

THE IMPORTANCE OF KNOWLEDGE OF THE GEOLOGICAL ENVIRONMENT WHEN DESIGNING SPATIAL – PLANNING DOCUMENTS

Neđo Đurić¹, Ivan Stevović², Dijana Đurić³,

¹Technical Institute Bijeljina, Republika of Srpska, B&H

²Innovation Center of the Faculty of Mechanical Engineering in Belgrade, Serbia

³Faculty of Civil Engineering, Subotica, University of Novi Sad, Serbia

Abstract: Terrain as a geological environment is an important factor in the creation of spatial planning documentation. It is observed on the surface of the terrain from the aspect of geomorphological formation as well as directly below the surface of the terrain from the aspect of its geological structure.

All plans, which can be strategic or executive documents, of a higher or lower order, are based on the natural environment. The geological environment, as a working and living environment and as a medium of geological resources, represents one of the basic criteria for quality use, that is, planning and reserving space for the realization of the contents outlined in the plan.

Deficiencies related to the geological environment that arise during the development or realization of the plan leave permanent or temporary devastation of the environment, and often also the endangerment of buildings either as a result of geological or modern engineering geological processes.

Keywords: geological environment, geological resources, engineering geological and hydrogeological characteristics, spatial planning documents, land use, working environment, living environment.