Green Public Procurement and Implementation in Hungary

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Outline

- About GPP, trends and uptake in Europe and Hungary
- Product groups- relevance in the health care sector
- Good Practice Examples from Hungary
What is green procurement?

Possibility for everyone to buy green.

Procurement concept, which takes environmental aspects into consideration and seeks products and services that have the least impact on the environment over their whole lifecycles.

- Active and demonstrative
- Sets example
- Many product groups are suitable for greening - innovation
- Environmental and economic benefits
• **2003** - Recommendation to all EU Member States to draw up National Action Plans for the implementation of GPP.


• **Hungary** still doesn’t have GPP action plan

  *But bottom-up approaches do work!*

• **2006**: According to the Hungarian Procurement Law it is possible to include environmental criteria in the public procurement tenders.
National GPP Action Plans in the EU

- 22
- 6 Croatia, Estonia, Greece, Hungary, Luxembourg, Romania

Forrás: The Uptake of Green Public Procurement in the EU 27, Submitted at the European Commission, DG Environment, 2012
Green Tenders in the EU

- Level of green tenders compared to all of the tenders, by value.

Forrás: The Uptake of Green Public Procurement in the EU 27, Submitted at the European Commission, DG Environment, 2012
Green Tenders in the EU

- Level of green tenders compared to all of the tenders, by number.

*Luxembourg excluded due to unavailability of data.

Forrás: The Uptake of Green Public Procurement in the EU 27, Submitted at the European Commission, DG Environment, 2012
Most suitable product groups for „greening”

- IT equipment:
  - PCs, monitors, notebooks,
  - MFDs,
  - Printers, copying machines
- Lighting
- Furniture
- Transport:
  - buses, cars
- Household equipment:
  - Coffee machines, fridges, dishwashers, water heaters
- Paper and printing services
- Cleaning products and services
- Renovation, building
- Electricity
- Food, catering
Ecolabels...

ISO Type I.
- Independent third party certification
- For the lifecycle of the product/service

ISO Type I. -like
- Independent third party certification
- For one aspect/quality (eg. Energy efficiency)

ISO Type II.
- Producers own environmental claim
Environmental effects in the health sector

**Key Environmental Effects**

- Energy consumption in the use phase (GHG emissions)
- Water consumption in the use phase (water scarcity)
- Gas consumption in the use phase (GHG emissions)
- Use of refrigerants in medical freezers (Global warming, ozone depletion)
- Use of materials (Scarcity of resources)
- Content of hazardous chemicals
- Waste generation

**Green Procurement Criteria**

- Efficient equipment (energy, gas)
- Water saving equipment
- Product longevity
- Equipment from suppliers with chemicals management systems
- Medical freezers containing refrigerants with low GWP

- Ensure the appropriate and energy efficient functioning of the equipment through a needs’ assessment and the provisions of training on energy efficiency
GPP criteria recommendation

- Reduced environmental impacts while always giving priority to the safety and welfare of patients as well as that of medical staff, technicians and maintenance personnel.

- EU recommendation for GPP criteria available on www.survive.hu.
Product groups for greening in the health sector

- Cleaning products, services
- Toilets and Urinals
- Sanitary Tapware
- Electrical and Electronic Equipment used in the Health Care Sector
- Indoor lighting

- Bed side monitoring equipment
- Electrocardiographic (ECG) equipment
- Computed Tomography (CT)
- Flusher disinfector
- Infusion pumps
- Incubators for babies
- Magnetic Resonance Imaging (MRI)
- Patient warming systems (blankets, pads, mattresses
- X-ray
- Medical freezers
- Ultrasound
<table>
<thead>
<tr>
<th><strong>MRI</strong></th>
<th><strong>Ultrasound Equipment</strong></th>
<th><strong>CT</strong></th>
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| • 50% less energy usage (operating an MRI can produce about 90 tons of CO2 annually) | • Energy savings of 90%  
• 1,300 kWh less electricity per year/US | • Energy savings of 50% in daily energy consumption  
• 33,000kWh per machine annually, 15 tons of CO2 emissions, equivalent to the annual CO2 emissions of 4 cars |
| • Reduces annual electricity usage by about 60,000 kWh, equivalent to the electricity consumption of 5 households, 27 metric tons of CO2, equivalent to the annual emissions of 7 cars /a | | • Annual savings of up to € 3700 per CT system |
| • Annual savings of up to € 6700 per MRI |  
| **Dialysis** | **CT** |
| • 50% less energy usage | • Energy savings of 50% in daily energy consumption |
| • 30% water reduction (of normal use of 500 l per treatment) | • 33,000kWh per machine annually, 15 tons of CO2 emissions, equivalent to the annual CO2 emissions of 4 cars |
| • 50% less operating costs | | • Annual savings of up to € 3700 per CT system |
Case studies

GREEN PROCUREMENT PRACTICES IN HUNGARY
Green Procurement Toolkit

• Duration: 2010-2014
• 35 organizations (public/private)
• 35 trainings, 120 experts trained
• 19 pilot projects concluded
• Toolkit
  – Accredited training
  – Performance sheets (What makes a product/service green?)
  – Evaluation methods

www.survive.hu

Environmental Sustainability in the Health Sector
Product groups

- Smart phones
- Taxi/courier services
- Long term car rental services
- Paper and printing services
- Notebooks, PCs
- Street lighting
- Facility management
- Cleaning products/services
- Sanitary paper products
- In-door lighting
CASE STUDIES
• **Year**: 2012  
• **Subject**: Printing services  
• **Award criteria**: Paper used by printing should be ecolabelled according to Blue Angel, EU Ecolabel, Nordic Swan, FSC, or PEFC.  
• **Selection criteria**:  
  – ISO 14001  
• **Technical specifications**: part of the materials are requestued electronically.
Főtáv Zrt.

- Field of operation: district heating
- Product group: cars
- Achievements:
  - min. 19.8% energy savings
  - 16,957 liter fuel saved
  - 5,47 M Ft/a saved
  - 128,232 kg/a CO₂ emission avoided
And some more... 😊

• Municipality of Hosszúhetény
  – Street lighting
  – Cost savings: 66%
  – 50 tons of CO₂ emissions avoided

• Mayors Office of Szekszárd Town
  – IT equipment (PCs)
  – Cost savings: 50%
Success factors

- Commitment
- Know-how, awareness
- Product group selection
- Criteria selection
- Exact evaluation
- Monitoring, data collection

- Communication, marketing
  - Setting example/ PR
  - Market availability check
Thank you for your attention!

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