



WHAT IS GIS4SCHOOLS?

The GIS4Schools project is a strategic partnership in the field of School Education aimed at introducing new methodologies based on the use of GIS technologies applied to the impact of climate change on the environment in order to improve STEAM's learning by pupils.



Eurisy fulfils a leading role in the communication and dissemination segment of this project, by conveying innovative practices on the basis of space technology to students, teachers, and other enthusiasts of this project.



GIS4 Schools

www.gis4schools.eu



GIS4Schools aims to increase the interest of secondary schools' pupils in STEAM disciplines through GIS technologies!



The methodology of the project combines Inquiry Based Science Education (IBSE) and Problem Based Learning (PBL) approaches to an interdisciplinary contextualisation of STEAM topics.



Develop a scalable and reusable training package focused on the use of GIS in climate action for the European school education system.



Four European secondary high-schools participate in the project with four climate-related case studies:

ITT Marconi, ITALY: Mapping the spread of the processionary caterpillar in the forest around the city of Rovereto.

Escola Secundaria Jose Afonso, PORTUGAL: Drafting a flood vulnerability index in the municipality area of Seixal.

Colegiul National Ion Neculce, ROMANIA: Assessing air quality levels in Bucharest and in the Danube Delta.

IES Marc Ferrer, SPAIN: Environmental assessment of wetlands in Formentera.

Download the GIS4Schools Handbook

The GIS4Schools Handbook has been designed to provide teachers with a new teaching methodology for GIS and Earth Observation technology, and to facilitate the understanding of pupils of GIS and Earth Observation. It combines theory and practice with step-by-step exercises following a learn-by-doing approach.



E-Learning platform

The E-learning platform with an open-source repository is the unifying technological tool that keeps all the different components of the project together and ensures the transferability of the overall process. All the Open Educational Resources on the platform can be easily consulted by all the interested users.



Eurisy is a Paris-based, non-profit association of space agencies and innovation clusters mandated to raise awareness and encourage innovative uses of satellite applications to respond to today's challenges.

www.eurisy.eu

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BRIDGE SPACE AND SOCIETY