

# ANNOUNCEMENT OF INTERNATIONAL COMPETITION FOR SCHOOL PROJECTS FOR ENERGY EFFICIENCY "ENERGY AND ENVIRONMENT"

FOR THE 2008/2009 SCHOOL YEAR

The competition is being held within the framework of the international educational program spare (school program for the use of resources and energy) and the world decade of the united nations decade of education for sustainable development, with the support of the Norwegian society for the conservation of nature and Inforse-europe (international network for sustainable energy). The 2008/2009 competition is being held under the following slogan:

## WE CAN REDUCE GREENHOUSE GAS EMISSIONS

We invite to participate in the competition those school children and teachers who already have achievements, or want to start to work on practical activities, in the sphere of climate change, implementing energy savings, use of renewable sources of energy for local needs, raising the energy efficiency of school buildings, and in developing the education of schoolchildren and public outreach about questions of energy efficiency and energy savings. The competition will be held in two stages: national and international (the national competition preceding the regional stages).

**For the international competition we receive maximum 5 submissions per country, and no more than two submissions in each of the nomination groups.**

### **NOMINATION GROUPS FOR SCHOOLCHILDREN:**

#### **Nomination Group 1. Practical work:**

##### **1A. Practical experience of energy savings at school and home.**

Describe which methods you used for achieving energy savings at home and school, and why you chose these methods and what results you achieved.

##### **1B. Practical implementation of renewable sources of energy** (choose one or two sources).

Describe how you constructed a model or how you in practice used solar, wind, hydro, or biomass energy. Describe how you worked and which results you received.

#### **Nomination Group 2. Theoretical work:**

##### **2A. Energy saving in your local community.**

Describe a possible project for introducing energy savings in your school, at home, in your community (the project should concern actual existing sites), propose methods and approaches for more effective and economical



use of energy. Explain how the project could be realized, and what improvements the project will bring the local community.

### **2B. Application of renewable sources of energy.**

Describe and justify one example of how to use solar, wind, hydro or biomass energy for specific goals of energy saving in your local community. Describe why you chose this source of energy specifically, and how this project can be realized in practice, with assessment of results and benefits.

For submissions of categories 1A, 1B, 2A, and 2B, it is essential to describe the relationship between your work and climate change, and how your proposals/project helps to reduce greenhouse gas emissions.

### **Nomination Group 3. Information:**

#### **3A. Information product - public education/outreach of energy savings:**

Make an information product that convinces parents, friends, teachers, and resident of your locality of the necessity to lower energy consumption and emission of greenhouse gases. The product should give recommendations on practical actions that can be implemented at school, home, and at the scale of your local community.

The information product can be made in the form of leaflet, newspaper, poster, video, multimedia, or PowerPoint presentation.

### **NOMINATION GROUP FOR TEACHERS**

#### **4.1. Lesson on Climate Change**

We ask for proposal of practical implementation of a lesson (1-2 hours), focusing on the problem of global climate change and possible consequences for your country/region. Practical measures that can be undertaken at the individual level, within the context of school, home or local community for lowering greenhouse gas emissions, should be included in the lesson.

#### **4.2. Pedagogical materials on Climate Change**

We ask for suggestions for pedagogical materials for schoolchildren about global climate change. Please include possible consequences for your country/region, and practical measures for lowering greenhouse gases. We receive works in form of exercises for practical lessons/experiments, posters, PowerPoint presentations, and role-playing scenarios. The materials should be designed for 1-2 hour lessons. If the work you submit is part of a larger educational approach, please describe briefly this connection.

### **RULES FOR SUBMITTING TO THE NATIONAL AND INTERNATIONAL COMPETITION**

Competition submissions must be made in electronic form in Russian or English language. Text will be accepted in the format of Microsoft Word, with the use of standard font size of 12, with enclosed illustrations and tables that are included in the text. Number of pages not more than 6, including illustrations. Total size of the competition work of categories 1, 2 and 4 not more than 300 kb. For the Nomination Group 3 presentations in format Microsoft PowerPoint or Adobe PDF documents should not be larger than 300 KB. Videos in the format

WMV, DIVX and MPEG-1, cartoons in format Macromedia Flash (SWF) and computer games will be accepted on the condition that the size of their file (in compressed format) does not exceed 500 KB.

**It is highly recommended to use the compression formats RAR or ZIP. It is also possible to publish the material on [www.youtube.com](http://www.youtube.com) and then send the link to this material for judgment.**

**The set of materials must include a filled out REGISTRATION FORM on the first page.**

**Materials that do not meet these conditions will not be reviewed.**

## COMPETITION TIMELINE

The competition is officially announced in September 2008. The deadline for sending submissions for the national competition is determined by the national coordinator. (See the list of contact information of the national SPARE coordinators.)

If a country has no national coordinator, the submission can be sent to the international coordinator ([yl@naturvern.no](mailto:yl@naturvern.no), [russia@spareworld.org](mailto:russia@spareworld.org)), otherwise it has to go through national coordinator.

**The deadline for sending submissions directly to the international level is no later than 15 March 2009.**

## CRITERIA FOR EVALUATION OF SUBMISSIONS

### Kids nominations:

In scoring the competition submissions, the current relevance of the chosen topic, the justification of the proposed methods for implementing the project, possible practical result, the argumentation of results and recommendations, and the quality of the presentation of the project, will be taken into account. It is also important how the measures presented are established in a connection with the problem of global climate change.

In the nomination group 3 the originality of the implementation and artistic representation is also considered.

In evaluating the project, the level of difficulty and independence of the implementation of the project will be related to the age of the authors.

### Teacher's nominations:

In evaluating the teachers' submissions, the following will be taken into account: The ability of the projects in stimulating motivation for practical activities among children and adults in order to achieve reduction of energy consumption; received or expected energy savings or use of renewable energy; the use of interactive methods that help to attract children to discussion, creativity, practical activity; the possibility of replicating the proposed pedagogical methods.

## COMPETITION PROCEDURE

International SPARE coordinators, representatives of international organizations, experts working in the sphere of energy and education, and national SPARE coordinators will be members of the international jury.

Announcement of final results of the international competition will take place at a meeting of the jury within the framework of the annual international meeting of the SPARE coordinators, spring 2009.

**Winners of the international competition will be awarded certificates and prizes.**

**Results and a reports will be posted on:**

**[www.spareworld.org](http://www.spareworld.org)**



### **The Norwegian Society for the Conservation of Nature**

Contact person: Yngvild Lorentzen

Address: Grensen 9 B, 0159 Oslo, Norway.

T: +47- 23 10 96 10, F: +47- 23 10 96 11,

E: yl@naturvern.no

### **Friends of the Baltic**

Contact person: Olga Senova

Address: P/o box 21, yл. Chebyshevskaya 14/1,

Petrodvoretz - St.Petersburg, 198504, Russia.

T/F: +7 812 4280658

E: olga-senova@yandex.ru