

BEHIND
ENERGY

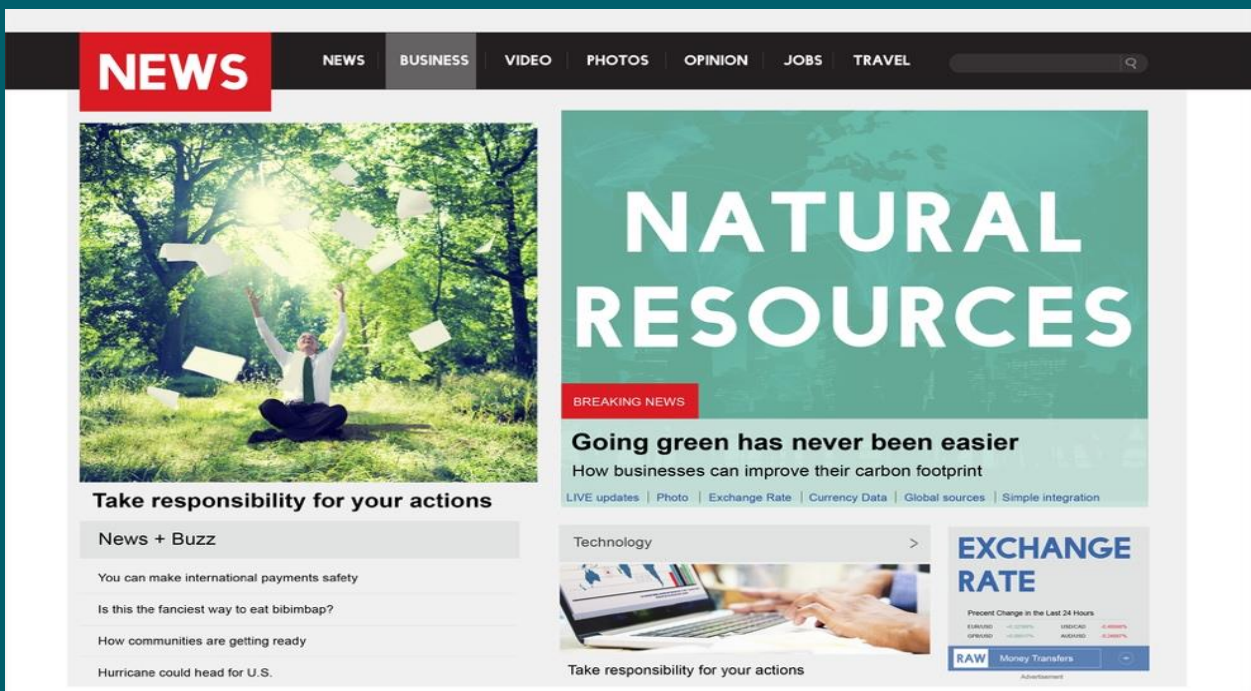


Energy@School

Resources

RESOURCES

In this section we have gathered a selection of websites to get further information on energy issues, following the “**Energy@School**” approach, and therefore with an environmental, social and economic angle. The websites selected can help your education process on the energy-climate topic: for teachers they can serve for background knowledge; for students it’s a way to explore the topic in further depth.



For each website the following information are provided:

- Type (video, text, presentation, infographic...)
- Target audience
- Language
- Short content description

News websites

The following websites are targeted to teachers and students of high schools:

Behind Energy

Information hub focused on real costs of energy.

Language: Italian and English

Link: <http://www.behindenergy.com/>

Enea

Italian National Agency for New Technologies, Energy and Sustainable Economic Development. The website contains: annual reports and leaflets on the energy industry in Italy, energy efficiency and climate change.

Language: Italian

Link: <http://www.enea.it/it>

Qualenergia

Website focused on all policies and technical aspects related to energy, with attention to renewable sources.

Language: Italian

Link: <http://www.qualenergia.it/>

Rinnovabili.it

Daily newspaper online on sustainability, renewable energies and mobility.

Language: Italian

Link: <http://www.rinnovabili.it/>

The Guardian

Daily UK newspaper online with particular attention to energy and environmental policies.

Language: English

Link: <http://www.theguardian.com/environment/>

Unfccc - United Nations Framework Convention on Climate Change

Framework Convention of United Nations on Climate Change. Specialist website with documents and information on global agreements for climate change

Language: English, Spanish, French

Link: <http://unfccc.int/2860.php>

Unep - United Nations Environment Programme

Official United Nations Environment Programme website. Focus on climate change and energy resources.

Language: English

Link: <http://unep.org/>

World Bank

Official website of World Bank. Energy dedicated area can be found in the section “topic”.

Language: English

Link: <http://www.worldbank.org/>

IEA - International Energy Agency

Official website of International Energy Agency. Reference point for information and outlook on energy worldwide. Some reports are available also in local languages.

Language: English

Link: <http://www.iea.org/>

IRENA - International Renewable Energy Agency

Official website of International Renewable Energy Agency. Pre-eminent source of information for renewable energy worldwide, rich of data, infographics and reports.

Language: English

Link: <http://www.irena.org/>

European Commission - Climate Action

Official website of European Commission on Climate Change.

Language: English

Link: http://ec.europa.eu/clima/index_en.htm

European Commission - Energy

Official website of European Commission on energy.

Language: English

Link: http://ec.europa.eu/energy/index_en.htm

The Euro-Mediterranean Center on Climate Change

Euro-Mediterranean Center on Climate Change official website. Full set of documents, videos, data, news and reports on climate.

Language: English and Italian

Link: <http://www.cmcc.it/>

Rocky Mountain Institute

Rocky Mountain Institute is a non-profit organization active in education for the correct use of natural resources. Documents and special contents are available on energy efficiency.

Language: English

Link: <http://rmi.org/>

BP

Oil company BP issues annually the report “Statistical Review of World Energy”. This report is considered one of the most pre-eminent picture of energy worldwide.

Language: English

Link: <http://www.bp.com/en/global/corporate/energy-economics/statistical-review-of-world-energy.html>

Carbon Tracker Initiative

Carbon Tracker is an independent think tank focused on climate change impact on market and investments of fossil fuels, mapping risks and opportunities, together with paths for low impact behaviours.

Language: English

Link: <http://www.carbontracker.org/>

World Resources Institute

Website with documents and reports on climate change, energy, food, forestry, water and sustainable cities.

Language: English

Link: <http://www.wri.org/>

Infographics

Il magnifico mondo dell'energia

Good starting point to get to know the energy world, with concise description of various sources.

Language: Italian

Target: Lower and high schools

Link: <http://www.behindenergy.com/il-magnifico-mondo-dellenergia/1536/>

The cost of going green globally

There are already several brilliant solutions to the main environmental issues our world is facing today, but how much it would cost to adopt them globally?

This infographic calculates the cost of shifting completely from fossil fuels to renewables.

Language: English

Target: Lower and high schools

Link: <http://www.behindenergy.com/quanto-costerebbe-allintero-pianeta-passare-alle-rinnovabili/6787/>

Reasons and impacts of climate change

Infographic illustrating the impacts of climate change on our Earth and causes that need to be removed.

Language: Italian

Target: Lower and high schools

Link: <http://www.behindenergy.com/cause-ed-effetti-dei-cambiamenti-climatici/5682/>

Infographics on energy in European Union

Several infographics prepared by European Commission on energy.

Language: English

Target: Lower and high schools

Link: <https://ec.europa.eu/energy/en/publications-overview/infographics>

Gli italiani e l'energia

Infographic on main results of the first scientific pool on how Italians see the energy matters. The majority of citizens see oil as expensive and cause of wars; 3 out of 4 Italians see pollution as one of the main causes of death.

Language: Italian

Target: High schools

Link: <http://www.behindenergy.com/sondaggio-italiani-e-lenergia/1711/>

Interactive websites

Museo energia

www.museoenergia.it is a virtual museum constantly updated by experts in the energy field. A perfect tool, mainly for teachers, for anyone wanting to be updated on energy.

Language: Italian

Target: Lower and high schools

Link: <http://www.museoenergia.it/museo.php>

Eni Scuola Energia Ambiente

Website developed by Italian energy company Eni with tools for creating education projects on the environment and climate change. Data, videos, audio, games, experiments and tests can be downloaded for interactive school experiences.

Language: Italian

Target: Lower and high schools

Link: <http://www.eniscuola.net/argomento/cambiamenti-climatici/>

Energia a scuola

Educational project on energy conservation, stimulating students to correct consumption behaviours. The project is based on the Open Mind methodology, leveraging on collective discussion and analytic recognition, together with video-interviews of teenagers and experts. There is also an educational game for students to experience everyday situations directly.

Language: Italian

Target: High schools

Link: <http://www.educazionedigitale.it/percorsi/wni-energia-a-scuola/>

Global Footprint Network

Interactive tool to calculate your environmental footprint based on the specific life style of the user both at home and at school. Good tool to stimulate the debate around the impact of small personal choices and behaviours on the environment.

Language: English and Italian

Target: Lower and high schools

Link: <http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/>

Climate Kids

Website developed by NASA within its educational initiatives on climate. Greenhouse effect and climate change are explained with videos, data and other materials. The “Climate Time Machine” gives the opportunity to see visually the long term impact on earth caused by pollution and increase of temperature.

Language: English

Target: Lower schools

Link: <http://climatekids.nasa.gov/>

Clim Way

Website with animations, video, interviews, cartoons, infographics and a role-playing game. The role-playing game can be used for homework: the student is asked to design and implement a plan

for environmental conservation, acquiring specific knowledge on numbers and dictionary. Useful also as alternative tool for English and French teaching.

Language: English and French

Target: High schools

Link: <http://climway.cap-sciences.net/us/index.php>

Videos

A guide to the energy of the Earth

Global energy demand keeps increasing, but energy cannot be created and it doesn't disappear. Where the energy comes from and where does it? Joshua M. Sneideman describes the several cycles of energy on our planet.

Language: English (with Italian subtitles)

Target: Lower and high schools

Link: <http://www.behindenergy.com/energia-sulla-terra/719/>

The Ultimate Roller Coaster Ride: an abbreviated history of fossil fuels

Fossil fuels have powered growth in the last century. Now we are approaching peak oil and coal at low cost, but we have a challenge in front of us: to manage the shift to a low carbon future.

Language: English (with Italian subtitles)

Target: Lower and high schools

Link: <https://www.youtube.com/watch?v=nYr55qJHd1o>

Energie Rinnovabili viste dai più giovani

An introduction to renewable energy by high school students.

Language: Italian

Target: Lower and high schools

Link: <http://www.behindenergy.com/le-energie-rinnovabili-viste-dai-piu-giovani/4204/>

HOME, our Earth

Movie of Yann Arthus-Bertrand

A doc-movie on climate change dynamics and the role of human behaviour on the greenhouse effect. Won an Oscar in 2007 for the best doc-movie: a useful tool to explain climate change.

Language: Italian

Target: High schools

Link: <https://youtu.be/l1fQ-3-CEfg>

Cambiamenti climatici, la scienza alla base di tutto

Climate science described and explained by Antonio Navarra, an expert climatologist.

Language: Italian

Target: Lower and high schools

Link: <http://www.behindenergy.com/cambiamenti-climatici-la-scienza-alla-base-di-tutto/4120/>

Breve storia del riscaldamento climatico

A 3-minute video to explain global warming. 2016 is the 120th anniversary of the year when scientists started to see human behaviour as one of the causes of global warming. Since then, science has been monitoring the situation closely, but politicians faced the issue in a confused manner and the future remains full of uncertainty.

Language: Italian

Target: Lower and high schools

Link: <http://www.behindenergy.com/una-breve-storia-del-riscaldamento-globale/8217/>

An introduction to climate change in 60 seconds

An animated movie by the scientists of the Royal British Society and American National Academy of Sciences, among the most well-known scientific academies worldwide.

Language: English

Target: High schools

Link: <https://youtu.be/n4e5UPu1co0>