

## EU Green Public Procurement Criteria for Public Space Maintenance

### Comments from the European Environmental Bureau – July 2018

#### Comments form

No.	Comment from	Contact person	Reference: - document - section/task - criterion - page	Subject of the comment	Comment
TS1	EEB	Maria Losman & Stéphane Arditi	TS 1. Engine Exhaust Emissions • Core criteria : The engine exhaust emissions of the mobile machinery must be in compliance with at least one of the following: i. Euro 6 - Regulation 715/2007 ii. Euro VI - Regulation 595/2009 iii. Stage V - REG (EU) 2016/1628	Machinery and machinery services	Good to set a limit so that old (and already used) equipment with more emissions won't be purchased. This is a very basic criteria just saying you have to buy what's allowed to be sold as new products on the market.

TS1	EEB	Maria Losman & Stéphane Arditi	<p>TS 1. Engine Exhaust Emissions</p> <ul style="list-style-type: none"> <li>• Comprehensive criteria : The machinery must operate with zero exhaust emissions.</li> </ul>		<p>Good to get as high percentage electric machinery as possible. To be practically useful in purchasing, this criteria should be expressed: <i>products x, y z must operate with zero exhaust emissions.</i></p> <p>Purchasers have to check the market in advance. There will probably be some special equipment where there is no electric machinery available on the market so it won't be practical in most cases to go for 100% zero emissions, but sometimes it's possible. When purchasing not specific products but rather delivery of machinery during 2-4 years it could be practical with a contract performing clause:</p> <p><i>The supplier is expected to help increase the percentage of machinery with zero exhaust emissions as long as the contract lasts. When someone from us asks for machinery, supplier should always assist in helping to choose machinery with zero exhaust emissions. We will inform our users of the contract how they should ask for the best products, and we expect our supplier to help us with this information.</i></p>
TS5	EEB	Maria Losman & Stéphane Arditi	<p>TS5. Machine Engine Exhaust Emissions (Note: this criterion is not applicable to compact sweepers and spreaders)</p>	Machinery and machinery services	<p>You don't have to leave out compact sweepers and spreaders since it is a % criteria you propose, and it is a service purchasers are going to buy, not products. We suggest JRC leave out the note. It will only complicate things to calculate percentage. You also give the impression it's impossible to get zero emissions in certain products, which is not true.</p>

CPC1	EEB	Maria Losman & Stéphane Arditi	CPC 1. Machine Engine Exhaust Emissions (Note: this criterion applies only if the replacement machinery satisfies operational needs as defined by the contracting authority and is agreed with the service provider) Core and comprehensive criteria: If the machinery employed for the service is to be replaced during the contract, the replacement must be machinery with zero exhaust emission.	Machinery and machinery services	Excellent ambition. But perhaps you for practical reasons should add: <i>...in case there are such products available on the market.</i> Otherwise you may but the contractor (and yourself as purchaser) in an impossible situation.
TS6	EEB	Maria Losman & Stéphane Arditi	TS6. Air pollutant emissions performance (Note: this criterion is only applicable to compact sweepers and spreaders) • Core criteria : The air pollutant emissions performance of the engine of the sweepers and spreaders used in carrying out the service must be in compliance with the following:	Machinery and machinery services	Ok, but you could include a note that percentage may be able to be higher. Purchasers always have to check what's feasible with local/regional suppliers of services anyway.

			<p>1) Must be at least Stage IV or Euro 5/V</p> <p>2) Must be Stage V or Euro 6/VI</p> <ul style="list-style-type: none"> <li>- 2019: 30% of sweepers and spreaders must meet Stage V or Euro 6/VI</li> <li>- 2020: 40% of sweepers and spreaders must meet Stage V or Euro 6/VI</li> <li>- 2021: 50% of sweepers and spreaders must meet Stage V or Euro 6/VI</li> <li>- 2021: 60% of sweepers and spreaders must meet Stage V or Euro 6/VI</li> </ul> <p>3) Must be zero exhaust emission</p> <ul style="list-style-type: none"> <li>- 2019: 20% of sweepers and spreaders must be zero exhaust emission</li> <li>- 2020: 25% of sweepers and spreaders must be zero exhaust emission</li> <li>- 2021: 30% of sweepers and spreaders must be zero exhaust emission</li> <li>- 2022: 35% of sweepers and spreaders must be zero exhaust</li> </ul>		
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			emission		
TS2	EEB	Maria Losman & Stéphane Arditi	<p>TS 2. Battery rechargeability and quality</p> <ul style="list-style-type: none"> <li>• Core and Comprehensive criteria: The battery must meet the performance requirements specified below:</li> </ul> <p>1) EN 61951-2 – Nickel-Metal Hydride Batteries  2) EN 61960 – Lithium Ion Batteries</p>	Machinery and machinery services	Excellent.
AC2 and AC5	EEB	Maria Losman & Stéphane Arditi	<p>AC 2. Battery heavy metal content</p> <ul style="list-style-type: none"> <li>• Core and Comprehensive criteria : Points will be awarded for the provision of battery-powered machinery employing rechargeable batteries with lower heavy metal</li> </ul>	Machinery and machinery services	Nothing wrong with this except JRC have an extremely high opinion of what purchasers in general are prepared to do at work. When it comes to buying services this is even more farfetched.

			<p>concentration than those specified below:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Mercury &lt; 0.1 ppm;</li> <li><input type="checkbox"/> Cadmium &lt; 1.0 ppm;</li> <li><input type="checkbox"/> Lead &lt; 5 ppm</li> </ul>		
TS3 and CPC2	EEB	Maria Losman & Stéphane Arditi	<p>TS3. Machinery Lubricant (This criterion is applicable only if the relevant lubricants are included at the time of purchase)</p> <ul style="list-style-type: none"> <li>• Core and Comprehensive criteria: Hydraulic fluids, gear oils, chainsaw oils, two-stroke oils and greases used in PSM machinery must not have Health or Environmental Hazard statement or R-phrase at the time of application (Lowest classification limit in Regulation (EC) No. 1272/2008 or Council Directive 99/45/EC). The cumulative mass percentage of</li> </ul>	Machinery and machinery services	Ok.

			substances present in the hydraulic fluids and greases that are both non-biodegradable and bioaccumulative must not be more than 0.1% (w/w).		
TS1	EEB	Maria Losman & Stéphane Arditì	<p>TS1. Technological options to reduce GHG emissions (Note: this criterion is applicable to heavy duty vehicles and special purpose vehicles) The vehicle must be equipped by one of the following technologies demonstrating WTW GHG emissions reduction</p> <ul style="list-style-type: none"> <li>- Improvement in aerodynamics: active flow control (only for trucks used in regional duty cycles) (ONLY CORE)</li> <li>- Improvement in aerodynamics: Boat tails / extension panels (only for trucks used in regional duty cycles)</li> </ul>	Vehicles and service fleets	<p>This could be expressed better so that it's clear you can't just make improvements in aerodynamics and hybrids and equal that with full electric vehicles. Like this:</p> <p><b>Core:</b>  <i>The vehicle shall be equipped by one of the following technologies demonstrating WTW GHG emissions</i></p> <ul style="list-style-type: none"> <li>• <i>Improvement in aerodynamics: active flow control (only for trucks used in regional duty cycles)</i></li> <li>• <i>Improvement in aerodynamics: Boat tails / extension panels (only for trucks used in regional duty cycles)</i></li> <li>• <i>Load-sensing-hydraulic system (for sweepers and spreaders): the flow-capacity of the pump will be regulated through the load-sensing-pressure.</i></li> </ul> <p><b>Core:</b></p> <ul style="list-style-type: none"> <li>• <i>Hybrid vehicles, both diesel and natural gas</i></li> <li>• <i>Plug-in hybrid: Vehicle equipped with a battery pack which can be charged from the grid and provides the energy for the electrical drive of the body and equipment</i></li> </ul> <p><b>Comprehensive:</b>  <i>The vehicle shall be equipped by one of the following technologies demonstrating WTW GHG emissions reduction</i></p>

		<p>(ONLY CORE)</p> <ul style="list-style-type: none"> <li>- Hybrid vehicles, both diesel and natural gas (ONLY CORE)</li> <li>- Full Electric vehicles</li> <li>- Hydrogen fuel Cell Electric vehicles.</li> <li>- OEM dual-fuel natural gas vehicle with a gas energy ratio over the hot part of the WHTC test-cycle of at least 50%.</li> <li>- High pressure direct injection natural gas vehicles</li> <li>- Plug-in hybrid: Vehicle equipped with a battery pack which can be charged from the grid and provides the energy for the electrical drive of the body and equipment</li> <li>- Load-sensing-hydraulic system (for sweepers and spreaders): the flow-capacity of the pump will be regulated through the load-sensing-pressure.</li> <li>- Dedicated natural gas vehicles under the conditions set in the note below.</li> </ul>		<ul style="list-style-type: none"> <li>• Full Electric vehicles</li> <li>• Fuel Cell Electric vehicles.</li> </ul> <p>Natural gas should be: <i>The contracting authority may include dedicated natural gas vehicles if they have a supply of renewable methane meeting at least 50% of their demand.</i></p>
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			Note: The contracting authority may include dedicated natural gas vehicles if they have a supply of renewable methane meeting at least 15% of their demand.		
TS2	EEB	Maria Losman & Stéphane Arditi	TS2. Cyclelogistics Core and Comprehensive (in cities where the urban infrastructure is suitable). The tenderer must offer a service fleet that includes the use of cycles and cycle trailers, which may be electrically power assisted cycles, to minimise the use of motorised vehicles, according to the measures to minimise the environmental issues set by the TS1 Environmental management practices within the common criteria for service categories (see section 7.2)	Vehicles and service fleets	Excellent.

TS2 and TS4	EEB	Maria Losman & Stéphane Arditi	<p>TS2. Tyre Pressure Monitoring Systems (TPMS) Core and Comprehensive Note: this criterion is not applicable to special-purpose vehicles LCVs and heavy-duty vehicles must be equipped with tyre pressure monitoring systems (TPMS) or with sensors that enable the monitoring at the operator site.</p>	Vehicles and service fleets	Ok
TS4	EEB	Maria Losman & Stéphane Arditi	<p>TS4. Vehicle tyres – rolling resistance Core and Comprehensive Note: this criterion is not applicable to special purpose vehicles The vehicles shall be equipped with</p> <ul style="list-style-type: none"> <li>• Tyres that comply with the highest fuel energy efficiency class for rolling resistance expressed in kg/tonne, as defined by Regulation (EC) No 1222/2009 of the European Parliament and of the Council of 25 November 2009 on the labelling of</li> </ul>	Vehicles and service fleets	Please note that this could mean new vehicles has to change tyres before delivery. Better to demand when buying services on highest <u>available</u> energy efficiency when changing tyres or indeed retreaded tyres.

			<p>tyres with respect to fuel efficiency and other essential parameters. This requirement shall not prevent the public authority from purchasing tyres with the highest wet grip class where justified by safety</p> <p>OR</p> <ul style="list-style-type: none"> <li>• Retreaded tyres</li> </ul>		
AC1	EEB	Maria Losman & Stéphane Arditi	<p>AC1. Air conditioning gases</p> <p>Comprehensive Points will be awarded to those HDVs equipped with an air conditioning system that use a refrigerant with a global warming potential (GWP), related to CO2 and a time horizon of 100 years, &lt; 150.</p>	Vehicles and service fleets	Ok
CPC1	EEB	Maria Losman & Stéphane Arditi	<p>CPC1. Low viscosity lubricant oils</p> <p>Comprehensive Unless the manufacturer of the vehicle recommends other type of lubricant, the contractor shall replace the lubricants of the vehicles</p>	Vehicles and service fleets	Ok

			<p>providing the service with low viscosity engine lubricant oils (LVL). LVL are those corresponding to SAE grade number 0W30 or 5W30 or equivalent. The contractor will keep records which shall be made available to the contracting authority. The contracting authority may set rules for penalties for non-compliance.</p>		
TS3	EEB	Maria Losman & Stéphane Arditi	<p>TS3. Air pollutant emissions performance</p> <ul style="list-style-type: none"> <li>• Core and Comprehensive criteria: N3 vehicles and N2 vehicles with a reference mass exceeding 2 610 kg must meet Euro VI. N2 vehicles with a reference mass not exceeding 2 610 kg must comply with the TS2 Air pollutant emission performance of the EU GPP of Transport criteria for cars and LCVs (Category 1). Special purpose</li> </ul>	Vehicles and service fleets	Ok.

			vehicles must meet Euro VI or Euro 6, depending on the reference mass of the vehicle they are mounted.		
TS6	EEB	Maria Losman & Stéphane Arditi	TS6. Air pollutant emissions (These criteria apply only if the operators owns or leases the service fleet) All HDV and LDV of the service fleet must meet at least Euro V/5*, while all L-category must meet Euro 3. (followed by table with a lot of %)	Vehicles and service fleets	Ok, but you could include a note that percentage may be able to be higher. Purchasers always have to check what's feasible with local/regional suppliers of services anyway.
AC3 and AC2	EEB	Maria Losman & Stéphane Arditi	AC3. Improved air pollutant emissions performance • Core and Comprehensive Criteria: N3 vehicles and N2 vehicles with a reference mass exceeding 2 610 kg and special purpose vehicles. Points will be awarded to the	Vehicles and service fleets	Good, but should preferably be transformed to technical specification when purchaser has done a proper job checking the local/regional market before purchasing. As is suggested by JRC in TS6.2. <b>Air pollutant emissions (Comprehensive)</b> <b>In case of urban areas with air quality issues LDVs and L-category vehicles must have zero tailpipe emissions.</b>

			following technologies: natural gas; plug in hybrid electric vehicles (PHEV); battery electric vehicles (BEV) and hydrogen fuel cell electric vehicles (FCEV).		
AC4 and TS5	EEB	Maria Losman & Stéphane Ardit	<p>CORE AC4. Water recirculation systems (If the contracting authority is requiring sweepers that use water for dust suppression) Points will be awarded to sweepers that are equipped with a water recirculation system meaning a system that recirculate part of the water that is used for dust suppression. The water is spread and then removed together with the dust by the sweeper. The machine filters the wastewater and it is recirculated to the water tank.</p>	Vehicles and service fleets	Ok.

TS6	EEB	Maria Losman & Stéphane Ardit	<p>Distribution performance</p> <ul style="list-style-type: none"> <li>• Core and Comprehensive criteria: The spreader model must comply with the requirements on distribution performance set by EN 15597-2, which comprises the following parameters:</li> </ul> <ul style="list-style-type: none"> <li>- dosage</li> <li>- spreader start</li> <li>- lateral distribution</li> </ul>	Vehicles and service fleets	Ok, but this is suddenly a quality demand among all the environmental demands. There could be many quality demands in this set of criteria but that's not really the scope even though there's always a link between quality and environment.
AC5, AC6, TS7 and CPC3,	EEB	Maria Losman & Stéphane Ardit	All noise demands.	Vehicles and service fleets	Perhaps feasible when buying products but hardly services if you are not an extremely interested purchaser with a lot of time available for following up contracts. When buying services it's better to express demands like this: <i>When buying new tyres, new machinery and vehicles, new products must be chosen with highest available energy efficiency and low noise. Retreaded tyres are accepted.</i>

TS1	EEB	Maria Losman & Stéphane Arditi	At least 30% (core) and (50% (comprehensive) with long definition of demand to use of cleaning products with low environmental impacts	Cleaning products	The percentages are really low! Should be at least 60% (core) and 80% (comprehensive). JRC could also add a contract clause since you probably purchase cleaning products from a supplier during 2-4 years: <i>The supplier is expected to help increase the percentage of cleaning products with low environmental impact as long as the contract lasts. When someone from us asks for cleaning products, supplier should always assist in helping to choose products with low environmental impact. We will inform our users of the contract how they should ask for the best products, and we expect our supplier to help us with this information.</i>
TS2	EEB	Maria Losman & Stéphane Arditi	Core and Comprehensive Criteria (same formulation): Chemical graffiti removal products must not be classified and labelled as being acutely toxic, a specific target organ toxicant, a respiratory or skin sensitiser, carcinogenic, mutagenic or toxic for reproduction, or hazardous to the environment, in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (the 'CLP Regulation').	Cleaning products	Ok, but graffiti removal products are actually “cleaning products” so you already have a demand including that in TS1. To have a special demand for graffiti removal will just be confusing.

TS3	EEB	Maria Losman & Stéphane Arditi	<p>TS3. De-icing and snow removal products (same formulation): Core and Comprehensive Criteria: De-icing and snow removal products must not be classified and labelled as being acutely toxic, a specific target organ toxicant, a respiratory or skin sensitiser, carcinogenic, mutagenic or toxic for reproduction, or hazardous to the environment, in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures ('CLP Regulation').</p>	<p>Cleaning products, De-icing and snow removal products</p>	<p>JRC have identified there are differences between de-icing products so we suggest to keep the core criteria as JRC proposes, but take a step further at the comprehensive level.</p> <p>Comprehensive criteria: <i>De-icing and snow removal products must meet the requirements of ecolabelling according to the Nordic Swan, German Blue Angel or equivalent ecolabelling system.</i></p>
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AC2	EEB	Maria Losman & Stéphane Ardit	<p>AC2. Compostable bin bags (Note: This criterion applies if biowaste is collected separately and processed by industrial composting plants that accept compostable bags.)</p> <ul style="list-style-type: none"> <li>• Comprehensive Criteria:</li> </ul> <p>Points will be awarded to bin bags used to collect biowaste that are compostable according to standards EN 14995:2007, EN 13432:2000, or equivalent.</p>	Cleaning products, Consumable goods	Ok
TS4	EEB	Maria Losman & Stéphane Ardit	<p>Cleaning, de-icing and snow removal products used for the provision of cleaning services</p>	Cleaning services	<p>Please note that JRC has written as they have suggested a difference between core and comprehensive, referring to the products used, with they have not suggested on product level. We argue it's possible to take a step further at the comprehensive level and ask for ecolabelled products to be used.</p>

TS5	EEB	Maria Losman & Stéphane Arditi	<p>TS5. De-icing and snow removal operations Core and Comprehensive (same formulation) The tenderers must have written procedures on de-icing and snow removal operations which must be implemented by a combination of any of the following techniques:</p> <ul style="list-style-type: none"> <li>• Mechanical removal of snow;</li> <li>• Anti-icing;</li> <li>• Prewetting</li> </ul>	Cleaning services	<p>Pre-wetting in deicing of paths? JRC should perhaps check if there is some confusion with de-icing at airports or dust-binding methods.</p> <p>What does this criteria lead to anyway but paper work? Anti-icing agents could be an environmental problem, JRC writes but this is not addressed in the criteria. We suggest to use a contract performing clause like this:</p> <p><i>Supplier must have routines to decrease the use of road salts.</i></p>
TS6	EEB	Maria Losman & Stéphane Arditi	<p>TS6. Reduction of PM10 street dust Core and Comprehensive criteria (same formulation): The tenderers must have written procedures on PM10 street dust reduction measures which must be implemented by means of the following best practices or other relevant measures:</p> <ul style="list-style-type: none"> <li>- Traction control practices (traction</li> </ul>	Cleaning services	Ok.

			<p>sanding using wet sieved and wear resistant rock material);</p> <ul style="list-style-type: none"> <li>- Implement dust binding practices (dust binding solutions, dispersion techniques);</li> <li>- Street cleaning practices (mechanical &amp; vacuum sweepers, street scrubbers, combinations).</li> </ul>		
CPC1	EEB	Maria Losman & Stéphane Arditi	<p>CPC1. Cleaning services plan (Note: the contracting authority needs to agree with the contractor a cleaning plan aimed at gradually reducing the amount of cleaning products to be used for the purchase of cleaning services to allow the contractor to comply with this CPC)</p> <p>Core and Comprehensive criteria (same formulation)</p> <p>The cleaning plan must cover all applicable elements of the service categories (see common service criteria category in</p>	Cleaning services	<p>Ok, but could be expressed even clearer like this:</p> <p>... including at least the following:</p> <ol style="list-style-type: none"> <li>1) energy and water consumption;</li> <li>2) use of less cleaning agents and substitution to less environmentally unwanted products.</li> <li>3) staff training and working instructions</li> </ol>

			Chapter 7) including at least the following: 1) energy and water consumption; 2) use of cleaning agents; 3) staff training and working instructions		
CPC2	EEB	Maria Losman & Stéphane Arditi	CPC2. Weed Control Operational procedures and best practices <u>Core</u> In addition to the requirements set up by local regulations concerning their application, chemical herbicides must not be applied: 1) 4 days before or after the area is swept; and 2) in the event (or high probability of occurrence) of precipitation or dew, to prevent herbicides from being washed off the plants. Herbicides must be used in line with the most recent valid version of the	Cleaning services	With JRC:s way of expressing criteria, vinegar is not allowed on the comprehensive level. It is a most effective weed control chemical and often used between stones etc. Harmless to the environment.  We suggest a core criteria without pesticides or herbicides, like this:  <i>Weed and pest control must be carried out by applying non-chemical treatment methods (except for vinegar) such as thermal, mechanical or biological treatments.</i>  <i>If the contractor finds it impossible to avoid using weed killers other than vinegar or pesticides in a specific situation, an exception may be discussed with client. If the client agrees that the use of weed killers is necessary, the contractor must get a written permission before usage.</i>

		<p>sustainable weed control on pavements method. Records of herbicides, application rates and schedules must be kept and made available to the contracting authority for verification purposes. The contracting authority may set rules for penalties for non-compliance.</p> <p><u>Comprehensive Weed control</u> must be carried out by applying non-chemical treatment methods such as thermal, mechanical or biological treatments. Records of non-chemical treatment methods and application schedules must be kept and available to the contracting authority for verification purposes. The contracting authority may set rules for</p>		
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			penalties for non-compliance		
TS7	EEB	Maria Losman & Stéphane Arditi	TS7. Graffiti removal products used for the provision of cleaning services Core and Comprehensive criteria (same formulation): The graffiti removal products used for the provision of the cleaning services must be compliant with the requirements of the relevant technical specifications (TS2). Verification: See the verification of the relevant technical specifications (TS2).	Cleaning services	Ok, but graffiti removal products should have the same criteria as cleaning agents.

TS1	EEB	Maria Losman & Stéphane Arditi	<p>At least X%a of purchased ornamental plants must be either:</p> <p>1) Organic: grown according to the requirements laid down in Regulation (EC) No 834/2007, the US National Organic Programme (NOP) or equivalent legal obligations set by trade partners of the EU;</p> <p>or</p> <p>2) Integrated Pest Management (IPM): grown according to IPM principles as defined by the UN Food and Agricultural Organisation (FAO) IPM programme or EU Directive 2009/128/EC</p>	Ornamental plants	<p>Organic is better than integrated pest management, they are not equivalent. We suggest to divide this criteria like this:</p> <p><i>At least X% of purchased ornamental plants must be Organic...</i></p> <p><i>At least X% of purchased ornamental plants must be grown according to Integrated Pest Management ...</i></p>
AC1	EEB	Maria Losman & Stéphane Arditi	<p>AC1. Additional ornamental plants Core and Comprehensive criteria (same formulation): Points will be awarded in proportion to each 10 % improvement upon the minimum technical specification of</p>	Ornamental plants	<p>We propose that organic plants get points, not IPM plants.</p>

			certified IPM or organic ornamental plant.		
TS2	EEB	Maria Losman & Stéphane Arditi	<p>TS2. Plants containers and packaging</p> <p>Comprehensive criteria: Plants must be delivered in containers (or crates or boxes in the case of small plants) that are one of the following:</p> <ul style="list-style-type: none"> <li>- Reusable (the tenderer must have a take-back system in place)</li> <li>- Biodegradable according to EN 14995:2007 or EN 13432:2000 standard</li> <li>- If there are municipal composting facilities, compostable according to EN 14995:2007 or EN 13432:2000</li> </ul>	Ornamental plants	Ok.

			standard.		
TS3	EEB	Maria Losman & Stéphane Ardit	<p>TS3. Invasive alien species: (Note: Preference should be given to plant species native to the area. If alien species are planted, ascertain that they will not become invasive, and take into account local or national policies for the control of invasive alien species, and the European policies on invasive alien species (EU Regulation 1143/2014).) Core and Comprehensive criteria: The ornamental plants purchased must be native. If alien species are planted, it shall</p>	Ornamental plants.	Ok.

			be ascertained that they will not become invasive.		
TS4	EEB	Maria Losman & Stéphane Arditi	Organic constituents of soil improvers and mulch Core Criteria: The following materials....  Comprehensive: .....	Soil improvers	Ok.
TS5	EEB	Maria Losman & Stéphane Arditi	TS5. Hazardous substances (heavy metals) in soil improvers	Soil improvers	Ok.

TS6	EEB	Maria Losman & Stéphane Arditi	TS6. Physical contaminants in soil improvers	Soil improvers	Ok
TS9	EEB	Maria Losman & Stéphane Arditi	<p>The automatic irrigation systems must allow for detailed parametrization, namely in what concerns:</p> <ul style="list-style-type: none"> <li>• Allowing the set-up of different irrigation zones;</li> <li>• Possibility to adjust the volume of dispensed water by zones;</li> <li>• Possibility to program watering time periods by zones;</li> <li>• Possibility to measure soil humidity level and to automatically block the irrigation when it is high enough (as defined by the contracting authority), for example after rain, by zones.</li> </ul>	Automatic irrigation	Ok.

TS10	EEB	Maria Losman & Stéphane Arditi	<p>TS10. Ornamental plants and soil improvers used for the provision of gardening services Similar for Core and Comprehensive Criteria:</p> <ul style="list-style-type: none"> <li>- The ornamental plants supplied during the provision of the gardening services must be compliant with the requirements of the relevant technical specifications (TS1 to TS3) at Core/Comprehensive level.</li> <li>- The soil improvers used for the provision of the gardening services must be compliant with the requirements of the relevant technical specifications (TS4 and TS5) at Core /Comprehensive level.</li> </ul>	Gardening service	<p>We propose a contract clause</p> <p><i>At least X% of purchased ornamental plants must be organic. Contractor should strive to increase percentage during contract period. When organic plants are not available, contractor must chose plants grown according to Integrated Pest Management.</i></p> <p><i>(with the definitions of “organic” and IPM”)</i></p>
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TS11	EEB	Maria Losman & Stéphane Arditi	<p>TS11. Pest control and invasive alien species management (This could be combined with an award criterion evaluating the quality of such a plan).  Core criteria: The tenderer must present an annual Phytosanitary Treatment Plan.  These plans will take into account local or national policies for control of invasive alien species, and of the European policies on invasive alien species (EU Regulation 1143/2014).  The plan must comply with the provisions of EU Directive 2009/128 / EC on the sustainable use of pesticides and according to the local policies on the use of chemicals.  Comprehensive Criteria: The tenderer must present an annual Phytosanitary Treatment Plan,</p>	Gardening service	<p>JRC asks a lot of a tenderer to work on a plan before she/he has got any contract. It's also extremely difficult to evaluate the quality of such a plan. This is suitable for a contract clause, as JRC also suggests.</p>
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			<p>which must only include nonchemical treatment methods such as thermal, mechanical or biological treatments. These plans will take into account local or national policies for control of invasive alien species, and of the European policies on invasive alien species (EU Regulation 1143/2014).</p>		
CPC1	EEB	Maria Losman & Stéphane Arditi	<p>CPC1. Watering practices            Note: The contracting authority needs to specify the use of locally recovered water sources (as a combination of rainwater, ground water and filtered grey water) based on the availability of infrastructure in order to allow the contractor to comply with this contract performance clause.            Core and Comprehensive criteria</p>	Gardening service	Excellent.

			<p>Watering practices must:</p> <ul style="list-style-type: none"> <li>- Use rain, reclaimed, recycled or phreatic water when technically possible.</li> <li>- Minimize the use of potable water.</li> <li>- Apply mulching to avoid evaporation in the areas specified by the contracting authority.</li> <li>- Use automatic irrigation systems as provided by the contracting authority and fit the volume of dispensed water according with plant needs. In this case the contractor will be in charge of the maintenance of the said irrigation system.</li> </ul>		
CPC2	EEB	Maria Losman & Stéphane Arditi	<p>CPC2. Waste management (the contracting authority can/should limit the management options according to the local circumstances) Core and Comprehensive criteria: Waste produced during the carrying out of gardening services</p>	Gardening service	Ok

		<p>must be collected separately and managed as follows:</p> <ul style="list-style-type: none"> <li>- All organic waste (dry leaves, pruning, grass) must be composted "in-situ", in the company facilities or by contracting out this practice to a waste treatment enterprise.</li> <li>- Woody organic waste from branches, etc. must be shredded "in situ" or in the company facilities and used as mulching in the agreed areas.</li> <li>- Packaging waste must be separated into the existing urban waste fractions and placed into the corresponding street containers (paper, plastic and other - available waste streams to be inserted.). However, packaging waste of dangerous substances, such as plant protection products, must be disposed of safely in</li> </ul>		
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			approved collection points or through an authorized waste manager for further treatment.		
CPC3	EEB	Maria Losman & Stéphane Ardit	<p>CPC3. Pest control and invasive alien species management</p> <p>Core and Comprehensive criteria: The contractor will carry out the service according to the Phytosanitary Treatment Plan following the Directive 2009/128/EC on sustainable use of pesticides.</p> <p>The presence of any plants or animals suspected to be invasive must be reported to the contracting authority and adequate control measures must be defined in joint agreement.</p> <p>Records of plant protection operations</p>		OK

			for pest control and invasive alien species management actions, including specific techniques and products used must be kept by professional users following the Regulation (EC) No 1107/2009 and made available to the contracting authority for verification purposes.		
CPC4	EEB	Maria Losman & Stéphane Arditi	CPC4. Gardening practices and enhancement of biodiversity Note: The contracting authority needs to provide the contractor with the practices to be implemented to enhance biodiversity* Core and Comprehensive criteria: The contractor must carry out gardening practices to enhance biodiversity that may involve a combination of the	Gardening services	Excellent.

			following: - ensuring that no species will exceed the X% of all the ornamental plants or trees planted - developing spontaneous natural flora and fauna** - implementing best landscaping and forestry activities measures***		
SC1	EEB	Maria Losman & Stéphane Arditi	SC1. Competences of the tenderer	Environmental management measures	Ok
TS1	EEB	Maria Losman & Stéphane Arditi	TS1. Environmental management measures	Environmental management measures	Ok, but please open up to other verifications than EMAS and ISO14001!

DRAFT WORK IN PROGRESS

CPC2	EEB	Maria Losman & Stéphane Arditi	<p>CPC2. Environmental management measures Core and Comprehensive. The contractor must document and report, over the contract duration: - the results of the monitoring of indicators - the maintenance activities - the results of the evaluation and the correction and prevention actions, where applicable, according to the written procedures provided for the verification of the TS1 Environmental management measures</p>	Environmental management measures	Ok. If it's not overdone and if somebody on the purchasing side of the contract take an interest in these reports.
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