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CLIMATE AND NATURAL DISASTERS VULNERABILITY AND RESILIENCE: HAVE WE FORGOTTEN OR OMITTED SOMETHING?

Summary:

Each country in the world is subject to natural hazards such as earthquakes, flooding, landslides, snowfall, drought. The frequency and magnitude of these events are projected to increase as a result of climate change, making infrastructure damage and travel disruption more likely and ultimately affecting the countries' economic activities and development. In recent years, it has become very common to conduct analyzes and studies related to this problem resulting in certain assessments, strategies and technical solutions. On the other hand, engineers of technical profession, primarily engineering-geology, geotechnical and civil engineers, are studying methods for designing, accommodating and protecting the infrastructure in accordance with certain phenomena that can occur in a natural environment. The paper discusses the issue of vulnerability and resilience of traffic infrastructure and remind the profession on the geotechnical issues and measures that it tends to forget or omit at both strategic or implementation levels.

Key words:

vulnerability, risk, hazard, resilience, protection

POVREDLJIVOST I OTPORNOST NA KLIMATSKE PROMENE I PRIRODNE KATASTROFE: DA LI SMO NEŠTO ZABORAVILI ILI IZOSTAVILI?

Sažetak:

Svaka zemlja u svijetu je podložna prirodnim opasnostima poput zemljotresa, poplava, klizišta, snježnih padavina, suša. Predviđa se da će se učestalost i jačina ovih događaja povećavati kao posljedica klimatskih promjena, što bi češće dovodilo do oštećenja infrastrukture i poremećaja u putovanjima i na kraju uticalo na privredne aktivnosti i razvoj zemalja. Sprovedenje analiza i studija vezanih za ovaj problem je posljednjih godina postalo veoma često rezultirajući određenim procjenama, strategijama i tehničkim rješenjima. S druge strane, inženjeri tehničke struke, prvenstveno inženjeri iz oblasti inženjerske geologije, geotehnike i građevinarstva, proučavaju metode projektovanja, usklađivanja i zaštite infrastrukture u skladu sa određenim pojavama koje mogu nastati u prirodnom okruženju. Rad razmatra pitanje povredljivosti i otpornosti saobraćajne infrastrukture i podsjeća struku na geotehnička pitanja i mjere koje ista teži da zaboravi ili izostavi kako na strateškom, tako i na nivou primjene.

Gljučne riječi:

povredljivost, rizik, opasnost, otpornost, zaštita

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