	NEXT-GEN GEOTECHNICAL AND HYDROGEOLOGICAL SOFTWA						
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SUPPORT •	A feature o	f SVSlope®	and SVFlux™	of (part of SVO	ffice™ 2009)		
• EATURES		5 C			U	Next Generation Gested	
IPPLICATIONS •							
IEWS •	June 20, 20	10					
ICADEMIC EDITIONS •	June 29, 20	010					
IYDROGEOLOGY •	Geotechnical	engineering	, as a general p	practice, has alw	ays struggled with quar	ntifying the sign	ificant amount of
IDCO TILTODIALE	equipment. I	ab testing pre	ocedures, level	of training of fi	eld personnel, or many	other such facto	ors. One particular
	problematic a	aspect of slop	e stability anal	ysis is the spati	al variability of material	properties. In p	articular, if
REGULATOR POLICY +	material prop	perties are m	easured in thre	ee spatially diffe	rent locations, the resul	t is three differe	ent shear strength
Follow In Share	A common q particularly v context of a	uestion whic veak materia classic slope	h may be aske Is might not ca stability analys	d by clients of g use a failure?" is.	eotechnical firms is "Ho This particular question	w do you know is difficult to an	that a grouping of swer within the
Select Language 🔹	The use of ra	indomly gene	erated fields of	soil material pa	rameters based on aver	age and standar	d deviations of
Powered by Google Translate	cohesion, frid done by Prof The ability to	tion angle, o essols Fentor generato ra	r other such a n and Griffiths ndom fields of	arameters holds has focused on material propert	promise for the evalua this aspect of modeling ties within regions of the	tion of this type over the past n e numerical mo	of scenario. Work umber of years. del has been
Consolidation and	fields within	any given re	gion based on a	sistance. This te an average and	a standard deviation for	ethodology for g any given soil (jenerating random parameter.
Tailings Capacity Estimations and Cover Design March 10, 2015, Perth, Western Anstralia	The application of such a technology to let tailings and common facilities may be seen in figure below. The friction angle of tailings is represented by an average and a standard deviation. A random field of friction angle values is then generated for the tailings region. The density of the random field grid may be varied in the software.						
2D/3D Seepage and Slope Stability Analysis April 1-2, 2015, Saskatoon, SK, Canada	The random method. For This allows c	field generati example, in omprehensiv	ion may be use SVSlope®, the e probabilistic a	ed in conjunction random fields c analysis of a par	n with either a determin can be generated for eac ticular site with the spa	nistic or a proba ch trial in a Mon tial variability in	bilistic analysis te Carlo analysis. cluded in the
Two and Three Dimensional Slope Stability Analysis of Mining Facilities	anaiysis. This	s advanced a	bility is unique	to SVSlope® ar	ia Svhux''',		
April 15-17, 2015, Lima, Peru		14.0					
Groundwater Modelling for		12.0					
Mining May 28-29, 2015.		E 10.0		No. of Stationers			
vancouver, BC, Canada		-					
IECEE 2015 - International		0.0 T					
Foundations Congress and		6.0			et the second se		
Equipment Expo 2015 March 17-21, 2015, San		40	and y				
Antonio, TX, USA				Ser A			
Acid Rock Drainage		20	e e e e e e e e e e e e e e e e e e e				
Chile		0.0	5.0	10.0	15.0 20.0 K (m)	25.0 30.0	
Mine Closure 2015 - 10th International Conference on Mine Closure			Using rand	om fields to a	ccount for spatial var	iability	