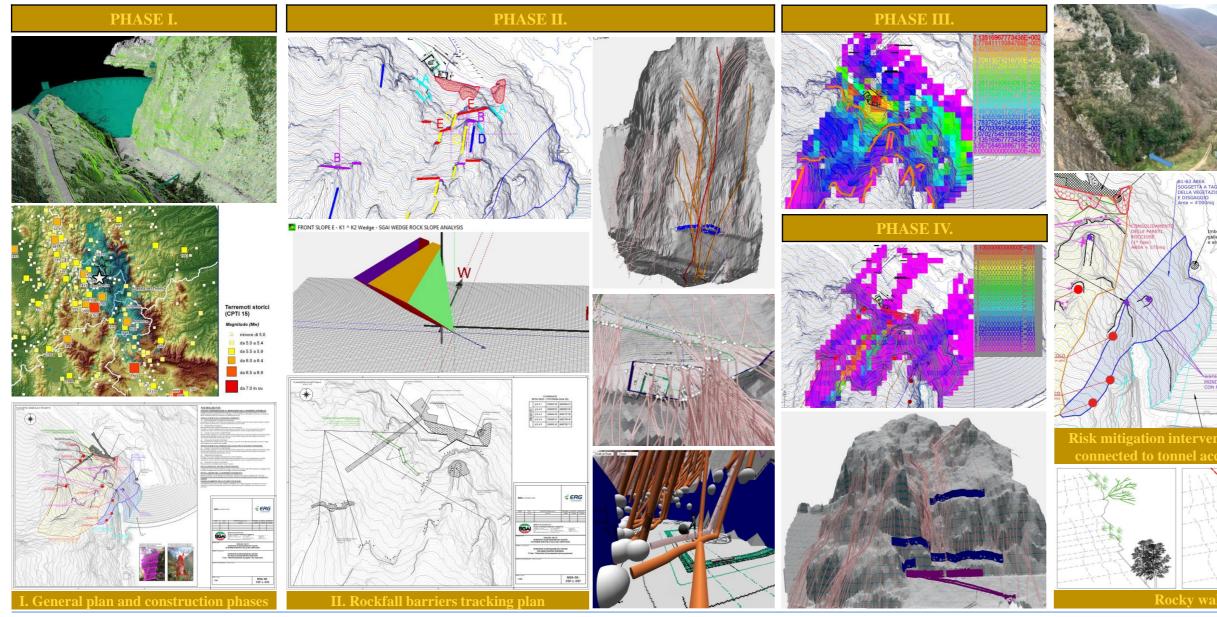
FEATURE OF TECHNICAL SERVICE		DESIGN INTRODUCTION	METHODOLOGICAL APPROACH
Subject	Salto Dam- Risk mitigation intervention on left bank downstream of the dam body.	SGAI has conducted a study of falling rocks risk and rocky slope stability above the future micro hydroelectric plant with relative accesses and mitigation interventions design .	I Phase - Fact-finding part: collection of av integrated with surveys, site and laboratory inv to create an exhaustive context for subseque
Carried out by	SGAI Srl di E. Forlani & C.		(geological, geomorphological, hydr
Client	ERG HYDRO SRL	hydroelectric plant which intends to enhance the release waters of the Minimum Vital Flow downstream of the Lago del Salto	hydrological and seismic framework). II Phase - processing and interpretation dat
Service length	2019-2020	dam; taking the release flow of the MVF from the communication	point cloud to the reference groun
Value of works	€ 426.663,07 (S.04)	tunnel of the two reservoirs, near the underground maneuvering room located downstream of the Salto dam .	characterization of rock mass in terms of sub (rock mass physical and mechanical characteristic
Izedano Slovenial croa	Pètrella Salto Borgo San Pietro		 kinematics of possible movements, geometric blocks), for homogeneous areas. III Phase – risk estimation and mitigation courrectecks, rockfall trajectories analysis. The risk is as a combination of the probability of advoccurrence (danger), with the damage that it can

SALTO DAM

in construction phase and operational phase, the dangerous conditions concern the release of single blocks from the slopes or the release of more conspicuous masses due to instability of rocky slopes.

Phase IV - Mitigation design: defines the stabilization intervention of rocky slopes and rockfall barriers with trajectory analysis and risk reassessment.



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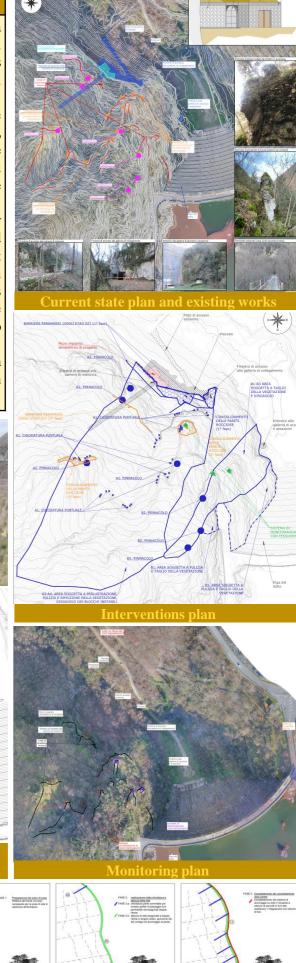


available data investigations, uent activities drogeological,

ata: from the und model, subsequent use stics: GSI, and etries of the

urse: stability k is interpreted adverse event an cause. Both





stabilization – Construction phas