

## ***Environmental Impact Assessment from Construction Activity in Greece and Cyprus***

Construction projects impact on their environment directly or indirectly throughout their entire lifecycle, as well as throughout the lifecycle of the materials and components used to construct them via a series of interconnected human activities and natural processes. These impacts can be local, such as the generation of construction waste, or global, such as climate change, and can be caused by the operation of the project, as well as by the processes through which the materials used are extracted, beneficiated, transported and finally destroyed after the project has reached its useful life.

In the framework of the project, an environmental impact assessment was conducted for the construction activity in Greece and Cyprus. The construction categories that were examined, in terms of the environmental impact assessment, for the two countries were residential, office, hotel and industrial buildings, since these appeared to be the categories dominating in the private sector, and the construction of roads, which is the most representative public activity.

The environmental parameters taken into account were:

- consumption of building materials (type of materials and quantities)
- energy consumption during construction. The water consumption during construction phase was not examined, mainly due to the lack of literature data.
- Waste generation
- Energy consumption from the use of the new buildings
- Air emissions