CO2olBricks

Baltic Sea Region Programme 2007–2013

Part-financed by the European Union (European Regional Development Fund and European Neighbourhood and Partnership Instrument)

Save energy
in buildings

A presentation on behaviour and individual energy saving

Energikontor Sydost
Energy Agency for Southeast Sweden

South Baltic Programme

INTERREG IVC

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Why save energy?

Climate threat – all use of fossile energy results in CO2 emissions

Oil – a limited natural resource

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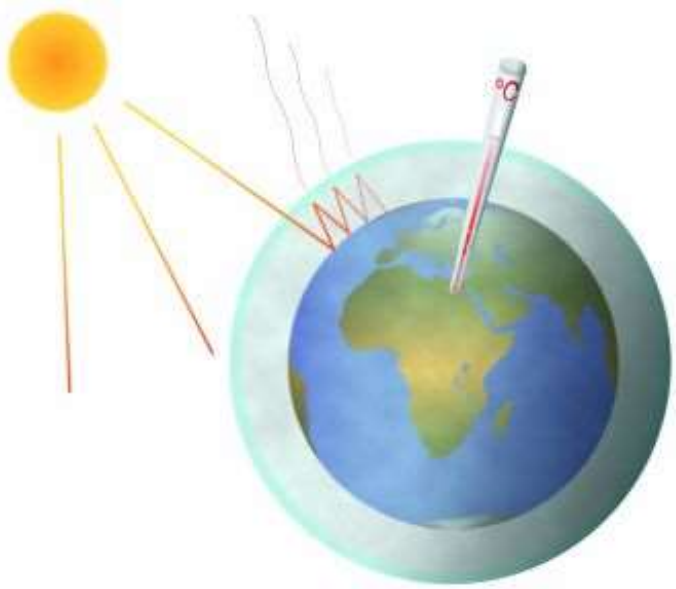
Greenhouse effect

- Carbon dioxide, CO2 is a greenhouse gas – a warm cover around the globe
- Use of 1 kWh fossil fuel releases 1 kg of CO2
- How much CO2 is there in this room?



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Does my use of energy matter?

1. Yes. You are part of a global process

Example:
Save 1 kWh electrical energy ->
you save 1kg CO2
1 litre of fossil fuel -> 2 kg CO2

2. Do we want to tell the next gereration that ”we knew but we didn’t bother”?

3. The sea consists of drops..

True or false about use of energy

- The computer breaks if I turn it on or off often
- The screen saver saves energy.
- Flat screens can just as well be left on
- Light tubes consumes much energy when turned on
- Light bulbes and tubes breakes if turned on/off too often

You can affect

1. Devices
2. Lighting
3. Use of water
4. Pantry/Kitchen
5. Heat consumption

1. Devices

- Activate automatic energy saving mode on all devices.
- Routine for turning the copier off, or use timer
- Copy double-sided and not very often..
- Demand only equipment with good energy performance
- No stand-by. Use (multi outlet) extension cord with switch.

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… devices

- Often, the computer screen consumes most electricity.
  Turn off even at shorter rests.

- In rest and stanby modes devices waste energy.

  Use extension cords with on/off switch

- The copier is the device that often waste most energy. Even i rest mode.
  Use the switch. Often!

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Use your body!!

- Do not use the elevator.
- Don’t use the door opener.

One ride in the elevator causes 20 grams of CO2 emission, and thereby 120 m3 of air reaches the EU limit for CO2 concentration.

This is the volume of a small apartment. Do you have to use the elevator?

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2. Lighting

Turn off and shut down!

Use the right light source!
LED is much better than energy saving bulb

Use multi outlet cords with master-outlet!

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3. Water consumption

Stop the leakage!

Example
A faucet that leaks 1 drip every second can cost 20 EUR annually.

The amount to CO2 that you can save is

70 kg

You often see closets that leaks minor rivers

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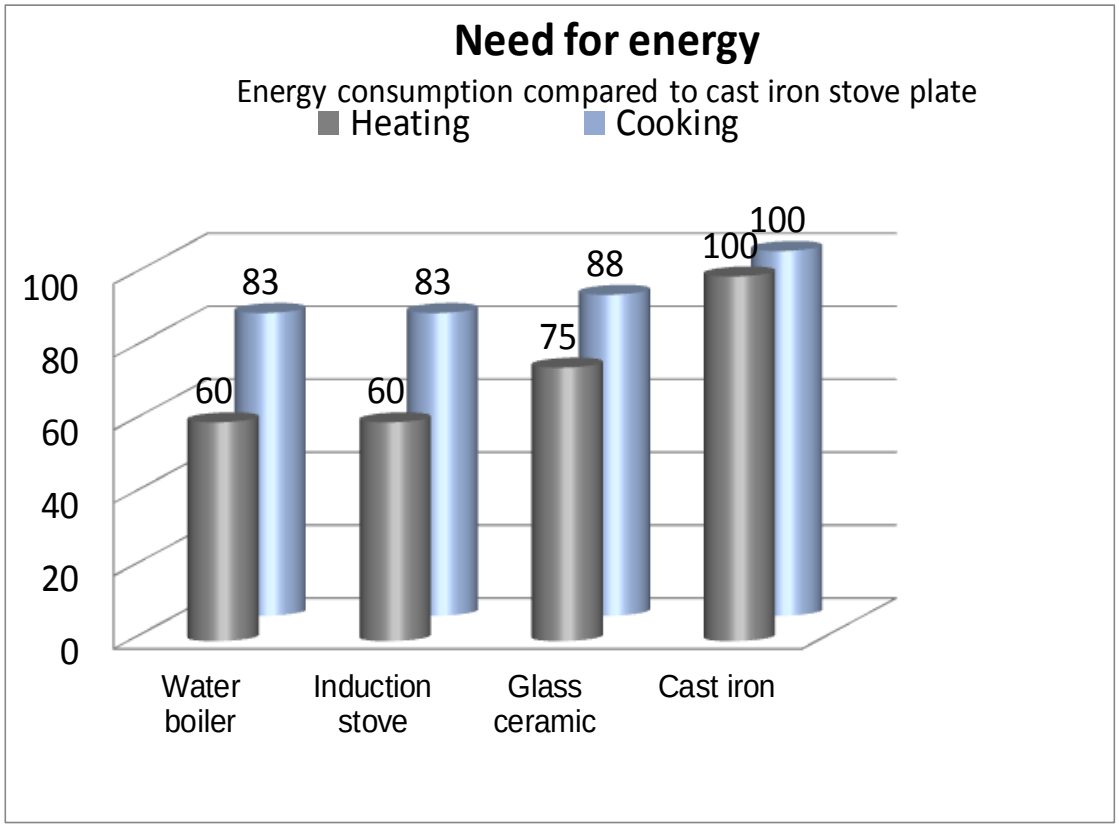
4. Pantry – kitchen



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5. Heat consumption

- No furniture to be placed in front of radiators
- Draw the curtains/blinds at night
- Wash your hands in ”cold water”

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Your contribution to the environment – at home….

- Flow limiting washer in the shower hose
- Shorter shower
- Clean the backside of the fridge/freezer

Egg boiling

Pour 1,5 cm of water into the pot and lay down the eggs.

Put the lid on. Let the water boil and turn off the switch. Set the egg timer on 10 minutes.

Flow limiting washers

..your contribution to the environment – at home

Flow regulator

Normiflo.com

Water saving shower handle

Elless, Jordklok.se

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More

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Just one of all

- An important job needed to be done and **everybody** were convinced that **somebody** would do it
- **Anyone** could have done it, but **nobody** did because it was **everybody's** job
- **Everybody** thought that **anyone** could do it but **nobody** realized that **everybody** would not do it
- It ended up with **everybody** blaming someone, when **nobody** did what **anyone** could have done

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Discussion

- Energy round: What is applicable in our environment? Round
- Inventory When? Who? (at once) Inventory