WATER
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ESSENTIAL RESOURCE FOR THE FUTURE OF MANKIND

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Abstract. Water is associated with life, life that has emerged in the water that gradually has diversified. In this paper are presented the water resources available on Earth and how they are used in industry, in agriculture and in the household consumption. At the same time it draws attention to the fact that water resources decrease dangerously, in the recent times. There are affected all surface water and groundwater resources. Finally, it is analysed the situation of water resources of our country. The estimates made by experts show that Romania in the near future will have no special problems.

Keywords: Water, Consumption, Resources, Life, Climate changes, Earth.

Life appeared in the water, in the planetary Ocean, billions of years ago, formed the first primitive unicellular life forms, that pulled through the bad weather and it was huge, diversified and later conquering the land. Because water is associated with life, because it is not produced by us, it's finding itself free in nature and because we humans have wasted it and throw it away even now - sometimes- wrongly, in particular water, sweet water, up to this day, raise special problems of great complexity for the future of HSS (Human-Social System).

Let us not forget one thing learned from historians, namely: all the great civilizations of the world have emerged and have developed near important water courses, such us the Babylonian civilization in the vicinity of the River Tigris and Euphrates, Chinese civilization along the Yangtze and Hnang-Ho, Egyptian civilization along the Nile River and numerous other civilizations known all over the world throughout history, as academician Christian Hera points out in a recent monographic work, published in 2013.

Table 1   The allocation of the water resoureces (from Mâşu, 2011)

Type of storage	Localization	Volum (m³)	% of the total	Renewal times
Surface	- sweet lakes - salt lakes and inner seas	$1,3 \times 10^{14}$ $1,0 \times 10^{14}$	0,006 0,008	3 month 17 years
	- running water	$1,3 \times 10^{12}$	0,01	16 days