



NL Agency  
Ministry of Economic Affairs, Agriculture and  
Innovation

# *Energy Efficiency tools*

## ICT and the public sector

### *the Netherlands*

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» *Focus on sustainability,  
innovation and international*

# ICT, a Life changing experience



» Focus on sustainability,  
innovation and international

But also  
... an inconvenient truth





- Neeap: no special reference to ICT
- Long term strategy (energy) based on:
  - Long term agreement with the sector (engagement!)
  - Road map 2030 (Energy)
- Public Procurement & management
  - Professionalism
    - Drastic reduction in procurement centres 350 → 20
    - Category management
    - Guiding principles
  - Sustainable criteria (97% use in 2010)
  - Innovation & (new) ICT business models



## Long term agreement with the ICT sector



2008, 16 companies



2009-2012, 35 companies

EE Objective '09-'12: 5 PJ, >30%; realisation 9,7PJ  $\pm$ 50%

2012: Road map 2030

- Greening of ICT
- Greening by ICT



## Road map 2030

- Greening of ICT
  - Strategy: heading for CO2 neutral ICT
  - Efficient use of ICT capacity
  - EE datacenters
  - EE ICT components
  - Green software
- Greening by ICT
  - Built environment
  - Smart grids
  - Traffic management

Vervolg van ICT Routekaart

Energiegebruik ICT Sector in 2012: 18 PJ per jaar

Energiegebruik ICT sector in 2030: 39 PJ per jaar (11,7 PJ lager dan bij ongewijzigd beleid)

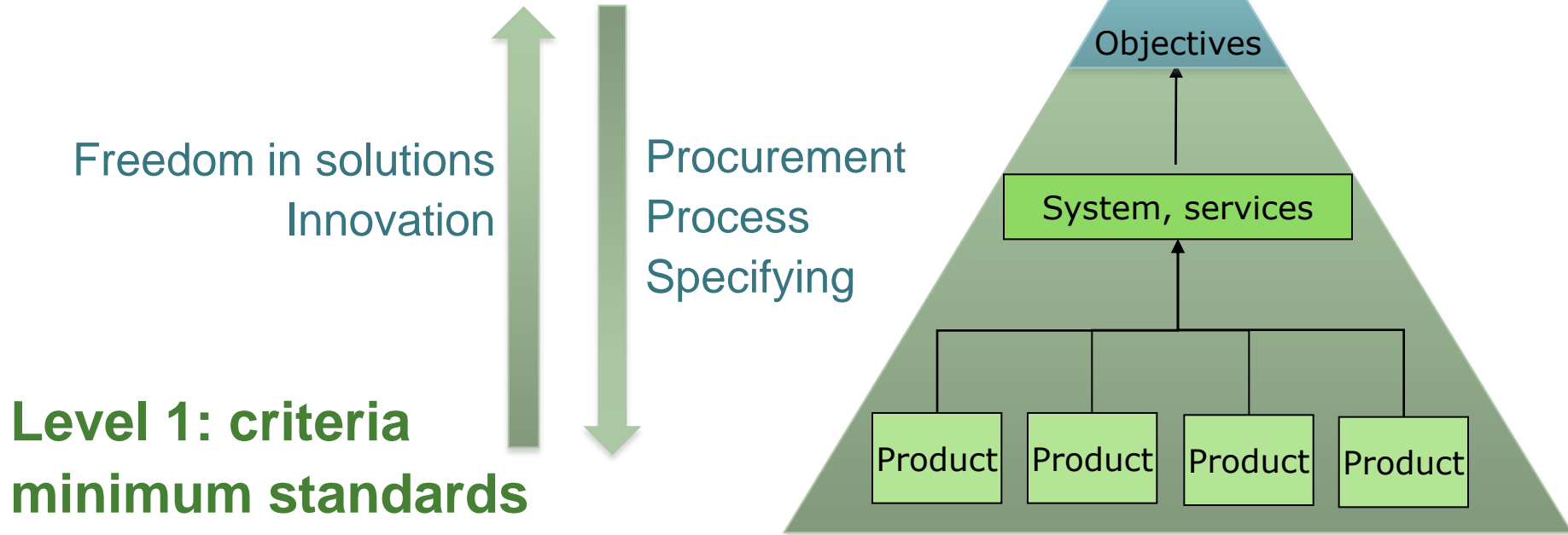


» Focus on sustainability, innovation and international

# Best practice 2



## Sustainable Public Procurement



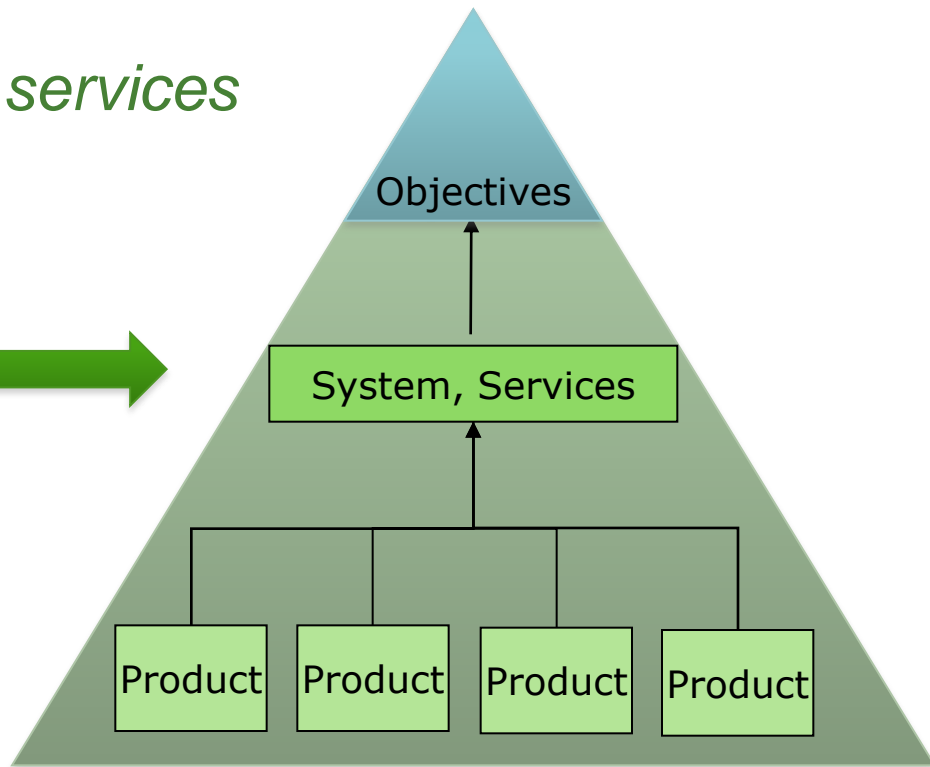




## Professional use of procurement techniques

*Datacenters, integrated services*

**Innovative Procurement,**  
functional, best value  
procurement  
**Market involvement**





## Innovative procurement

### Technical requirements

### Functional requirements

Tender

Detailed specifications

Description functions  
and performances

Assessment

Majority procurement  
on lowest price

Offers on quality and  
price

Outcome

You get what you want,  
no surprises

Innovation, Sustainable &  
cheaper



## Example: office interior design

### Technical requirements

### Functional requirements

Tender

Chairs  
Tables, ICT

Flexible working place, stimulating  
efficient and effective work  
TCO, service



1000 chairs & tables  
Product requirements

Desk sharing - 600 workplaces  
Flexible office design  
Lease concept, shared responsibility  
48% CO<sub>2</sub> reduction

Outcome

Investment € 1,5 million  
Savings € 1,2 million/yr  
Payback in 1,25 years

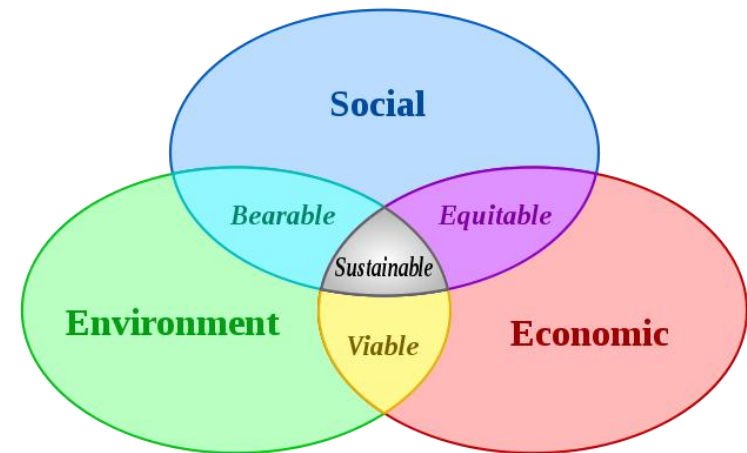


- Long term agreement documents + road maps
- Certification system data centres (Breeam)
- Measuring tool for green software
- Green procurement criteria

# Challenges, the road ahead



- **Datacentres**, the no. 1 priority, enormous potential in EE
- New challenge: green software
- Implementing **professional procurement**
  - Innovative procurement
  - Integrating economic, green / energy & social
  - Shifting to services
  - **Knowledge & Capacity**
- Ipad, paperless office
- New business models
- E-waste, resource efficiency



**Inviting:** *joining forces to deal with Microsoft, Apple, Google,...*



Neeap: [http://ec.europa.eu/energy/efficiency/end-use\\_en.htm](http://ec.europa.eu/energy/efficiency/end-use_en.htm)

Long term agreement (English):

[http://www.agentschapnl.nl/sites/default/files/bijlagen/LTA3\\_convenanttekst - 13 juni 2008.pdf](http://www.agentschapnl.nl/sites/default/files/bijlagen/LTA3_convenanttekst_-_13_juni_2008.pdf)

And [http://www.agentschapnl.nl/sites/default/files/bijlagen/2MJAP1169\\_LTA and LEEresults 2010.pdf](http://www.agentschapnl.nl/sites/default/files/bijlagen/2MJAP1169_LTA_and_LEEresults_2010.pdf)

Road map 2030 ICT (Dutch):

[http://www.ictoffice.nl/Files/TER/Routekaart ICT 2030.pdf](http://www.ictoffice.nl/Files/TER/Routekaart_ICT_2030.pdf)

Green public procurement:

<http://www.agentschapnl.nl/en/onderwerp/criteria>

*Finally*



*Long term thinking,  
short term actions*

*Thank you!*

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