



# EU Green Public Procurement Policy

**European Commission  
Environment Directorate-General  
Robert Kaukewitsch**

## What is Green Public Procurement?

“...a process whereby public authorities seek to procure goods, services and works with a reduced environmental impact throughout their life cycle when compared to goods, services and works with the same primary function that would otherwise be procured.”

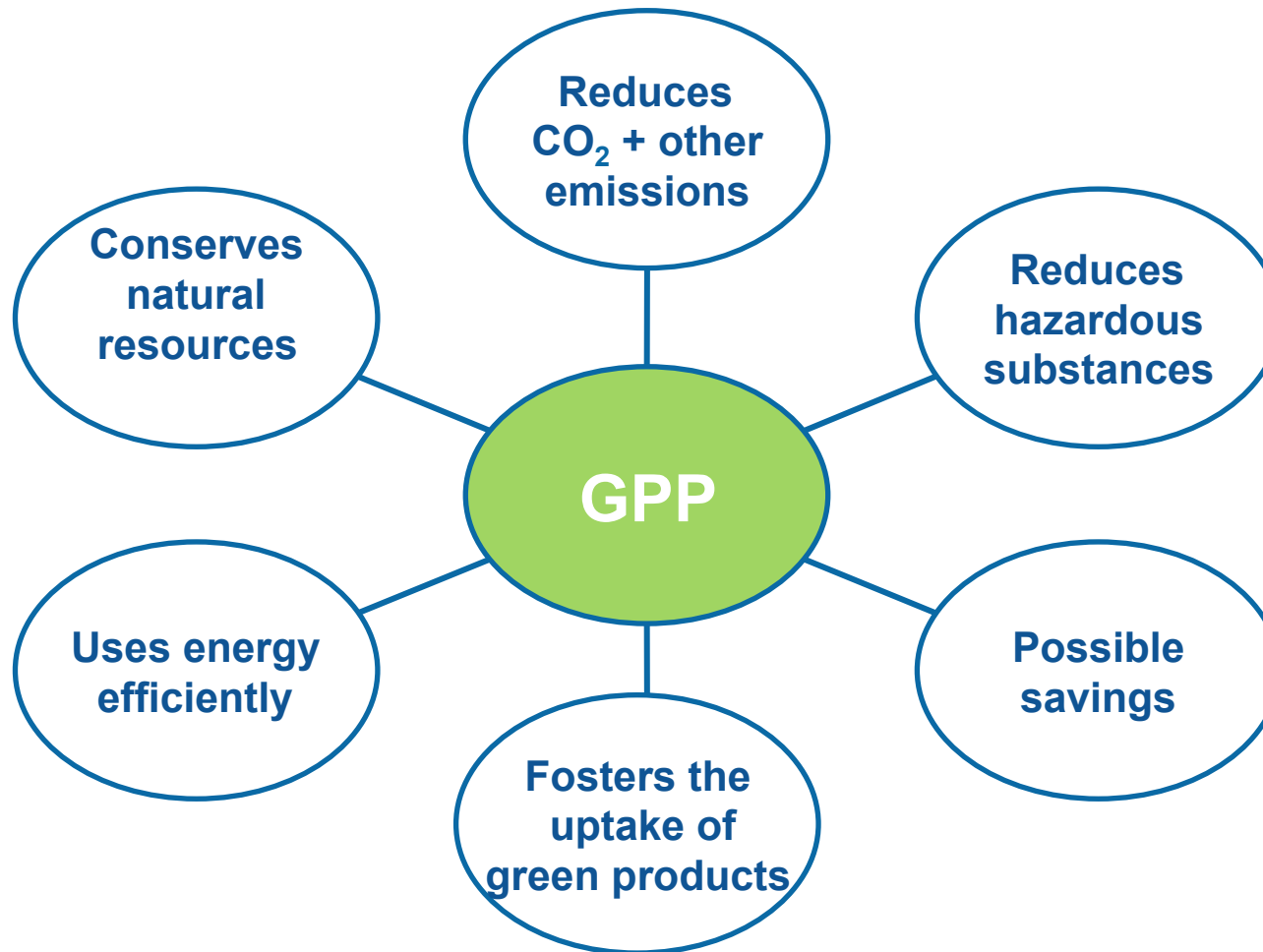




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## GPP benefits





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## Achieving different objectives at a time

- By purchasing less polluting buses, you can buy public transport and clean air
- By purchasing renewables, you buy electricity and reduce CO<sub>2</sub> emissions
- By purchasing organic produce, you buy food and reduce pollution and improve animal welfare



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## So why don't we do it all? Obstacles to GPP

- Lack of political support
- Green products are perceived to cost more
- Lack of knowledge on how to verify green criteria
- Lack of awareness of the benefits of green products
- Lack of legal expertise

→ *Commission support to overcome these obstacles*



## Communication (2008) Public Procurement for a Better Environment

- Political target: 50% of tendering procedures to be green by 2010
- Common EU GPP criteria for priority products/services
- Legal/operational guidance: GPP Training Toolkit
- GPP National Action Plans



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## GPP is voluntary...with some exceptions

- **Energy Star Regulation (2008):** obligation to buy office equipment at least as efficient as the Energy Star
- **Clean Vehicles Directive (2009):** obligation to buy environmental friendly vehicles (taking at least CO<sub>2</sub>, PM10, NO<sub>x</sub> and NMHC), life cycle tool!





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## GPP is voluntary...with some exceptions

- **Energy Efficiency Directive (adopted October 2012):**  
"soft" obligation to purchase energy efficient buildings and equipment of the highest energy labelling class: only for central government (regional and local government should be "encouraged" to do so), only for purchases above the value thresholds and only "insofar as this is consistent with cost-effectiveness, economic feasibility, wider sustainability, technical suitability, as well as sufficient competition".







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## EU Ecolabel



Voluntary

« Label of excellence »

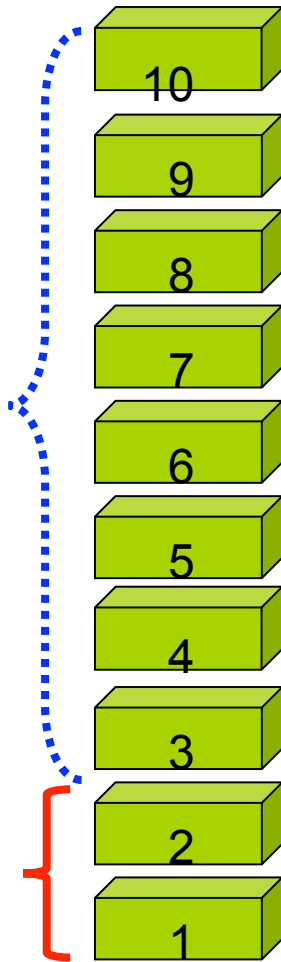
### Ecodesign:

Voluntary benchmarks

Compulsory minimum requirements

### Ecodesign

Exclusion from markets



Product Category

## Labelling Directive

A+++

A++

A+

A

B

C

D

E

Incentives



## EU GPP

Stimulate market for better products ensuring adequate competition



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## How much GPP is being done in the EU?

- 2008 study: 50% target more or less achieved in the 7 most advanced Member States for 10 product and service groups
- Netherlands 2011: 99.8% of public procurement at national level in 2010 was green (target: 100%), provinces: 96% (target: 50%), municipalities 86 to 90% (target: 75%)
- 2011 Study: 50% target not met across the whole of the EU (26%), but more than 50% of public authorities are doing some sort of green procurement





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## Influence of EU GPP policies on Member States

- Almost all do have National Action Plans in place
- MS often refer to EU GPP criteria in their national policies: 53% of procurers and 50% of policy makers use or recommend criteria which are the same or very similar to the EU GPP criteria (public consultation in 2012).





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## Some examples

- The City of Vienna saved €44.4 million and over 100,000 tonnes of CO<sub>2</sub> between 2004 and 2007, through its EcoBuy programme.
- £40.7 million could be saved in the UK if proposed GPP furniture criteria are applied according to a cost-benefit analysis which monetarised the potential impacts.





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## Future developments of GPP

### *7<sup>th</sup> Environmental Action Programme and European Resource Efficiency Platform Recommendations*

- Set up more solid GPP monitoring system
- Evaluate options for further sector specific legislation
- Promote networking of public procurers
- Link with EU Funding



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## 20 + EU GPP Criteria

Construction, Electricity, Cleaning Products and Services, Textiles, Food and Catering Services, Furniture, Office IT equipment, Paper, Gardening Products and Devices, Transport, Windows, Thermal insulation, Wall Panels, Hard Floor Coverings, Cogenerations (CHP), Street Lighting and Traffic Signals, Mobile Phones, Indoor Lighting, Waste Water Infrastructures, Sanitary Tapware

red = currently under revision





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## Criteria under development/revision

- Imaging Equipment
- Buildings
- Furniture
- Heating Systems
- Toilets
- Electrical Medical Equipment (SEMCo)
- Paints and Varnishes
- Roads
- Lighting (office and street lighting)
- Textiles





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## Two levels of criteria

**Core criteria:** address the key environmental impacts, designed to be used with minimum additional verification effort or cost increases.

**Comprehensive criteria:** to purchase the best environmental products available on the market, possibly requiring additional verification efforts or a slight increase in cost compared to other products with the same functionality.



*GPP criteria are largely based on standard Type I ecolabels.  
It is however not allowed to ask for products to have a specific label.*





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## All EU GPP Criteria (existing and future)

Construction, Electricity, Cleaning Products and Services, Textiles, Food and Catering Services, Furniture, Office, IT equipment, Paper, Gardening, Products and Devices, Transport, Windows, Thermal insulation, Wall Panels, Hard Floor Coverings, Cogenerations (CHP), Street Lighting and Traffic Signals, Mobile Phones, Indoor Lighting, Waste Water Infrastructures, Sanitary Tapware, Imaging Equipment, Heating Systems, Toilets, Electrical Medical Equipment, Paints and Varnishes, Roads



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## Criteria of interest for the Health Care Sector

Construction, Electricity, Cleaning Products and Services, Textiles, Food and Catering Services, Furniture, Office, IT equipment, Paper, Gardening, Products and Devices, Transport, Windows, Thermal insulation, Wall Panels, Hard Floor Coverings, Cogenerations (CHP), ~~Street Lighting and Traffic Signals~~, Mobile Phones, Indoor Lighting, ~~Waste Water Infrastructures~~, Sanitary Tapware, Imaging Equipment, Heating Systems, Toilets, Electrical Medical Equipment, Paints and Varnishes, ~~Roads~~

Requirements in the different product groups are for voluntary use, you can choose according to your priorities, ambition level, experience etc



# The EU GPP draft criteria for medical devices

*Criteria development process started in 2011*

*Led by SEMCo (Swedish Environment Management Council)*

*Scope:*

- **Phase I: health care EEE**
- **Phase II: consumables & pharmaceuticals**

*Phase I will be published end of 2013*





## Draft criteria for 20 types of equipment

Anaesthesia equipment

CT

Dialysis equipment

Diathermy equipment

Disinfectors

ECG equipment

Endoscopy equipment

Incubators for babies

Infusion pumps

Intensive care equipment

Laser instruments for surgery

Medical freezers

Medical lighting

Monitoring equipment

MRI

Patient warming systems

Sterilizers

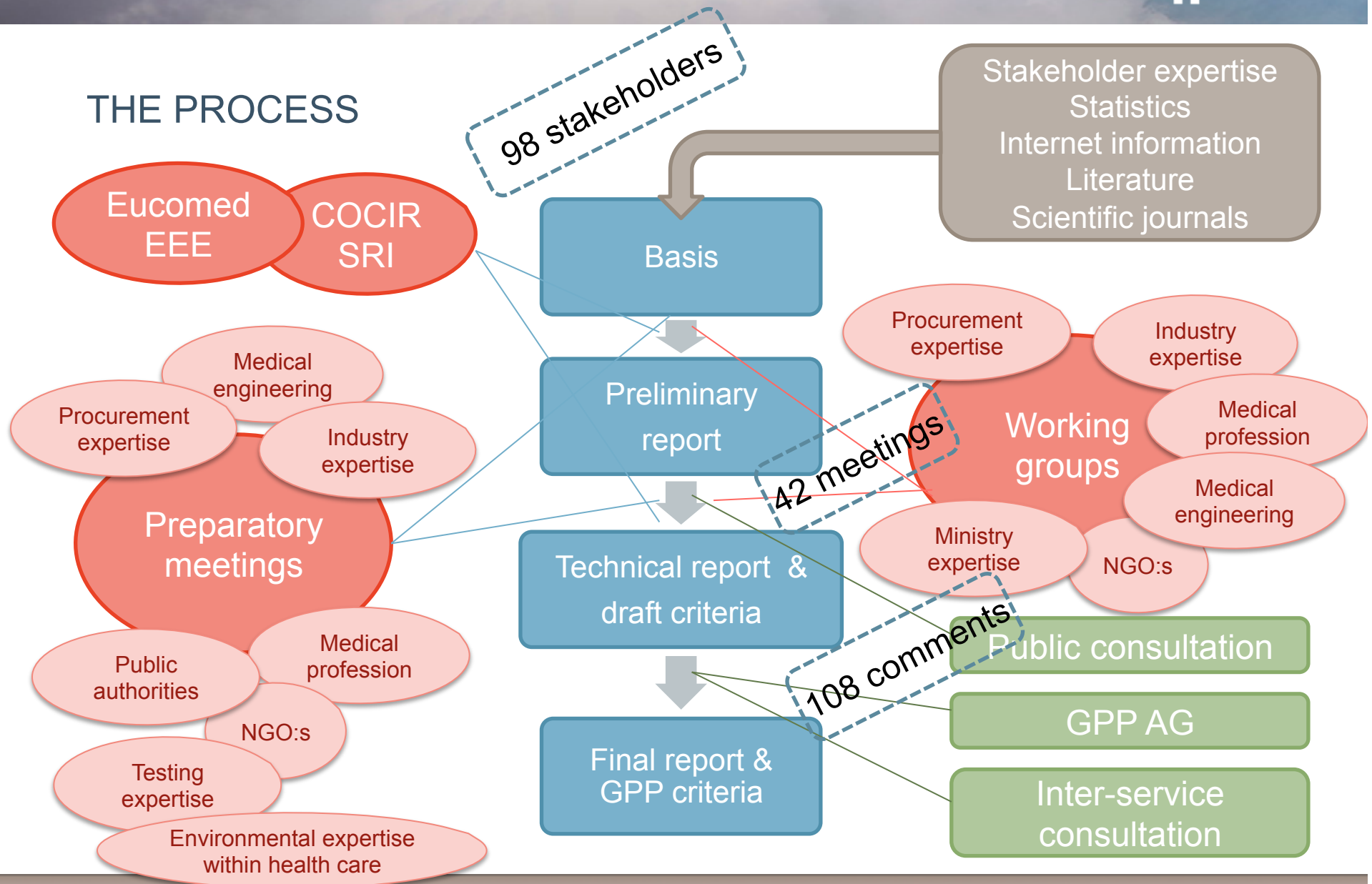
Ultrasound

Ventilators

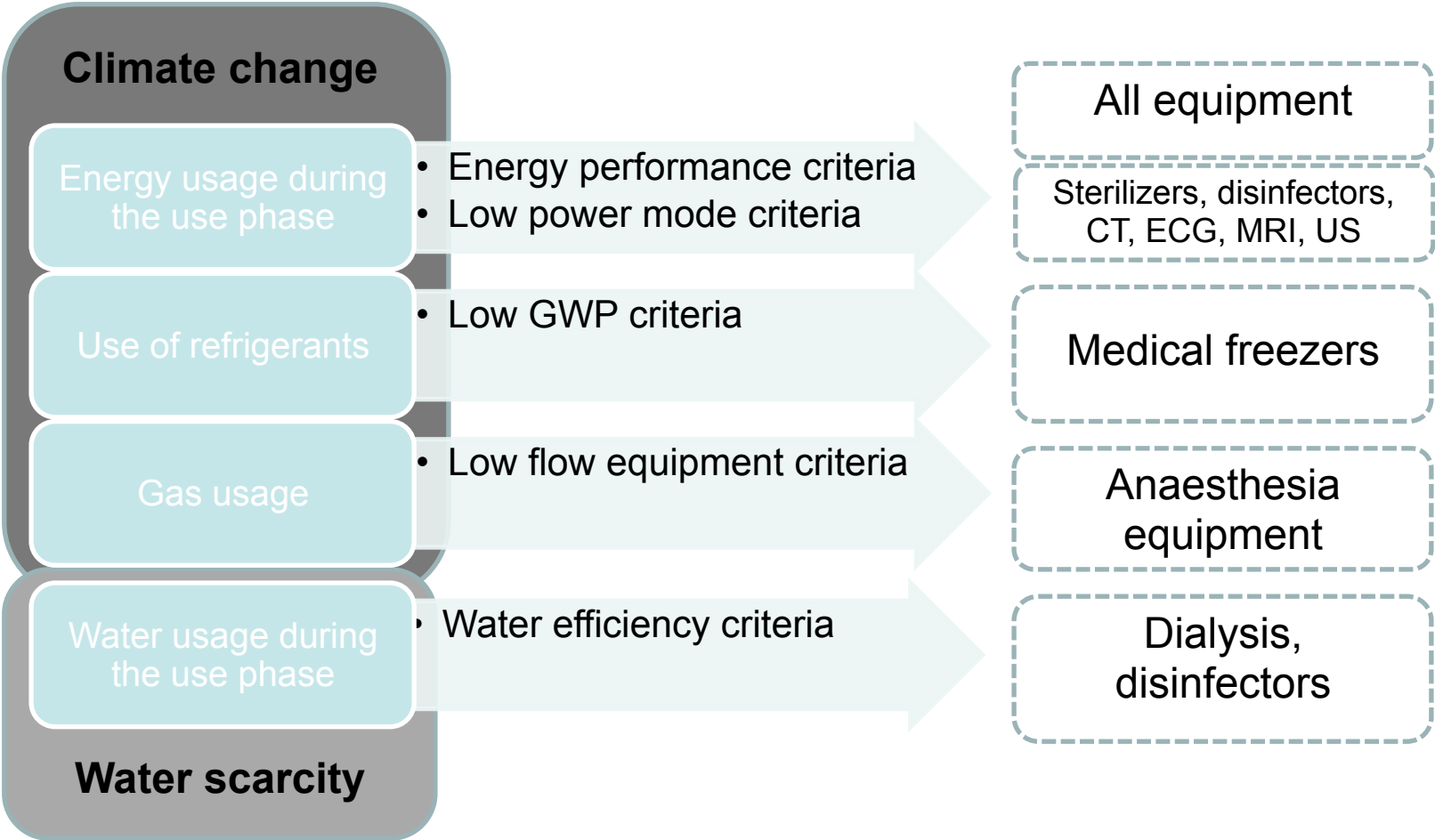
X-ray (incl. mammography)



# THE PROCESS



# Environmental aspects addressed in the criteria



### 3. Draft EU GPP Criteria for health care EEE

The below proposed Draft EU GPP criteria for health care EEE are based on data and information in the Technical Background Report.

3.1 Draft EU GPP criteria for health care EEE					
Core criteria					
SUBJECT MATTER					
Purchase of electrical and electronic equipment used in the health care sector with reduced environmental impact.					
SELECTION CRITERIA					
1. Chemicals management system (General criteria for all equipment)					
The tenderer shall have a chemicals management system in place with dedicated resources. The necessary expenditure has been included under Article 5 of the Candidate list by a system of monitoring of Car analysis					
8. Energy performance of health care EEE					
Points will be awarded for the equipment based on how low the reported daily energy usage is, E (kWh/day), according to the table and the test conditions below. Please fill in the table for the relevant medical equipment: (the lower daily Energy usage, the more points will be awarded).					
Definitions of modes are according to Appendix 1. Verification description can be viewed below the table. Energy performance criteria for CT, haemodialysis equipment, MRI, medical sterilizers and disinfectors can be found in separate criteria.					
For incubators and medical freezers, points will be awarded for the equipment based on how low the reported daily energy usage per volume is, E (kWh/day and m <sup>3</sup> ).					
Contracting authorities will have to indicate in the contract notice and tender documents how many points will be awarded for each award criterion.					
Verification: To be carried out by the tenderer (time, person can be carried out)					
Equipment	Mode	Customised scenario <i>Stated by procurer</i>	Pre-determined use scenario <i>Guidance</i>	Energy in use phase <i>Stated by tenderer</i>	The Energy usage (E) calculation:
Active Respiratory Gas Humidifier	Active	T <sub>1</sub> = 24 hrs.	T <sub>1</sub> = 24	P <sub>1</sub>	(T <sub>1</sub> *P <sub>1</sub> ) = E (kWh) per day
	Definitions of modes according to appendix 1.	T= time, number of hours in the current mode per day	Recommended use scenario.	P= power (kW), Power measurements according to test conditions in appendix 12	
Bed side monitoring equipment	Active	T <sub>1</sub> = 24 hrs.	T <sub>1</sub> = 24	P <sub>1</sub>	(T <sub>1</sub> *P <sub>1</sub> ) = E (kWh) per day
	Definitions of modes according to appendix 1.	T= time, number of hours in the current mode per day	Recommended use scenario.	P= power (kW), Power measurements according to test conditions in appendix 14.	
ECG (Electro-cardio-graphic) equipment (diagnostic)	Active	T <sub>1</sub>	T <sub>1</sub> = 2	P <sub>1</sub>	(T <sub>1</sub> *P <sub>1</sub> ) + (T <sub>2</sub> *P <sub>2</sub> ) + (T <sub>3</sub> *P <sub>3</sub> ) = E (kWh) per day
	Standby (for those which have this mode)	T <sub>2</sub>	T <sub>2</sub> = 2	P <sub>2</sub>	

<sup>2</sup> For further guidance see [www.cocir.org](http://www.cocir.org), or

Draft for GPP

# Ready for use in december 2013

At [ec.europa.eu/environment/gpp/](http://ec.europa.eu/environment/gpp/)

- Pre-determined use scenarios available for energy criteria
- Can easily be inserted in an LCC
- Indications on potential gains from using these criteria

## GPP information sources

### **HELP DESK:**

In EN, FR, DE [gpp-helpdesk@iclei.org](mailto:gpp-helpdesk@iclei.org)

**Newsletter (please sign up!)**

### **GPP website of the European Commission:**

- Buying Green Handbook
- The full sets of EU GPP criteria and background reports, as well as information on the criteria-setting process
- GPP Examples
- Information on National Action Plans for GPP
- A list of FAQs and glossary of key term
- News and upcoming events







Is there anything more important  
than Green Public Procurement?

**YES!**





## Decisive phase before tendering: needs assessment

Best environmental outcome is not necessarily buying the greener option

A good needs assessment can lead to buying nothing, less or something different.

Questions to be asked before tendering:

*Do we really need it? Do we need to own or can we rent?*

*Do we still have it (maybe in another department)?*

*Does everybody need his/her own (printer, mobile phone, service car)?*

*Nice side-effect: €€€*





## **Additional Information**

# **EU Projects of interest for GPP**





## Innovative Ultra Efficient Lighting for Future Wards

[https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/32439/11-997-case-study-innovative-ultra-efficient-lighting.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/32439/11-997-case-study-innovative-ultra-efficient-lighting.pdf)

*(innovative, EU funded project of interest for hospitals)*



# Buy Smart+



## Buy Smart+ offers:

- 15 green procurement helpdesks providing know-how, tools consultation and trainings in national language
- Assistance to green procurement pilot projects
- Monitoring of the green procurement experiences; policy recommendations for the NEEAPs updates in June 2014

18 partners from 15 European countries

March 2012 – September 2014

Internet: [www.buy-smart.info](http://www.buy-smart.info)

## Coordinator:

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Tel.: +49 30 293330 - 63

1	BEA	 Germany
2	BSU	 Germany
3	CA	 Germany
4	CEA	 Cyprus
5	CONSIP	 Italy
6	Ekodoma	 Latvia
7	ENEA	 Italy
8	Energiaklub	 Hungary
9	ESS	 Sweden
10	ESV	 Austria
11	Icemenerg	 Romania
12	KREA	 Lithuania
13	RAEE	 France
14	REACM	 Greece
15	REGEA	 Croatia
16	SEC	 Bulgaria
17	SEVEn	 Czech Republic
18	ZRMK	 Slovenia



# Baltic GPP



## What is it about?

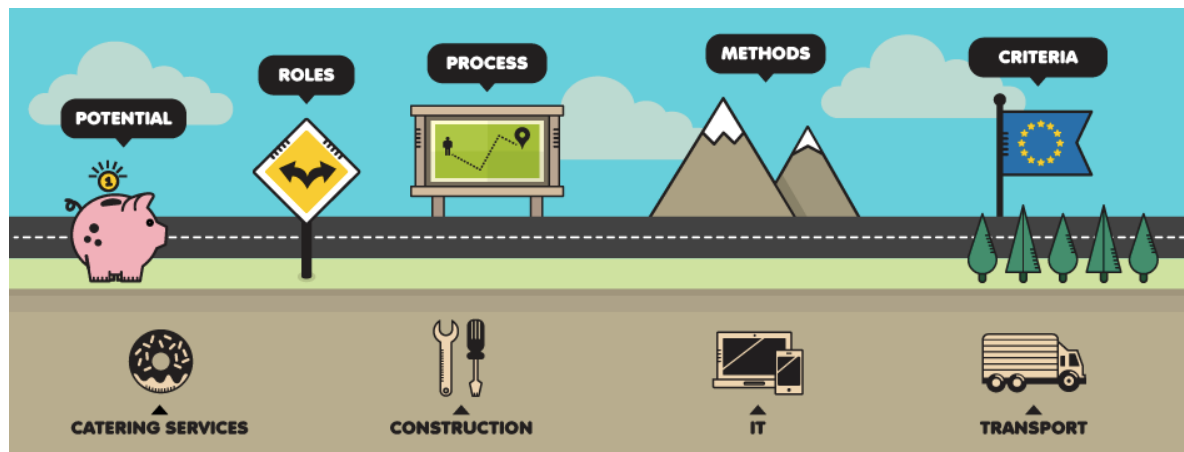
- Web training
- Train-the-trainer seminars
- Success stories

## Website:

- [www.balticgpp.eu](http://www.balticgpp.eu)

## Partners:

- Denmark, Germany, Finland, Sweden and Norway



The project is funded by the Baltic Sea Region Programme



Part-financed by the European Union  
(European Regional Development Fund)

**Project aim:** To assist public authorities and fleet operators with the procurement of clean and energy-efficient vehicles and the implementation of the Clean Vehicles Directive

## How to benefit/participate:

- Receive free support in vehicle procurement
- Participate in workshops, trainings and online discussion (first European workshop on buses in Bremen Dec 11/12)
- Guidance, fact sheets, case studies and training material being developed



[www.clean-fleets.eu](http://www.clean-fleets.eu) - Funded by Intelligent Energy Europe



## ● INNOCAT – Procurement of eco-innovative catering



**Aim:** To encourage and facilitate procurement of eco-innovative products/services in the catering sector by public/private procurers. INNOCAT is financially supported by the European Commission (DG ENV)

### How to benefit/participate:

In the process of reviewing school or hospital catering contract?

Or considering purchasing a low-carbon vending machine?

Join the extended **Buyers Group** and benefit from advice or coordinated procurement

Join the **Sustainable Catering Forum**

The above activities are at their initial stages. Contact

[innocat@iclei.org](mailto:innocat@iclei.org) if you are interested in finding out more.



CITTA DI TORINO



ENVIRONMENT  
PARK



Johnson Matthey





**GPP 2020 aims to mainstream low-carbon public procurement across Europe in support of the EU's goal to achieve a 20% reduction in greenhouse gas emissions, a 20% increase in the share of renewable energy and a 20% increase in energy efficiency by 2020.**

- More than 100 GPP tenders for energy related products, services and works carried out (investments: about 3,500 Mio. EUR, CO<sub>2</sub>-savings: close to 1 Mio. tons CO<sub>2</sub>e)
- 13 train the trainer seminars and 36 training seminars for procurers reaching 700 participants
- Permanent GPP support functions (e.g. helpdesks) in eight countries established or supported



# The Procura+ Sustainable Procurement Campaign



Procura+ is an initiative designed to offer direct **support** to public authorities in **implementing** sustainable procurement, facilitate **exchange** and **promote** achievements internationally

[www.procuraplus.org](http://www.procuraplus.org)





## **8 new networks of European Public Procurers of innovation covering the following fields**

1/ **Combating climate change:** Innobuild (Lyngdal Kommune (NO))

2/ **Improving care for senior citizens/active aging:** EcoQuip (Business Innovation and Skills (UK)), **Happi (Réseau achats hospitaliers d'Ile de France (Paris, FR))**

3/ **Fostering energy efficiency:** Pro-LIGHT (Transport for London, UK, city of Bremen DE), Fired-up (London Fire Brigade, UK), Spea (Barcelona city, SP)

4/ **Supplying better mobility infrastructure:** **Syncro (Conseil Général de l'Isère (Grenoble, FR))**

5/ **Creating more healthy working conditions:** Innobuster (Austrian central purchasing authority AT))



## “The Innovation Procurement Forum”



Project leader: **ICLEI**, European platform of sustainable cities (Freiburg in Brisgau, DE) contact: [marlene.grauer@iclei.org](mailto:marlene.grauer@iclei.org)

Future activities for 2012 – 2016

1. Development of an innovation procurement database
2. Maintenance and development of a European user-friendly and interactive website: [www.innovation-procurement.org](http://www.innovation-procurement.org) (+900 members) & of a forum <https://www.procurement-forum.eu>
3. Representing the European Innovation Procurement Community
4. Development of personal exchange and joint training activities on PCP and PPI
5. Drafting and compilation of guidelines on innovation procurement
6. **European award** for the best innovation procurements (launch October 2013) more info @ <http://www.innovation-procurement.org/award/><sup>36</sup>



# EU Green Public Procurement Policy

**Thank you!**

*Questions?*

**Please contact:**

GPP HELP DESK [gpp-helpdesk@iclei.org](mailto:gpp-helpdesk@iclei.org)

*or*

[robert.kaukewitsch@ec.europa.eu](mailto:robert.kaukewitsch@ec.europa.eu)

**GPP webpage: [http://ec.europa.eu/environment/gpp/index\\_en.htm](http://ec.europa.eu/environment/gpp/index_en.htm)**