



G.I.F.K. project: Geosciences Information For Kids

Anna Elisabetta Merlini (1), Giovanni Grieco (2,1), Mara Evardi (1), Cristina Oneta (3), Nicoletta Invernizzi (4), and Caterina Aiello (5)

(1) Associazione Il Geco, S.P. 1, km 1, 20083, Gaggiano (Mi), Italy (aemerlini@gmail.com), (2) Università degli Studi di Milano, Dipartimento di Scienze della Terra "A. Desio", Via Botticelli 23, 20133, Milano, Italy, (3) Istituto comprensivo Lacchiarella, Scuola primaria di Zibido San Giacomo, (MI)Italy, (4) Istituto comprensivo Lacchiarella, Scuola dell'infanzia di Moirago, (MI)Italy, (5) Istituto comprensivo Lacchiarella, Scuola dell'infanzia di Zibido San Giacomo, (MI)Italy

Our GIFK program was born after the GIFT experience in 2015 when "The Geco" association attended the workshop focused on mineral resources topics. With an extremely clear vision of the fragility of our planet in relation to our "exploiting" society, we felt the need to find a new way to expose young generations to geoscience topics.

With this awareness, a new scientific path for young students, named GIFK -Geosciences Information for Kids- has been created.

Thanks to this program, young generations of students are involved in geoscience topics in order to bring up a more eco-aware generation in the future. Particularly, in Italy, we do need new didactic tools to bring kids into science. As part of the classic science program, often teachers do not have time to discuss about the current facts related to our planet and often students do not receive any type of "contact" with the daily scientific events from the school.

This program is aimed to introduce small kids, from kindergarten to primary school, to Earth related issues. The key for the educational success is to give children the possibility to get involved in recent scientific information and to plunge into science topics. The connection with up to date scientific research or even just scientific news allows us to use media as a reinforcing tool, and provides a strong link to everyday life.

In particular, the first project developed within the GIFK program deals with the amazing recent Sentinel missions performed by ESA (European Space Agency), related to the observation of the Earth from space. The main aim of this project is to discuss about environmental and exploitation problems that the Earth is facing, using satellite images in order to observe direct changes to the Earth surface overtime. Pupils are led to notice and understand how close the relation between daily life and planet Earth is and how important our behavior is even in small acts. Observing the Earth from space and in the Solar System context will give the students the awareness of how the life-balance of our planet is in serious danger now.