrous oxide (N2O)</li> </ul>						
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Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Promote the use of biomass for energy through the establishment of short rotation biomass production and to promote the substitution of fossil based raw materials with forest products						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Planning</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Common Agricultural Policy (CAP) Reform 2006/144/EC</li> <li>LULUCF Decision No 529/2013/EU</li> </ul> </li> <li>Other Union Policy</li> </ul>						
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> <li>• Land use, land-use change and forestry</li> </ul>																								
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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
	Price reference year:	
	<b>Benefit</b>	
	Benefits in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute benefit per year in EUR:	
	Year(s) for which benefits has been calculated:	
	<b>Net cost</b>	
	Net costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Net Cost per year in EUR:	
	Year(s) for which net cost has been calculated:	
	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
<input type="text"/>		
Documentation/ Source of cost estimation:		
Reference:		
Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
22	Tax Incentives for Efficiency and Low Carbon Options	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Transport</li> <li>• Energy supply</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Switch to less carbon-intensive fuels</td> </tr> <tr> <td>Efficiency improvements of vehicles</td> </tr> <tr> <td>Low carbon fuels/electric cars</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name	Switch to less carbon-intensive fuels	Efficiency improvements of vehicles	Low carbon fuels/electric cars	Sector	Name		
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Efficiency improvements of vehicles									
Low carbon fuels/electric cars									
Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Tax incentives for: - plug-in hybrid and LPG/NGV - renewables in urban buildings - car-sharing/bike-sharing systems - velopedede fleets								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Fiscal</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ Energy Efficiency Directive 2012/27/EU</li> </ul> </li> <li>• Other Union Policy</li> </ul>								
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<b>Entities responsible for implementing the policy:</b>	<table border="1"><thead><tr><th data-bbox="531 69 823 120">Type</th><th data-bbox="823 69 1508 120">Name</th></tr></thead><tbody><tr><td data-bbox="531 120 823 172">Government</td><td data-bbox="823 120 1508 172">Ministry of Finance</td></tr></tbody></table>	Type	Name	Government	Ministry of Finance												
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<b>Policy impacting EU ETS or ESD emissions:</b>	<ul style="list-style-type: none"> <li>• ESD</li> </ul>																								
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<b>Documentation/ Source of cost estimation:</b>		
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<b>Weblink:</b>		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
23	Emissions Trading Scheme	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Industrial processes</li> <li>• Energy consumption</li> <li>• Transport</li> </ul>												
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> <li>• Nitrous oxide (N2O)</li> </ul>												
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<b>Quantified Objective</b>													
<b>Short description:</b>	Implementation of the EU ETS - Industrial installations and aviation												
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No												
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Regulatory</li> <li>• Economic</li> </ul>												
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ EU ETS directive 2003/87/EC as amended by Directive 2008/101/EC and Directive 2009/29/EC and implementing legislation, in particular 2010/2/EU, 2011/278/EU and 2011/638/EU</li> </ul> </li> <li>• Other Union Policy</li> </ul>												

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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	Costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute costs per year in EUR:	
	Year(s) for which cost has been calculated:	
	Price reference year:	
	<b>Benefit</b>	
	Benefits in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Absolute benefit per year in EUR:	
	Year(s) for which benefits has been calculated:	
	<b>Net cost</b>	
	Net costs in EUR per tonne CO <sub>2</sub> eq reduced/ sequestered:	
	Net Cost per year in EUR:	
	Year(s) for which net cost has been calculated:	
	Description of cost estimates (basis for cost estimate, what type of costs are included in the estimate, methodology):	
<input type="text"/>		
Documentation/ Source of cost estimation:		
Reference:		
Weblink:		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
24	F-Gas Regulation	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Industrial processes</li> </ul>						
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Hydrofluorocarbons (HFC)</li> <li>Perfluorocarbons (PFC)</li> <li>Sulphur hexafluoride (SF6)</li> </ul>						
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Reduction of emissions of fluorinated gases</td> </tr> <tr> <td>Replacement of fluorinated gases by other substances</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Reduction of emissions of fluorinated gases	Replacement of fluorinated gases by other substances	Sector	Name	
Name							
Reduction of emissions of fluorinated gases							
Replacement of fluorinated gases by other substances							
Sector	Name						
<b>Quantified Objective</b>							
<b>Short description:</b>	Implementation of the F-gas Regulation 517/2014						
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No						
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> </ul>						
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>F-gas Regulation 517/2014</li> </ul> </li> <li>Other Union Policy</li> </ul>						
<b>Implementation Period:</b>	<table border="1"> <thead> <tr> <th>Status of Implementation:</th> <th>Start</th> <th>Finish</th> </tr> </thead> <tbody> <tr> <td>Implemented</td> <td>2014</td> <td></td> </tr> </tbody> </table>	Status of Implementation:	Start	Finish	Implemented	2014	
Status of Implementation:	Start	Finish					
Implemented	2014						
<b>Projections scenario in which the PAM is included:</b>	<p><b>Projections scenario in which the PAM is included:</b></p> <p>With additional measures</p>						

<b>Entities responsible for implementing the policy:</b>	<table border="1"><thead><tr><th data-bbox="531 69 823 120">Type</th><th data-bbox="823 69 1508 120">Name</th></tr></thead><tbody><tr><td data-bbox="531 120 823 172">Government</td><td data-bbox="823 120 1508 172">Portuguese Environment Agency</td></tr></tbody></table>	Type	Name	Government	Portuguese Environment Agency												
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<b>Reference to assessments and underpinning technical reports:</b>	<table border="1"><thead><tr><th data-bbox="531 651 823 703">Reference</th><th data-bbox="823 651 1508 703">URL:</th></tr></thead><tbody><tr><td data-bbox="531 703 823 725"></td><td data-bbox="823 703 1508 725"></td></tr></tbody></table>	Reference	URL:														
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
25	Regulation on CO2 for Cars and Vans	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Transport</li> </ul>								
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>Carbone dioxide (CO2)</li> </ul>								
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th colspan="2">Name</th> </tr> </thead> <tbody> <tr> <td colspan="2">Efficiency improvements of vehicles</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> </tr> </tbody> </table>	Name		Efficiency improvements of vehicles		Sector	Name		
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Implementation of the Regulation 2009/443/EC of the European Parliament and the Council of 23 April Implementation of the Regulation 2011/510/EC of the European Parliament and the Council of 11 May								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> </ul>								
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>Related <ul style="list-style-type: none"> <li>Regulation on CO2 from cars and vans (2009/443/EC and no. 510/2011)</li> </ul> </li> <li>Other Union Policy</li> </ul>								
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<b>Documentation/ Source of cost estimation:</b>		
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
26	Green Fiscal Reform	Group	15 16 22 17

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Cross-cutting</li> <li>• Transport</li> <li>• Energy consumption</li> <li>• Energy supply</li> </ul>									
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>									
<b>Objective(s)</b>	<p><b>Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Name</th> </tr> </thead> <tbody> <tr> <td>Multi-sectoral policy</td> </tr> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Demand management/reduction</td> </tr> <tr> <td>Efficiency improvements of vehicles</td> </tr> <tr> <td>Low carbon fuels/electric cars</td> </tr> <tr> <td>Switch to less carbon-intensive fuels</td> </tr> </tbody> </table> <p><b>Other Objective(s)</b></p> <table border="1"> <thead> <tr> <th>Sector</th> <th>Name</th> </tr> </thead> <tbody> </tbody> </table>	Name	Multi-sectoral policy	Demand management/reduction	Demand management/reduction	Efficiency improvements of vehicles	Low carbon fuels/electric cars	Switch to less carbon-intensive fuels	Sector	Name
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Efficiency improvements of vehicles										
Low carbon fuels/electric cars										
Switch to less carbon-intensive fuels										
Sector	Name									
<b>Quantified Objective</b>										
<b>Short description:</b>	Green Fiscal Reform measures adopted in 2014 and entering into force in 2015 including a carbon tax and incentives for electric mobility									
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	Yes									
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Fiscal</li> </ul>									
<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ RES directive 2009/28/EC</li> <li>◦ Energy Efficiency Directive 2012/27/EU</li> </ul> </li> <li>• Other Union Policy</li> </ul>									

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<b>Projected costs and benefits</b>	<b>Cost</b>	
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<input type="text"/>		
<b>Documentation/ Source of cost estimation:</b>		
<b>Reference:</b>		
<b>Weblink:</b>		

PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
27	Energy Efficiency Action Plan	Group	7 8 12 13 14

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Energy consumption</li> <li>• Transport</li> <li>• Agriculture</li> </ul>													
<b>Greenhouse gas(es) affected:</b>	<ul style="list-style-type: none"> <li>• Carbone dioxide (CO2)</li> </ul>													
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<b>Short description:</b>	Measures included in the national energy efficiency action plan													
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<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Regulatory</li> <li>• Economic</li> <li>• Fiscal</li> <li>• Voluntary/negotiated agreements</li> </ul>													

<b>Union policy which resulted in the implementation of the PAM:</b>	<ul style="list-style-type: none"> <li>• Related <ul style="list-style-type: none"> <li>◦ Eco-design framework directive 2005/32/EC and its implementing regulations, combined with Labelling Directive 2003/66/EC and 2010/30/EC, including implementing measures</li> <li>◦ Recast of the Energy Performance of Buildings Directive (Directive 2010/31/EU)</li> <li>◦ Directive 2006/32/EC on end-use energy efficiency and energy services</li> <li>◦ Energy Efficiency Directive 2012/27/EU</li> <li>◦ EU ETS directive 2003/87/EC as amended by Directive 2008/101/EC and Directive 2009/29/EC and implementing legislation, in particular 2010/2/EU, 2011/278/EU and 2011/638/EU</li> </ul> </li> <li>• Other Union Policy</li> </ul>																								
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**General Comments:**

Resolução do Conselho de Ministros n.º 20/2013 de 10 de abril - Plano Nacional de Ação para a Eficiência Energética (PNAEE)

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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
28	Renewable Energy Action Plan	Group	9 10 11

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>• Energy supply</li> <li>• Transport</li> </ul>								
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Sector	Name								
<b>Quantified Objective</b>									
<b>Short description:</b>	Measures included in the national renewable energy action plan								
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No								
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>• Economic</li> <li>• Regulatory</li> <li>• Information</li> <li>• Planning</li> </ul>								
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**Table 2: Available results of ex-ante and ex-post assessments of the effects of individual or groups of policies and measures on mitigation of climate change**

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**Table 3: Available projected and realised costs and benefits of individual or groups of policies and measures on mitigation of climate change**

<b>Projected costs and benefits</b>	<b>Cost</b>	
	<b>Costs in EUR per tonne CO<sub>2</sub>eq reduced/ sequestered:</b>	
	<b>Absolute costs per year in EUR:</b>	
	<b>Year(s) for which cost has been calculated:</b>	
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	<b>Benefit</b>	
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	<b>Absolute benefit per year in EUR:</b>	
	<b>Year(s) for which benefits has been calculated:</b>	
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PAM number	Name of PAM or group of PAMs	Is this a single PAM or a group of PAMs?	Which policies or measures does it cover?
29	Promotion of Electric Mobility	Single	

**Table 1: Sectors and gases for reporting on policies and measures and groups of measures, and type of policy instrument**

<b>Sector(s) affected:</b>	<ul style="list-style-type: none"> <li>Transport</li> </ul>										
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<b>Short description:</b>	Mobi.E (charging infrastructure) Electric mobility management structure										
<b>Is the policy or measure envisaged with a view to limiting GHG emissions beyond the Member State commitments under Decision No 406/2009/EC?</b>	No										
<b>Type of policy Instrument:</b>	<ul style="list-style-type: none"> <li>Regulatory</li> <li>Economic</li> <li>Planning</li> </ul>										
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