

SO ECO GREEN

"Schools Offering Equal Chances to Our Generation to Respect
and Engage in Environment Non-Violently"

Spain Finland Hungary Italy Lithuania

AGENDA 21

The measures considering sustainable development in Pietarsaari

- The measures to reduce the ecological footprint based on sustainable development
- Annual Energy saving -week when information about saving energy is provided
- Regional climate strategy with neighbor municipalities
- In the waste disposal district of Ekorosk people sort their garbage
- Energy-saving house in the housing fair area (National housing fair in Pietarsaari1994)
- The UPM pulp- and papermill producing energy for their own purposes and for district heating
- A program which supports sustainable development in food services, in schools, in hospitals, in daycare centers and in nursing homes.

Energy Awareness Week

- to raise awareness on the effective use of energy in organizations, companies and communities. The execution is free: press releases, training, events, competitions - whatever means that suit the message and the participant.
- Energy Awareness Week is organized every year during the second week of October. The coordinator is Motiva, a state-owned company promoting energy and material efficiency as well as renewable energy.

http://www.energiansaastoviikko.fi/ajankohtaista/kampanjauutiset/kampanjauutiset_2013/energy_awareness_week_starting_in_finland.2149.news

Solar House

The Solar House's energy effectiveness is based on extremely high-density insulation and tight window constructions as well as a heat recovery ventilation (HRV) system. Solar panels and a ground source heating system provide the house with "free" energy. Compared to typical houses, the Solar House saves up to 90% on heating energy costs.



<http://www.alfslussnas.fi/en/lowenergy>



Alholmens Kraft

http://www.alholmenskraft.com/en/company/bio-fuelled_power_plan

is the largest bio-fuelled power plant in the world.

They produce electricity, process steam and district heating for the industry and private households.



Sustainable development in food services in schools



New Actions and Projects

Intelligent dimmable street lights adapt to conditions



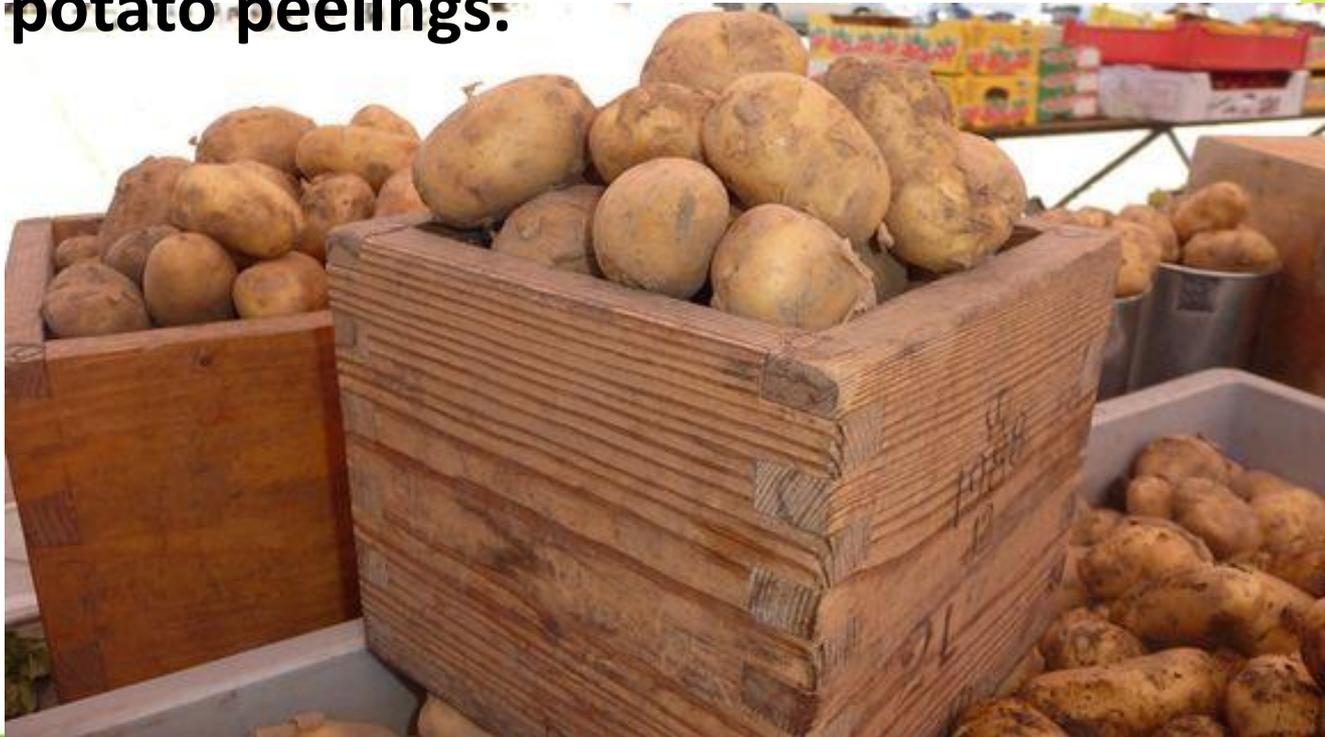
Power outlets promised for electric cars



Fuel made of butanol

Butanol is made of potatoes with the help of fermentation.

It is possible to make fuel even of potato peelings.



SUSTAINABILITY IN PIETARSAAREN LUKIO

In the National Core Curriculum for Upper Secondary Schools 2003
one of the cross-curricular themes is
sustainable development.

“Upper secondary schools must encourage students to pursue a sustainable lifestyle and to take action for sustainable development.”

There are several courses under the theme **Sustainable development** :

English - Nature and sustainable development

- Students make a commitment to act in an environmentally way
- At the end of the course they evaluate their actions

**Swedish course –
Our Environment**

**German –
"Our common globe"**

**Geography –
positive acting towards sustainable
development; sustainable agriculture
and fishery**

Other sustainable activities at school:

- Bottle gathering
- Cycling days
- Sorting food waste in the school lunchroom
- Combining the Finnish and Swedish
upper secondary high schools in Pietarsaari