



ASSOCIAZIONE DI PROMOZIONE SOCIALE

FESTA DELL'EUROPA 2022



AGENDA 2030

GRUPPO INTERNAZIONALE  
AURELIO PECCEI  
STUDI E RICERCHE  
DIDATTICO-SCIENTIFICHE  
SUI MACROPROBLEMI

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## 47th MEETING ON MACROPROBLEMS 2022

*For an exchange of opinions among young people at an international level*

**DECADE OF OCEAN SCIENCE FOR SUSTAINABLE DEVELOPMENT  
(2021-2030)**

In this 2021 the *Decade of ocean science*, proclaimed by the United Nations, to give us the scientific notions which will allow us to "save" seas and oceans from different forms of pollution has started.

Italy with its position in the Mediterranean has to play a central role because it has an important tradition on ocean sciences to reaffirm: the first oceanographic campaign in history, made at the end of 1600, was coordinated by an Italian, Luigi Ferdinando Marsili, whose results maybe represent the first scientific treaty of modern oceanography.

The results expected by educational research are closely linked to issues such as climate change, prevention and management of natural risks, sustainable fishing and also to an issue which is becoming increasingly topical, that is the connection between marine health and human health. An example of this close connection is the fact that sea organisms are an excellent source of new enzymes and chemical substances which are increasingly used to develop drugs used to cure cancer and Alzheimer's disease. The variations inside the species can produce differences in the compounds and concentrations depending on different sea environments, therefore it is important to protect the genetic inheritance and biodiversity. Furthermore, many studies show that the connection between human, physical and mental health, wellbeing and the closeness to the sea.

Some researchers call this connection «Blue gym effect».

Also the Association THE GREEN AGE and its INTERNATIONAL GROUP AURELIO PECCEI AND EDUCATIONAL-SCIENTIFIC STUDIES AND RESEARCH ON MACROPROBLEMS intend to raise awareness among citizens and above all young people of the issues linked to the sea by drawing inspiration from the Oceanthon initiative whose main objective is to gather young experts from different disciplines and fields, from ocean sciences to the economy, from design to marketing, to think of innovative solutions to some of the challenges we will have to face for the next Decade. Everybody has a role to play in the development of solutions and above all innovation, digitalization and sustainability have to go at the same pace. Young people will have to propose innovative ideas to issues such as renewable energy, sustainable tourism and the defence of our coasts from phenomena such as the increase in sea level but also to all those issues regarding the need to increase the awareness on the importance of oceans for our future.

For this reason we invite to consult the Italian publication of the practical kit "Ocean Literacy for All. A toolkit". The volume, available for free online through the UNESCO website, is for teachers and educators to propose some activities involving students of all ages in the discovery of oceans, their importance for life on our planet but also the problems threatening their health. Within this framework, the Group on Macroproblems "Aurelio Peccei" suggests for 2021/2022 the following research themes *for an exchange of opinions among young people at an international level*, leaving teachers and students free to develop and present other issues linked to the annual school programme

# HOW TO PRESERVE AND USE OCEANS, SEAS AND MARINE RESOURCES FOR A SUSTAINABLE DEVELOPMENT IN A LASTING WAY

Schools and Students can participate in the following sectors:

**FIGURATIVE ARTS (A4 or A3 format), JOURNALISM AND RESEARCH, LITERATURE, VIDEO, CD ROM/INTERNET HYPERTEXTS, PHOTOGRAPHY, MUSIC, THEATRE AND ENTERTAINMENT.**

**GENERAL THEME:** *"Instead of putting new generations in the need to re-establish in difficult conditions the balances upset by us, we should, starting from now, adopt models of development and lifestyles which can be predictably kept over the years and decades until we are allowed to see" (from Appeal to all men and women in the spirit of the Club of Rome, Aurelio Peccei, Rome, 2 January 1979)*

## **SUGGESTED THEMES:**

- 1. HYDROSPHERE: WATER CYCLE, CLOUD FORMATION, WATER AS BIG CLIMATE REGULATOR**
- 2. BARRIER REEF, COASTS, MANGROVES AND THEIR ECOLOGICAL IMPORTANCE**
- 3. DURING THE HISTORY, OCEANS AND SEAS HAVE BEEN AND CONTINUE TO BE VITAL CHANNELS FOR TRADE AND TRANSPORT**
- 4. POLLUTED OCEANS: PLASTIC, MICROSPPHERES, WASTE WATERS, NUTRITIONAL ELEMENTS AND CHEMICAL SUBSTANCES**
- 5. DEEP OCEAN AND CREATURES OF SEA DEPTHS**
- 6. DISSEMINATION AND ENHANCEMENT OF UNDERGROUND CULTURAL HERITAGE**
- 7. EMOTIONS: SEA IN ART AND LITERATURE**
- 8. THE GREAT EXPLORATIONS OF OCEANS MADE BY EUROPEANS TO ENLARGE THE KNOWN WORLD**

**The best works of students and schools will be presented and given a prize in Rome in May 2022 during the 47th Annual Meeting.**

## **AURELIO PECCEI PRIZE**

*On recommendation of the members of the Scientific Committee of the International Group on Macroproblems, the Aurelio Peccei Prize will be given to political and scientific figures who thanks to their work contribute to information and education, human development and environmental safeguard.*

**ENTRY BY 15TH FEBRUARY 2022**

**SEND THE WORKS BY 15TH APRIL 2022 with a list of participants and teachers:**

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