

NEWSLETTER

EDUCO2CEAN #1



[INTRODUCTORY TEXT]

EduCO2cean is a new European project that aims to communicate the importance to society of research on climate change and the ocean, with special emphasis on the Atlantic and the Baltic Sea.

EduCO2cean is focused on the involvement of students (15-17 years old) in initiatives aiming to communicate climate change impact and to promote environmental awareness, to achieve a more sustainable ocean environment.

[EDUCO2CEAN NEWS]

[EDUCO2CEAN LAUNCHED IN VIGO, SPAIN]

The kick-off meeting of EduCO2cean was held in Vigo (14th and 15th of November 2016), where the partners had the opportunity to discuss in detail the tasks and outputs of the project.

The project runs for 24 months from September 2016 to August 2018, and brings together seven partners, from different countries and backgrounds:



ASPEA - Associação Portuguesa de Educação Ambiental, Portugal

IES Ribeira do Louro, Spain

Ciência Viva - Agência Nacional para a Cultura Científica e Tecnológica, Portugal

Campus do Mar, Spain

IES Virxe do Mar, Spain

MASTS - Marine Alliance for Science and Technology, Scotland

Caretakers of the Environment International, Poland

The major outputs of the project are:

- E-book about climate change in the oceans;
- Collaborative educational portal allowing educational communities to evaluate and improve the ideas, experiences and initiatives related to the project;
- Electronic magazine where all students, teachers and researchers involved in the project can participate;
- Virtual international congresses with students and their teachers;
- International youth campuses and teachers' seminars.

[OTHER NEWS]

[UN CLIMATE CHANGE CONFERENCE (COP22) HELD IN MARRAKECH, MOROCCO]

Morocco hosted the 22nd Session of the Conference of Parties (COP22) to the United Nations Framework Convention on Climate Change (UNFCCC), from 7th to 18th of November 2016. The aim was to better understand the many issues involved in fleshing out the Paris Agreement.

The outcomes of COP22 can be read [here](#).

[NEXT EVENTS]

[EDUCO2CEAN EVENTS]

[29TH AND 30TH OF MAY 2017 | PARTNERS' MEETING IN SCOTLAND]

During the meeting, EduCO2cean partners are going to organise two major events aimed at teachers and students participating in the project. 1) An international youth campus and a teaching seminar in Centro Nacional de Educación Ambiental (CENEAM), in Valsain, Spain, occurring from 2 to 7 September 2017; and 2) A teacher training event in Katowice, Poland, planned for November 2017.

[RESOURCES]

[Lesson plans about ocean acidification]

The oceans play a critical role in regulating atmospheric carbon dioxide through the interaction of physical, chemical, and biological processes. As a result of anthropogenic activity, a doubling of the atmospheric CO₂ concentration (to 760 ppm) is expected to occur by the end of this century. A quarter of the total CO₂ emitted has already been absorbed by the oceans' surface, resulting in a decrease in pH.

In these activities, students investigate how the changing carbon cycle will affect the oceans along with their integral populations.

Explore all activities [here](#)

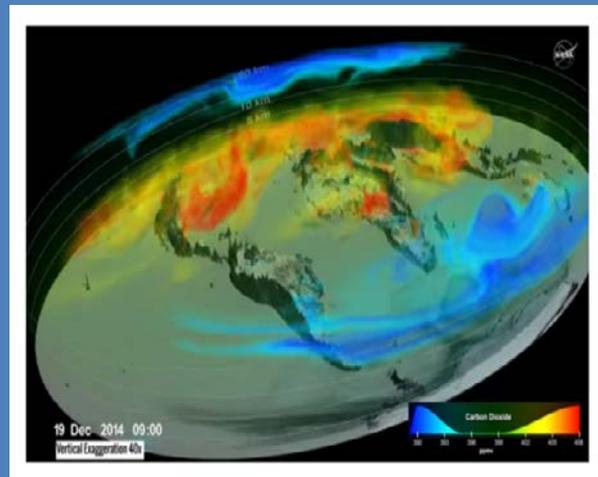
The **Ocean Carbon and Biogeochemistry Project** of the **United Kingdom Ocean Acidification Programme**, and the European Project on Ocean Acidification (EPOCA) have developed a document, which highlights the Frequently Asked Questions about Ocean Acidification.



NASA'S NEW GLOBAL VIEW OF CARBON DIOXIDE

NASA released a realistic 3D visualization on how carbon dioxide (CO₂) moves through the atmosphere. This model uses NASA's satellite measurements of CO₂ and reveals in detail the complex patterns of this greenhouse gas in the earth atmosphere over the course of September 2014 to September 2015.

The video and more information about carbon dioxide and greenhouse effect can be found [here](#).



PROJECT'S CONTACTS

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