

ENFORMA EC

**TRAINERS TRAINING MEETING OF THE
E-CONS NETWORK (COMENIUS 3)**

**Valencia - 26th, 27th and 28th
March 2009**

My proposition

A Comenius Regio project

Or

a Comenius Learning partnership project

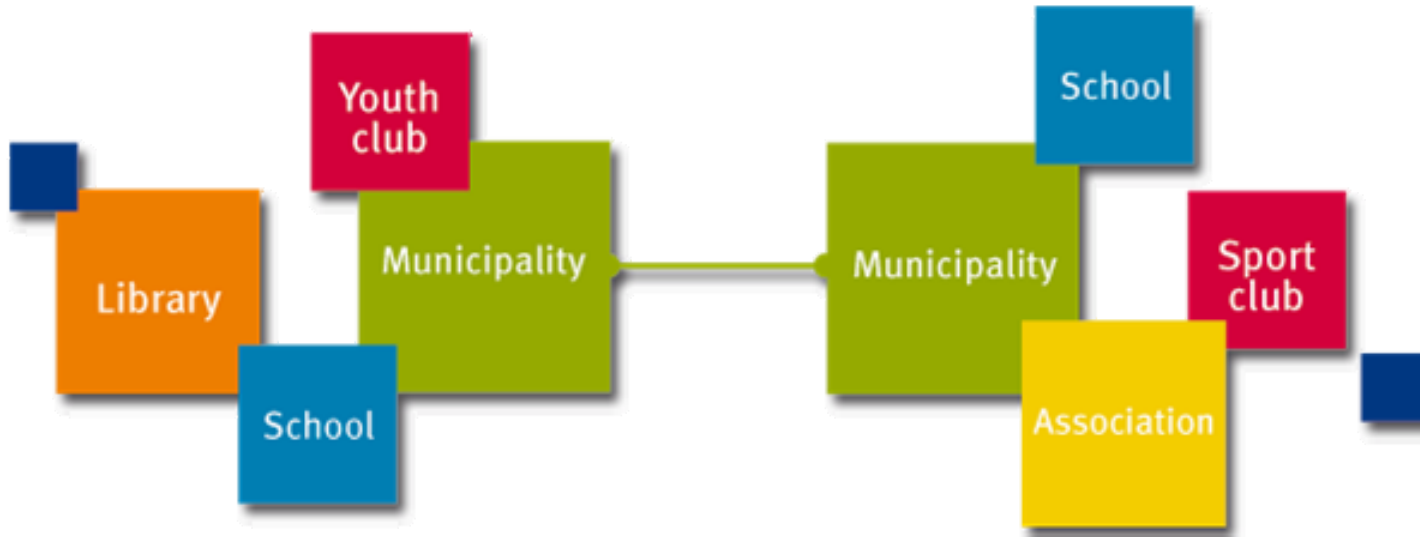
Comenius Regio



First step: to create a Comenius Regio partnership: development of cooperation among the different actors in the municipality or region

Second step:

cooperation, exchange of good practice,
development of new approaches

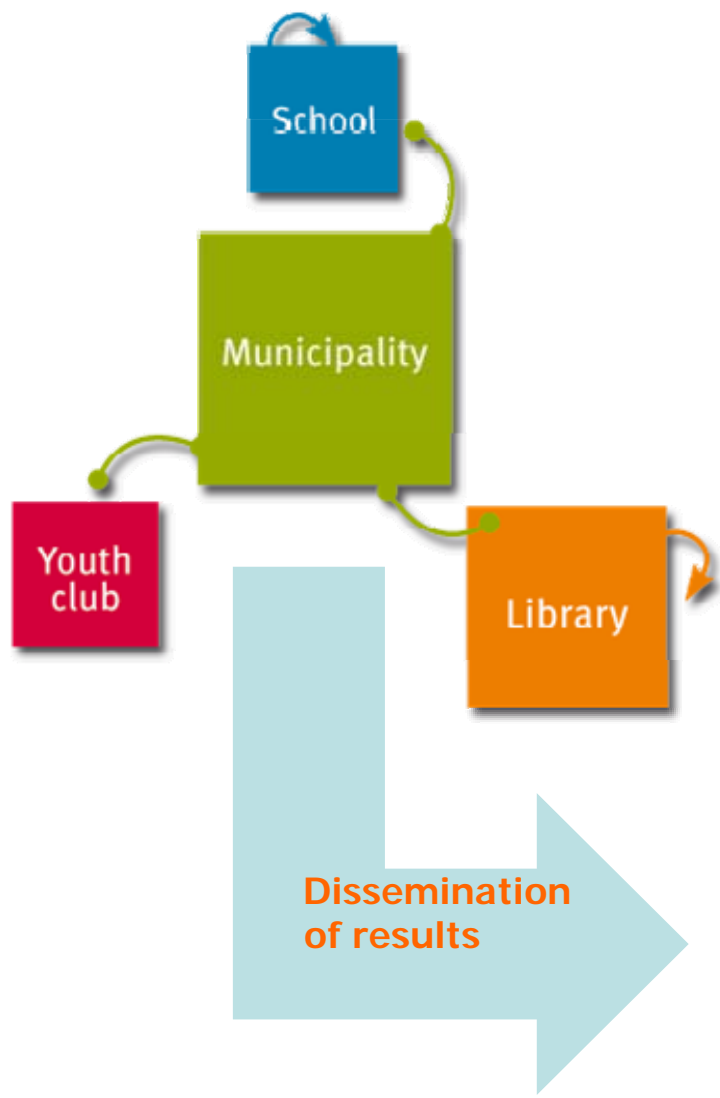


Comenius Regio Partnerships consist of 2 "partner regions".

Each partner region must involve:

- the local or regional authority with a role in school education,
- at least one school
- at least one other relevant local organisation or institution (e.g. youth or sport clubs, parents and pupils associations, local teacher training institutes, other learning providers, VET institutions and local employers, museums and consulting services/ advisory boards).

Third step:
new practices and cooperation



ENERGY???????????? (title)

Contents

Topics

Topic 1: Concepts clarification

Topic 2: Energy and power units

Topic 3: The History of energy usage

Topic 4: Energy chain and energy transfer

Topic 5: Energy sources and resources

Topic 6: New types of energy apart from biomass

Topic 7: Atomic energy (hopes and fears)

Topic 8: Energy production

Topic 9: Energy consumption (energy at home)

Topic 10:Energy consumption (energy outside home)

Topic 11:Energy and agricultural production

Topic 12:Energy in transportation

Topic 13:Energy economics and energy saving

Evaluation

Introduction.

- The age of biological energy (human, animals).
- The first machines that the first elements of Nature used.
- The age of fossil fuels.
- Power increase.

Objectives:

- To demonstrate the great role of energy in different societies with the assistance of historical examples.
- To demonstrate that in different societies the techniques and energy consumptions are developed at the same time.
- To facilitate discussions about the possibility of transforming energy consumption models.

Educational subjects: History, Geography, Technical education, Physics, Chemistry, Technology.

Material that can be used:

Encyclopedias, books about windmills, sails, wind machines, airplanes etc., rulers, paints, wood, cardboard, screws, tools
(if possible to use recyclable materials).

Student's projects:

- Make a diagram that shows the development of the power that human uses in the course of History (walking, moving etc.)
- Find various tools that were used for energy usage through the ages. Which were historically the most important ones'?
- Construct tools and machines that were used for energy usage in the past.
- Ask the elderly people you know about the machines they used or have seen being used in the past. Search for such machines. Take photographs of them.
- Try to imagine future societies and the way they will acquire the energy they will need (role play). Discuss the suggested solutions.

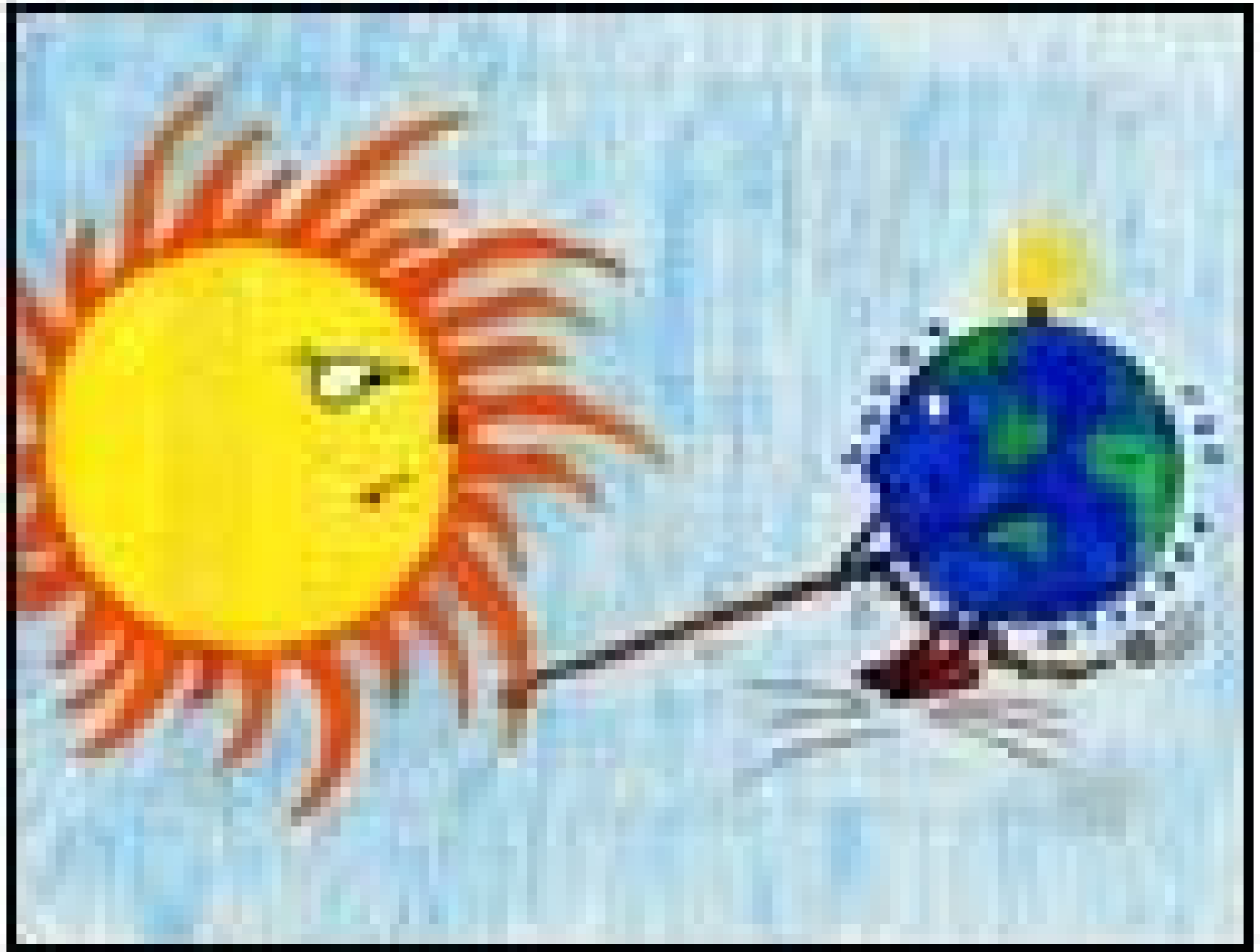
Action

Presentation of an essay to the audience showing the use of energy from a society of the past.

(Choose a society you mark out geographically and historically.) Painting can be made and one or two models of materials that can be used.

You can organize a role play among students from other classes or with adults on the topic "The future of energy" in the community.

An old machine can be found. Draw parts of the machine and if possible a miniature can be constructed.



For more

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