

ASPECTS REGARDING ENVIRONMENTAL POLLUTION IN TOURIST AREAS

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Abstract: Pollution in Romania is a major problem, as large quantities of waste, such as cartons, plastic bottles, aluminum boxes and other wastes, can be observed in all visited areas. All these trash can be collected and then recycled. Tourists have to enjoy their landscapes and vacation but they do not have to pollute the environment.

Key words: pollution, tourism, environment,

INTRODUCTION

Due to overgrowth, the environment has been assaulted by solid, liquid and gaseous wastes, but as well as radioactive, produced by nuclear processes.

Tourism is one of the sectors that will be affected by the global warming, but it is in the same time as well as one of the sectors which produces the increasing of gas emissions, through the increase of airplane travels, due to the use of air conditioning in the tourist units, as well as many other uncontrollable actions of all of the tourists.

The CEO of The World Organization of Tourism has recognized that tourism is one of the factors which determines the changes of the climate.[6]

MATERIALS AND METHODS

In this paper, the authors present a point of view on pollution and sources of pollution produced by tourism. To do this, they used as a research method: observation and documented from various publications in the literature, sources that were mentioned in the bibliography section.

RESEARCH RESULTS

From the first chart it can be seen that the practice of tourism has both positive and negative effects.

Table 1

Effects of tourism products

Positive effects	Negative effects
<ul style="list-style-type: none"> - The development of new jobs - Avoidance of migration of the young population - The development of the tourist units 	<ul style="list-style-type: none"> - The degradation of the natural environment - Pollution of soil - Pollution of water - Pollution of air - Noise pollution

In Romania there are being practiced several types of tourism, as it can be noted in the first figure.

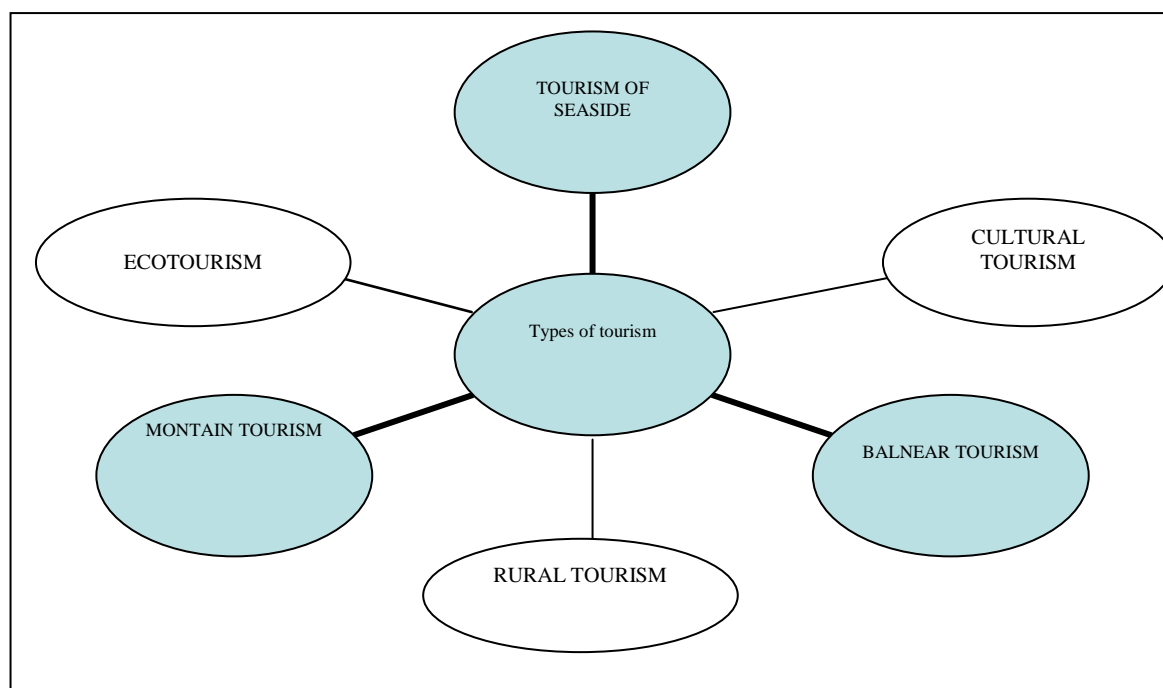


Figure 1. Types of tourism

If we analyze the ecotourism in the Romania, it is showed from the specialty literature [7] that there are 12 national parks, whose surface is of 306,989 ha, 14 natural parks that have a surface of 772,128 ha, and the Danube Delta Biosphere Reserve (576,216 ha), but also plenty of scientific Reservations, as well as natural monuments.

No matter the tourism type that is preferred by tourists, the environment will be affected.

From our survey, but also from the specialty literature [8],[9] we have noticed that the hospitality industry produces many wastes, either by using the resourcesm or thru the employees of the tourist units.

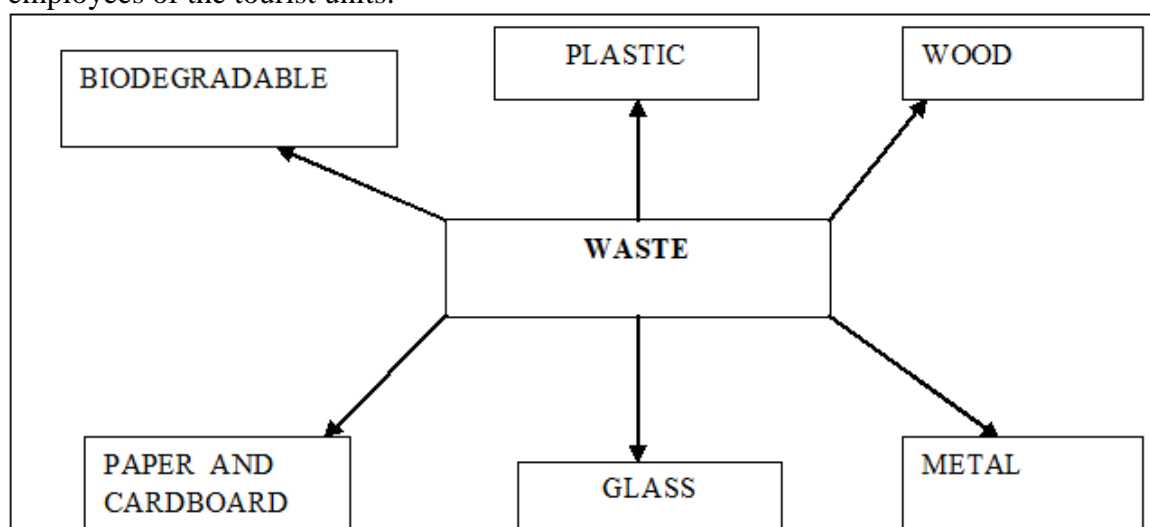


Figure 2. The waste composition

From the analyzed sources, it has been noticed that until 2020 Romania has to recycle 60% of the wastes that have been produced. Our country is situated on the last places concerning recycling (5%), but it is among the first places regarding the municipal

wastes thrown at the garbage pit (82%). In some countries, as only 1% of the municipal wastes end up at the garbage pit, the rest of them being recycled.[10],[13],[15],[14]

In the chart number 2, we have described the types and sources of pollution that are affecting the environment.

Table 2

Types of pollution	
The air pollution	Gases and vapors: CO ₂ , CO, NO ₂ NH ₃ , CH ₄ , CFC,
	Noise: Road and air transport, Construction, Industry,
Water pollution	Pesticides, fertilizers, oil and oil products, acid rain, household waste.
Soil pollution	Insecticides, fungicides, herbicides, nitrogen-based.

From this study we have observed that because of the tourist activities development, the environment is being polluted by large quantities of wastes, which are increasing from year to year. There are many waste that affects our health [3],[4],[11]

There are plenty materials in the specialized literature [1],[2],[5],[12] that approaches a theme like this.

From chart number 3 it can be seen that there are different types of wastes:

Table 3

Waste classification	
Non-hazardous waste	Waste paper - cardboard boxes - wrapping paper, - newspapers, magazines
	Plastic waste Packaging waste from various products, supplies of foil, PET plastic containers.
	Scrap metal food and beverage packaging
Dangerous waste	mineral oil detergents, batteries and accumulators; lamps; printer cartridges and toners etc.).
Waste electrical and electronic equipment	office equipment were damaged electrical and electronic products must be returned by consumers
Household waste	from activities such as cleaning and maintenance.

CONCLUSIONS

Many areas from Romania are appreciated by tourists for the diversity of their landscape, but they are affected by the development of the society, but also by the people's indifference.

Analyzing the appearance of the visited areas, we have noticed that many tourist routes are covered by large quantities of wastes.

Among the main wastes that are affecting the appearance of tourist areas are: plastic bottles, paper, cartons and doses of aluminum.

Tourists must understand that their throwed wastes are polluting the environment.

Most of the wastes can be recycled, but in order for that to happen it is very important to educate the tourists and to involve the local authorities.

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