



INFORSE-EUROPE

International Network for Sustainable Energy



INFORSE-Europe Sustainable Energy NGO Seminar

European Green Capital, Hamburg, Germany

August 22-26, 2011

INFORSE-Europe
http://www.inforse.org/europe/seminar_2011_Hamburg.htm

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Education on climate and energy for practical solutions



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The largest international school project
on climate, energy and environment
17 countries, more than 4700 schools,
about 200000 children

Europe, Caucasus, Central Asia, Africa





gives schools educational materials on global climate change challenge, human impact to nature and opportunities for energy saving, energy efficiency and renewable at homes, at schools, in the local communities;



turns schoolchildren from learning to doing, shows children the way for personal actions;



informs society;



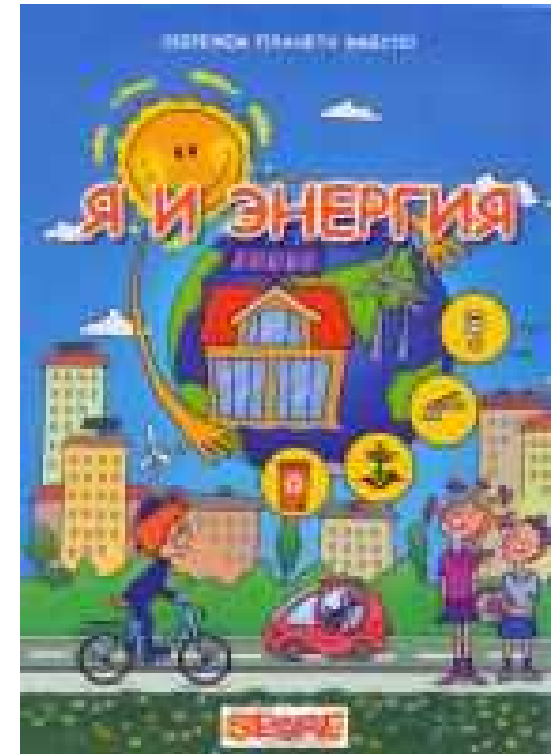
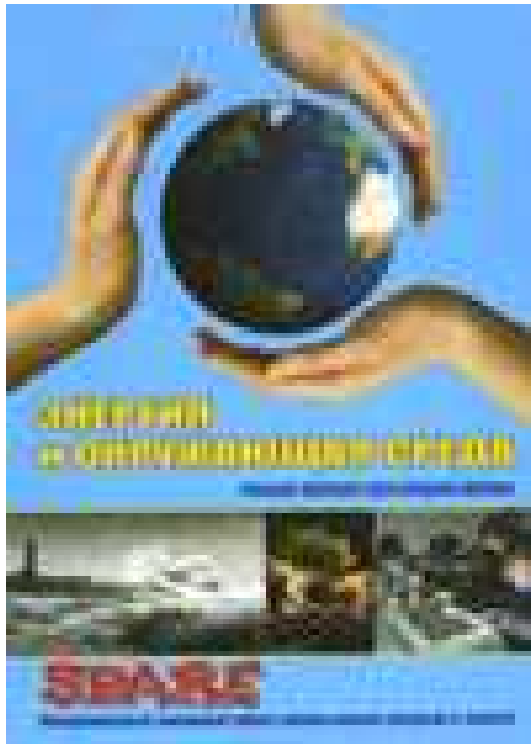
NGOs work in the field of:

- **Education**
- **Promotion of practical solutions on RE and EE**
- **Making better policy**

SPARE EDUCATION

- ❖ Text book “Energy and environment” for secondary school – new version 2011 is coming.
- ❖ Book and program for primary school “Me and Energy”.
- ❖ Set of practical lessons for secondary school – is coming.
- ❖ Additional educational materials: games for children, guide for teachers.
- ❖ Methodical help to teachers, seminars, re-training courses.
- ❖ www.spareworld.org - methodical resource on education, practical measures, space for communication, information and experience exchange.

General SPARE educational materials



- SPARE text book for secondary school.
- SPARE International booklet.
- SPARE book for primary school.

Integration of SPARE to state education system

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

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

SPARE experts work for development of state educational materials (Russia, Moldova, Armenia..)



Train
teachers,
distribute materials
↓
SPARE
lessons
↓
School projects on energy
saving and RE
↓
Practical
actions at home and at
schools
↓
Show results to society -
neighbors, authorities

SPARE COMPETITION

“Energy and Environment” – step to actions

- ❖ Schoolchildren projects on improving energy efficiency of schools and homes: lighting, heating, insulation, EE equipment...
- ❖ Schoolchildren projects on the application of local renewables: simple models, projects on local energy supply...
- ❖ Information projects on simple solutions to reduce the CO2 emission addressed to public: video, ppt, leaflets, posters.
- ❖ Teachers projects “Practical lesson on climate and energy”.

Save climate with simple energy solutions!



SCHOOL PROJECT
SPARE
SIMPLY SAVING THE PLANET





SCHOOL PROJECT
SPARE
SIMPLY SAVING THE PLANET

awarding ceremonies



Opportunity to cooperate with authorities, business,

SPARE ACTIONS

- ❖ Insulate of windows in schools.
- ❖ Improve lighting system to energy efficient.
- ❖ Make demonstration project on solar energy.
- ❖ Construct and demonstrate the energy efficient stoves.
- ❖ Information actions to show people SPARE findings. opportunities for RE and EE.



Macedonia



Kyrgyzstan



Georgia



Russia

2010

Information center for teachers, students, housing communities, municipals - St.Petersburg, Russia



1/3
добываемой
во всем
мире нефти

Расход топлива

Легковой автомобиль (один водитель)	Вертолет	Самолет
80 см ³	70 см ³	50 см ³

Защитите
Выбирайте

Какой толщины должна быть стена дома в СПб и ЛО?

- пенопласт: 10 см
- минеральная вата: 20 см
- дерево: 80 см
- керамзитобетон: 100 см
- кирпич: 200 см

Training for local community in Kyrgyzstan



Energy efficient “Green House” in Tajikistan



Demonstration of energy saving case to housing community leaders in North-West Russia



SPARE ENERGY SAVING DAY

11.11.11



- ❖ Make energy audit of your class!
- ❖ Make simple energy improvements!
- ❖ Make an exhibition/ information action for public!
- ❖ Send postcard to authorities!

SPARE international cooperation

- ❖ Annual international seminar - country by country...
2011 – Ukraine, 2010 - Belarus, 2009 – Norway, 2008 - Kazahstan, 2007 – Moldova...
- ❖ Schools exchange visits:
Bulgaria – Russia - Ukraine
- ❖ Teleconferences:
Bulgaria – Russia – Norway



SPARE annual international seminar -
Sevastopol, Ukraine, May 2011



SPARE PARTNERS

- ❖ Schools, pedagogical institutions.
- ❖ Universities, scientists.
- ❖ Local municipalities.
- ❖ Green energy companies.

Cooperation with state bodies:

In the post-soviet countries NGOs still have very limited access to decision making process.

Many of SPARE NGOs oppose state nuclear projects, oil monopolists.

SPARE helps NGOs to became more requested by state, more involved to policy.

SPARE NGOs policy work

- ❖ NGO position on climate/energy policy, observers at UNFCCC/COP (Russia, Tajikistan...)
- ❖ Participation in the national working groups on energy legislation (Kazakhstan, Bulgaria..).
- ❖ Participation in the development of educational standards (Armenia, Georgia, Moldova).
- ❖ Participation in the work on regional low carbon strategy (Bulgaria-Sofia, Russia, - Yekaterinburg...).



SPb Politechnik University RE demonstration center





Thank you!

www.spareworld.org

