

SPARE

education on climate and energy for practical solutions



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www.spareworld.org



EU SE campaign
INFORSE-Europe Sustainable Energy Seminar
October 6-8, 2010, CAT, Wales UK
http://www.inforse.org/europe/seminar2010_CAT.htm



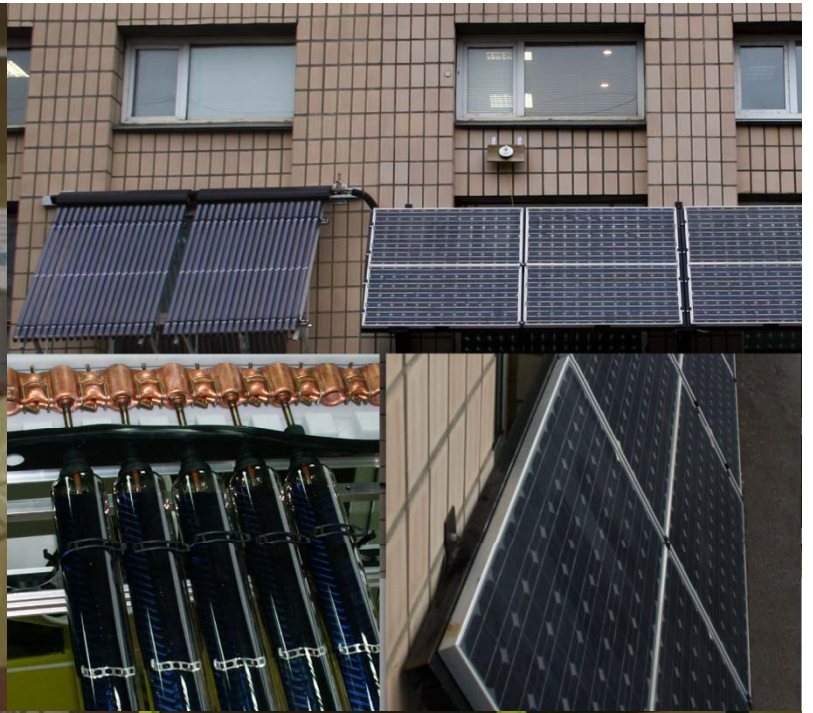
**The largest international school project
on climate, energy and environment
17 countries, 4500 schools
175000 children**



SPARE - education on climate and energy and support of school initiatives on simple energy solutions

- **SPARE text book** "Energy and environment" for secondary school, program and **book for primary school**, additional educational and methodical materials.
- **Integration of climate/energy theme to school education** (main subjects, additional lessons, facultatives, clubs).
- **Methodical help to teachers**, seminars, re-training courses.
- **www.spareworld.org** - methodical resource on education, practical measures, space for communication, information and experience exchange.
- **Annual competition** "Save climate with simple energy solutions".
- **International Energy Saving Day 11 November** - practical and information actions, appeals to authorities, media work.







Information center for teachers and students (St. Petersburg, Russia)



INFORSE-Europe
CAT, UK 2010

Annual coordination SPARE seminar

Awarding competition winners



Re-training courses for teachers



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Children inform society

Green Tram - Yekaterinburg.

**Exhibition “From fair to LED”,
leaflets for home and office .**

**Regional teleconference on
climate – Irkutsk.**

**SPARE presented at the “Social
Market of NGO services” –
St.Petersburg.**

**International tele-conferences
and exchange visits**

Bulgaria – Ukraine – Russia.



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Integration of SPARE to state education system

Ukraine, Belarus, Bulgaria, Armenia, Georgia –
SPARE is approved by Ministry of Education.

Other countries - cooperation of **SPARE NGOs** with educational departments, teacher retraining institutions.

SPARE initiates and supports development of state educational materials (Russia, Moldova, Armenia..)

PRACTICAL MEASURES

Promotion of the solar energy in Kyrgyzstan

- Exhibitions placed in the socially important territories: kindergarten, tourist centre, mosque, children's home, etc



Energy efficient “Green House” in Tajikistan



Energy efficient lighting Macedonia



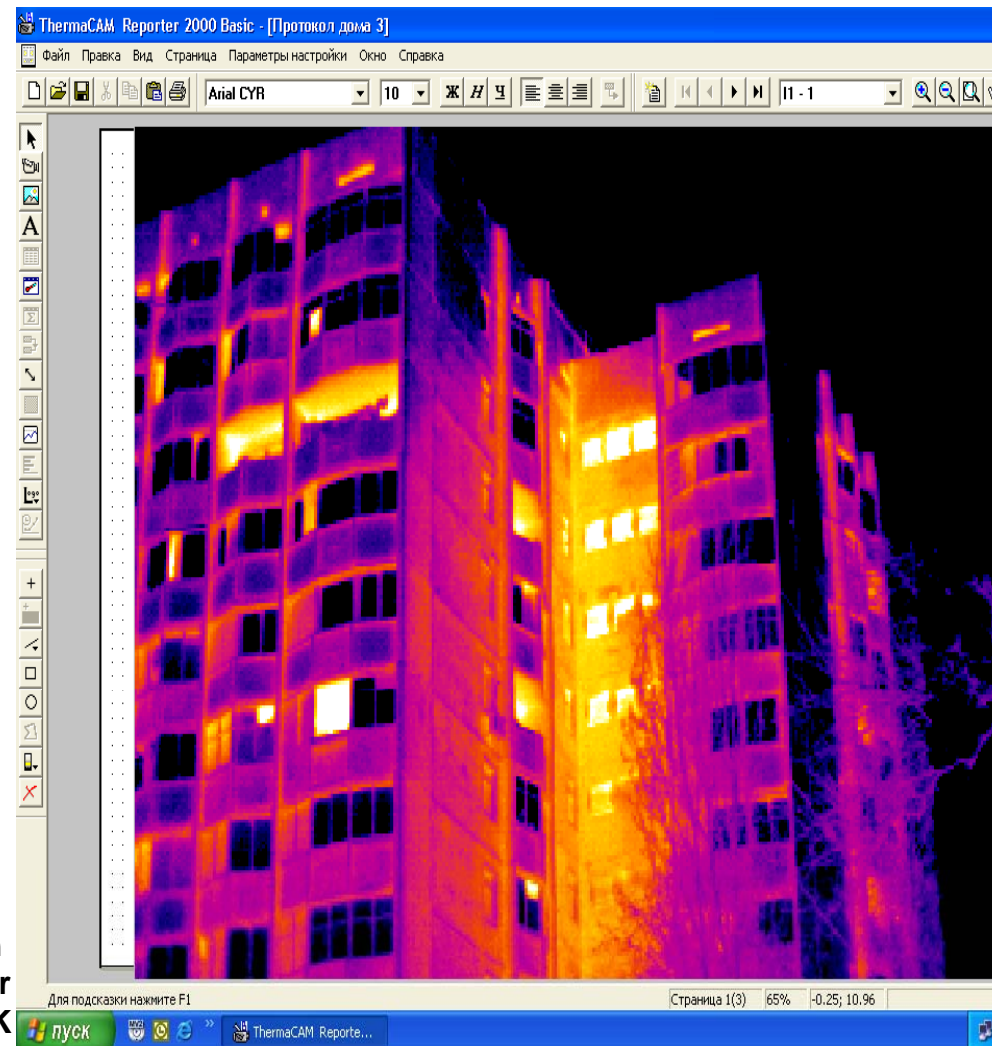
Windows Insulation

(Armenia, Georgia, Kyrgyzstan, Kazakhstan, Macedonia, Russia)

Insulation of one window saves 15-20 % energy, reduce CO2 emission more than 3,5 ton per year (35 ton for window lifetime).

Do we need more energy?

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Russia:
53000 schools
34000 of them in rural areas
with bad energy conditions

Energy loses in the buildings

40-75%

FOR THE
CAT, UN 2010



Practical work with schools in North-West Russia within SPARE

- Helping schools with simple energy audit, finding energy losses, recommendation for effective and economy lighting and heating.
- Training for teachers and pilot window insulation in schools of North-West Russia.
- Dissemination of results among other schools in the pilot regions.
- Wide dissemination among other schools/teachers, NGOs, mass-media, authorities....

Training in St.Petersburg (trainer – Andriy Martynyuk, Ukraine)



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Work with mass-media

Work with school administrations, housing community leaders



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SPARE priorities for the nearest future

- Develop educational basis – **practical lessons**, motivating children to act.
- Collect educational materials and best practices on small scale practical solutions – from all SPARE countries.
- Attract more schools, youngsters, Forum.
- SPARE sustainability - develop NGO cooperation with business, integrate SPARE to national state educational programs on energy efficiency...



Thank you!



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