

NEWSLETTER

EDUCO2CEAN #1

The logo for EduCO2cean features the text 'EduCO2cean' in a bold, sans-serif font. The 'CO2' is highlighted in green and blue, with a stylized wave graphic underneath. To the right of the logo is the European Union flag and the text 'Co-funded by the Erasmus+ Programme of the European Union'.

EduCO2cean is a new European project that aims to communicate the importance of the research on climate change and the ocean to the society, 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 last 14th and 15th of November, where the partners had the opportunity to discuss in detail the tasks and outputs of

the project. The project lasts 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 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: 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 a teacher training in Katowice, Poland, planned to November 2017.

OTHER EVENTS

20th of May 2017

EUROPEAN MARITIME DAY

European Maritime Day is celebrated annually across Europe to raise citizen's awareness to the importance of the sea. A broad range of activities for teachers are carried out mainly from 15th to 21st of May. More information can be found [here](#).

RESOURCES - ACTIVITIES

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](#).

RESOURCES - GOOD READS

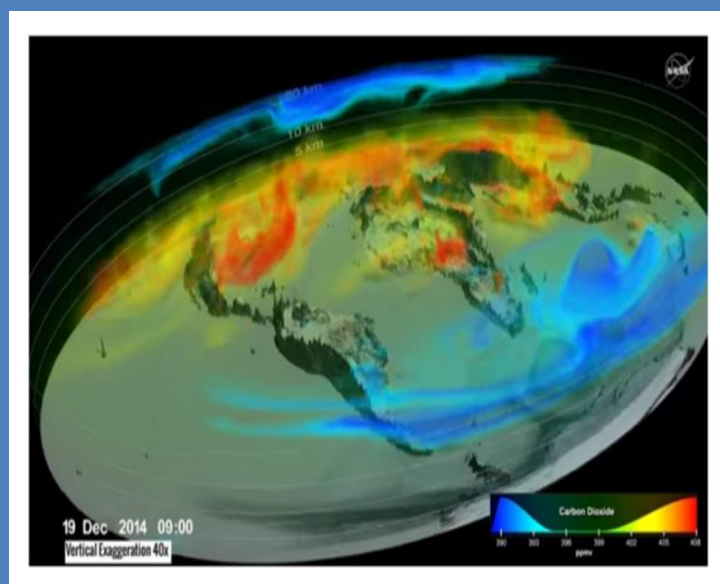
20 FACTS OF OCEAN ACIDIFICATION

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

Read the full document [here](#).

RESOURCES - VIDEOS

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](#).

**NEWSLETTER EDUCO2CEAN
Coordenation**

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