

Greent
amsterdam region

SUSTAINABILITY - DATACENTER SERVICES Public organizations - Procurement

29 SEPTEMBER AMSTERDAM SCIENCE PARK











Public Sector Leadership
for
environmentally aware and sustainable
public procurement
of
datacenters

Jaak Vlasveld Green IT Amsterdam Region Director jvlasveld@greenitamsterdam.nl



OUR MISSION

Increasing energy efficiency and decreasing carbon emissions by scouting, testing and exploring smart IT solutions

Because IT plays an increasingly important role in our efficient and smart society.

THIS IS WHAT WE DO



Scouting innovative technology



Creating piloting and business opportunities

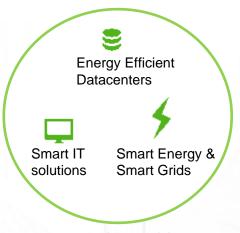


Sharing through our network and showcasing good practices



Creating opportunities to demonstrate commitment to our participants' sustainability goals





45+ consortium participants Supported by our Alliance Partners

administration

ICT supporting city services

ICT improving quality of life

Time

Walk the talk

Green scales well
Invest and earn back
Resources ARE finite

Narrowing down the search space

Functionality to users

Software application

Virtual resources

Virtualization platform

Computing resources

Computing hardware

Rack energy

Data center infrastructure

Street energy

Use minimum (virtual) computing resources per unit of work

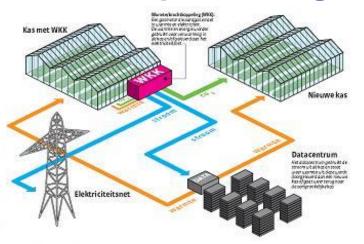
Increase utilization of host computing resources

Deliver max computing power per rack energy

Reduce overhead for server housing (rack energy, temperature, housing,...)

Source: Greening the Cloud, www.greeningthecloud.nl

Next step: smart grid integration?





Datacenters can and should provide **energy flexbility** services to support the energy grid during the **energy transition**

http://www.geyser-project.eu/ http://www.linkedin.com/groups/Networked-Data-Centres-Smart-Grids-7485057





Agenda

Time	Activity
10:00 - 12:00	Keynotes: good practices
12:00 – 13:00	Lunch
13:00 – 14:15	EURECA tool presentation
14:15 – 14:30	Break
14:30 – 16:45	Training and practitioner tips
16:45 – 18:00	Closing and networking drinks



Greent
amsterdam region

SUSTAINABILITY - DATACENTER SERVICES Public organizations - Procurement

29 SEPTEMBER AMSTERDAM SCIENCE PARK





