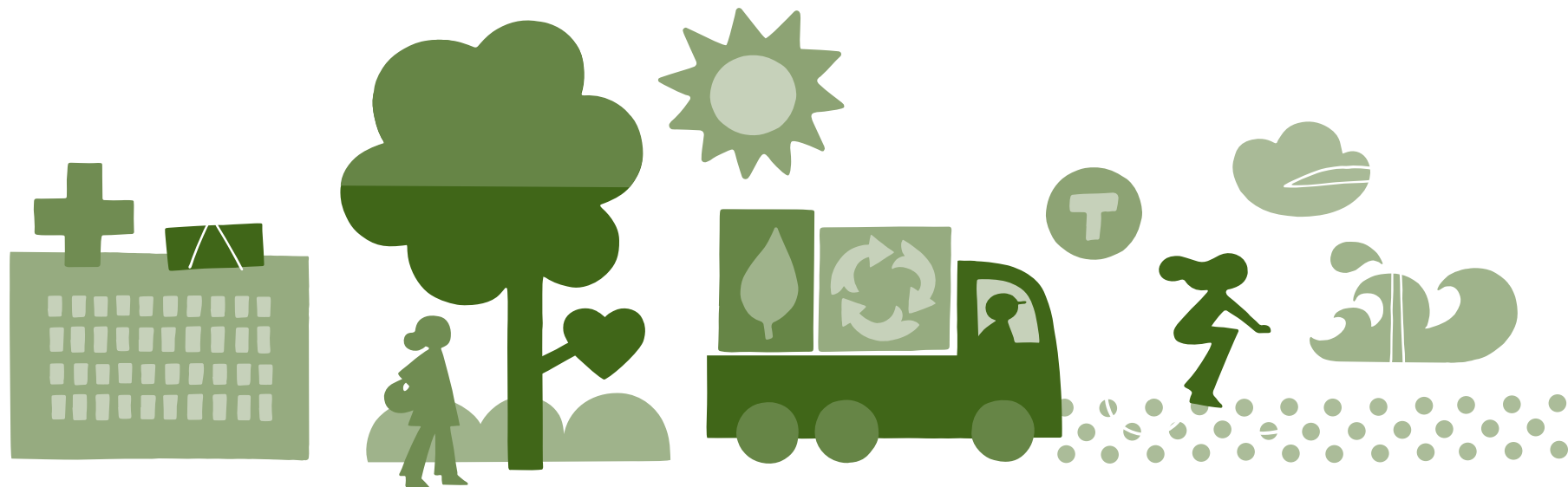


# Public procurement as a tool for substitution of EDCs

Brussels

November 6th 2017

**Hanna Jonsson**



Are we fully aware of the potential of  
the provisions included in the MDR?

**YES!**



# “Stockholm County Council will decrease its environmental impact caused by hazardous chemicals”

- Nice chemical products
  - Not cause allergy or hazardous to aquatic life
- Nice articles and consumables
  - No foreign substance exposure to patients or employees
- Contribute to a toxic free circular economy



# Our most valuable tool -Procurement



# Systematic working procedure



# Success factors

1. Large volumes
2. Several public operators use the same criteria
3. Regular evaluation of function of alternative products
4. Dialogue with suppliers and manufacturers as part of the procurement process





## PHASE-OUT LIST

for chemicals hazardous to the environment and human health



VALID FOR STOCKHOLM COUNTY COUNCIL  
Adopted by the County Council Executive Board on 20 June 2017  
LS 2015-1281

## PHASE-OUT LIST

for chemicals hazardous to the environment and human health in products



VALID FOR STOCKHOLMS LÄNS LANDSTING  
Adopted by the County Council Executive Board on 20 June 2017  
LS 2015-1281



## Which properties do we seek to avoid?

Very toxic, allergenic, carcinogenic, mutagenic, toxic to reproduction, endocrine disruptors and environmental hazards

- Allergenic substances like limonene, isothiazolines and colofonium
- Biocides like triclosan, glutaric aldehyde and nano-silver
- EDCs like phtalates, brominated flame retardants and bisphenols



## Examples of chemical criteria

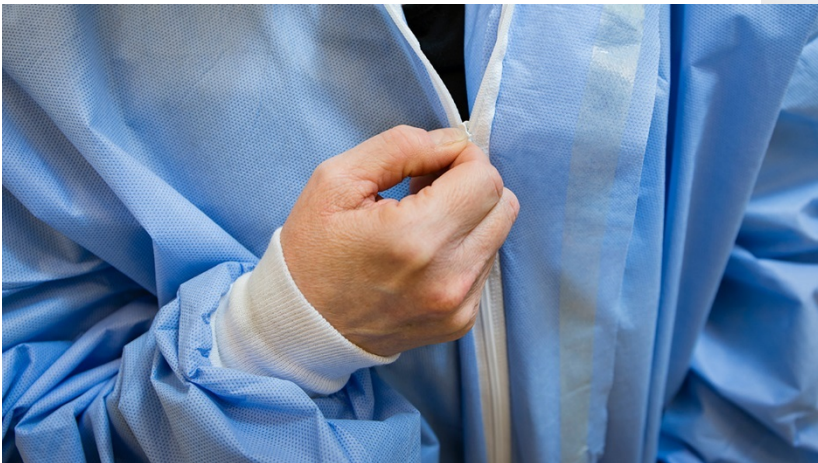
- Products must be free from
  - Phthalates
  - Brominated flame retardants
  - PFOA and PFOS derivatives
  - Nonylphenol etoxilates



*(concentration limit 0.1 %)*

# Successful examples of substitution of EDCs

- Examination gloves
- Textiles



Are we fully aware of the potential of  
the provisions included in the MDR?

**YES!**



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Phase out lists

# Are the alternatives more expensive?

<b>Product</b>	<b>Year</b>	<b>Price vinyl product</b>	<b>Price PVC free product</b>	<b>Price today PVC free product</b>	<b>Difference</b>
Examination gloves (nitrile)	2003	0,23	1	0,21	<b>± 0 %</b>
Straight suction catheters	2007	1,05	2,45	1,95	<b>+ 100 %</b>
Urinary catheters	2003	10,50	13,00	10,50	<b>± 0 %</b>

## Most common alternatives

DEHT, DINCH, DEHA, COMGHA