



# CleanMed

Creating Healing Environments

Europe  
2018

## Disclosure

Potential conflict of interest	None/see below
<b>Relationships with commercial companies</b>	<b>Company names:</b>
<ul style="list-style-type: none"><li>EPEAT Participating Manufacturers pay annual fees to the Green Electronics Council</li></ul>	<ul style="list-style-type: none"><li>64 manufacturers listed at <a href="https://ww2.epeat.net/companyList.aspx">https://ww2.epeat.net/companyList.aspx</a></li></ul>

As a requirement of accreditation, The Royal Dutch Medical Association (KNMG) requires speakers to begin their presentations with a disclosure slide to make any financial relationships between speakers and commercial companies transparent.



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# Environmental and Social Considerations in the Purchasing of IT for Healthcare

- Charlotta Brask, Stockholm City Council – Driving Sustainability in Purchase of IT to the Healthcare Sector
- Andrea Desimone, Green Electronics Council – Updated Social & Environmental Criteria for EPEAT-Registered Computers & Displays

Moderator: Arianna Gamba



# Updated Social & Environmental Criteria for EPEAT-Registered Computers & Displays

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# Who is the Green Electronics Council?

- Founded in 2006
- GEC is dedicated to working with industry worldwide to improve technologies
- GEC shares easy, credible sustainability tools and resources with purchaser organizations
- Flagship program: EPEAT, the leading global ecolabel for IT products

GEC is based in the United States, serving 43 countries



GREEN  
ELECTRONICS  
COUNCIL

GEC is a mission-driven 501c(4) non-profit that collaborates to achieve a world in which only sustainable IT products are designed, manufactured, and purchased.



# What is EPEAT?

- The EPEAT ecolabel has come to be the definitive, comprehensive global ecolabel for sustainable IT products
- Products must meet strict lifecycle criteria to qualify
- Designed to help purchasers of electronics to evaluate, compare, and select products that reduce environmental impact and improve human health
- EPEAT covers 4000+ products from 65+ manufacturers and is available for purchasers in 43 countries

For over a decade...

**Global Electronics  
Ecolabel**





# What Products Does EPEAT Cover?

## *Current*

**PC/Display** – Desktops, Displays, Notebooks, Integrated Desktop Computers, Workstations, Thin Clients, Tablets, Digital Signage

**Imaging Equipment** – Copiers, Digital Duplicators, Multifunction Devices, Printers, Scanners

**Televisions**

**Mobile Phones**

**Servers** (August 2018)

## *Planned*

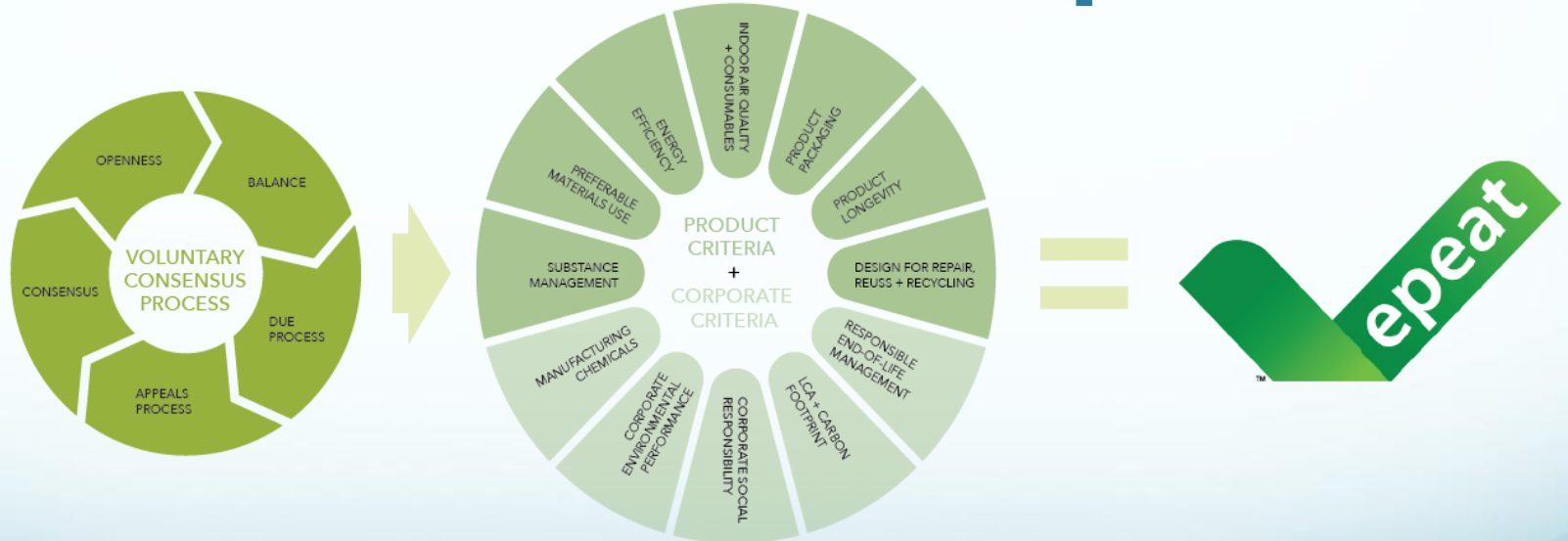
**Network Infrastructure**– Routers and Switches (November 2020)



[www.greenelectronicscouncil.org/epeat/registry](http://www.greenelectronicscouncil.org/epeat/registry)



# How are EPEAT Criteria Developed?



Balanced Voluntary Consensus Process

Lifecycle of Product



# How are Products Rated by EPEAT?

- Products must meet all required criteria to be covered by EPEAT
  - Just by being “EPEAT” tells purchasers the product is sustainable
- Products are rated Bronze, Silver or Gold based on the number of optional criteria they meet

Meets less than 50%  
Optional Criteria



Meets 50 to 75%  
Optional Criteria



Meets more than 75%  
Optional Criteria







# EPEAT Verification Process

- Self-declaration with after-market verification
- Desk Review
  - Initial desk audit of manufacturer documentation
  - Criteria are desk reviewed across product registrations
  - Verification results can influence additional desk review
- Continuous, transparent verification
  - Adherence to clear conformity assurance protocols
  - Verification investigations carried out by independent Conformity Assurance Bodies' trained auditors
  - Blind review by highly qualified staff
  - Non-conformances met with public corrective action



# Product Availability - Europe

- **1000+ Products:** France, Germany
  - **500+ Products:** Poland, Spain, Sweden, United Kingdom
  - **100+ Products:** Austria, Belgium, Czech Republic, Denmark, Finland, Italy, Netherlands, Norway, Portugal, Slovakia, Switzerland
  - **Less than 100 Products:** Bulgaria, Cyprus, Estonia, Greece, Hungary, Iceland, Ireland, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Romania, Slovenia
- *Computers, Displays, Servers, and Imaging Equipment products registered in Europe*



# Updated Computer & Display Category

- Launches December 2018
- Differs from Existing Computer Category:
  - Focus on Priority Impacts
  - Expansion from Environmental to Sustainable
  - Piercing the Veil of the Supply Chain



# Priority Impact Areas

## *Climate Change*

- Reductions of F-GHG emissions in semiconductor and display manufacturing
- Annual assessment of GHG emissions resulting from product transport

## *Resource Consumption*

- Recycled content in product
- Recycled and sustainably forested materials in packaging
- Bulk packaging
- Increased product life

## *Chemicals*

- Full product substance inventory
- Safer chemical assessment and use
- Bromine, Chlorine, and Beryllium restrictions

## *End-of-Life*

- Design to facilitate recycling, repair, and reuse
- Easy removal of lithium-ion batteries
- Responsible recycling



# From Environmental to Sustainable: Social Impact Criteria

- Labor practices meet or exceed international labor standards (*applies to mfrs and suppliers*)
- Worker Health and Safety certification or audits to international standards (*applies to mfrs and suppliers*)
- Socially responsible supplier manufacturing – labor practices and worker health and safety
  - “Code of Conduct” for suppliers, and the suppliers’ suppliers – publicly available & required in supplier contracts
  - Audited and annual reporting of results
- Advance responsible sourcing of conflict minerals through reporting and capacity building in-region



# Piercing the Veil of the Supply Chain

Supply chain transparency including supplier related criteria:

- Supplier renewable energy use
- Socially responsible supplier manufacturing – labor practices and worker health and safety
- Conflict minerals disclosure and due diligence
- Supplier environmental reporting
- Supplier Environmental Management Systems (EMS) and energy performance



# Who Uses EPEAT?

In addition to healthcare organizations, **thousands** of public jurisdictions, **9** National Governments, **300+** Colleges and Universities and **hundreds** of enterprise organizations specify EPEAT in IT contracts

EPEAT protects the environment, human health, and the bottom line.

Widespread adoption, and frequent reference in Corporate Responsibility reports is based upon:

- ✓ Trust
- ✓ Credibility
- ✓ Ease of use in procurements
- ✓ Product availability across broad range of brands.

Global EPEAT-  
registered  
IT shipments  
surpassed  
**One BILLION units**  
in 2016



# EPEAT Benefits – Kaiser Permanente

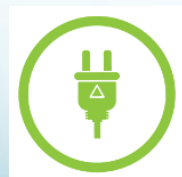
EPEAT demonstrates cost savings, environmental benefit, and protects human health. The 129,219 IT products purchased by Kaiser Permanente in 2016 yielded the following benefits:



**9,193 MT**  
Greenhouse Gas  
Emissions Reduction



Removing  
**6,609** Passenger  
Cars  
from the road per year



**54.2 million**  
kWh  
Energy Savings



Electricity to power  
**4,244** U.S. Households  
for a year



**124 MT**  
Hazardous Waste  
Reduction



**€4,757,827**  
Estimated Lifetime Cost Savings





# Purchaser Resources / Recognition

- Ready-made contract and policy language for procurement and reporting.
- Spend analysis
- Calculation of avoided environmental impacts including:
  - Cost savings
  - Avoided waste and toxic waste
  - GHG reductions
- Recognition – Annual EPEAT Purchaser Awards
- Purchaser Guides
  - Guidance for reporting to GRI and CDP
  - Guidance for addressing labor & human rights in the ICT supply chain
  - Sustainability in Cloud Computing Guide (*coming soon*)
  - Circular Economy Guide (*coming soon*)



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**Radboudumc**  
university medical center