Teoría y Práctica de Fotografía de Grandes Volúmenes Subterráneos con Flash Electrónico: La sala de la Verna

Josu GRANJA
C/ Músico Usandizaga, 2-4º C 48013-Bilbao (Spain)
(Grupo de Fotografía Subterránea Espeleoimagen)

In the technical complexity that subterranean photography presents, the greatest volumes state unstudied problems. The electronic flash is chosen as a clean and versatile lightin source, because of its easy distribution of the light in the underground areas by the painters flash technics. The theoretical rules of flash functioning are studied. However, the accumulative flash formula is limited: firstly, for the cavern's morphology and atmosphere; and also for the uncontrollable reflexions. The conclusion is that the photography of subterranean big volumes is possible by electronic flash. The results of this technics are presented in this paper, exposing the experience of the Subterranean Photography Group Espeleoimagen in a specific place Sala de la Verna, -one of the world's biggest underground rooms- and showing the images obtained in this place, which are the first ones taken just with electronic flash.