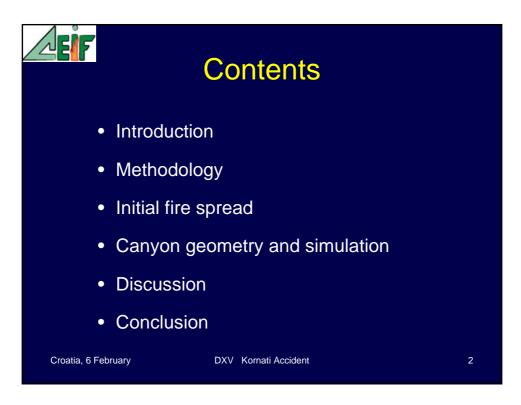
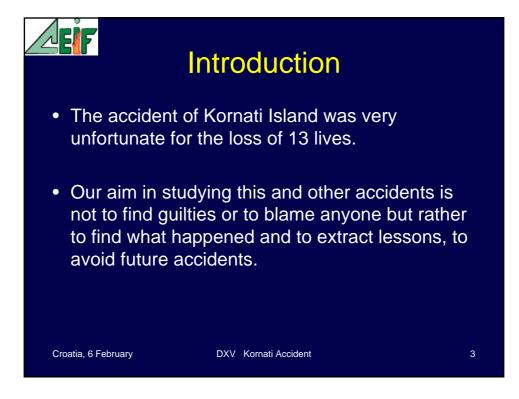


The Kornati Island Accident A Preliminary Analysis

by D. X. Viegas, L. Ribeiro, L. Pita and C. Rossa

ADAI, Department of Mechanical Engineering University of Coimbra, Portugal







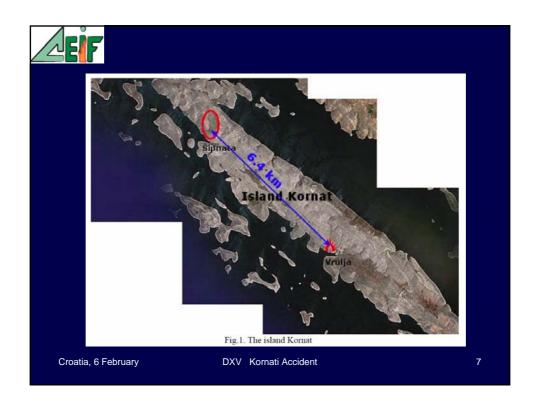
- We had access to some data that was provided to us by Dr. Darko Stipanichev and his team. Part of this material was in Croatian language and also the time that we had available to analyse this case was not enough.
- Therefore only a preliminary analysis shall be presented here. This work is open to debate and to be improved by further data and research.

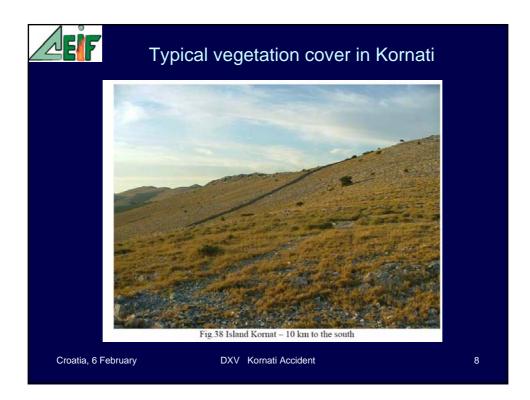
Croatia, 6 February

DXV Kornati Accident

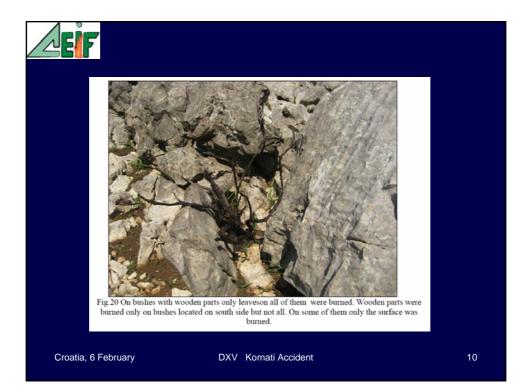














- Most vegetation can be considered as herbaceous with some mixture of small shrubs, with discontinuities due to rocks.
- Dr.Darko and his Group estimated an average fuel load value of Mc=0.6 kg/m2.



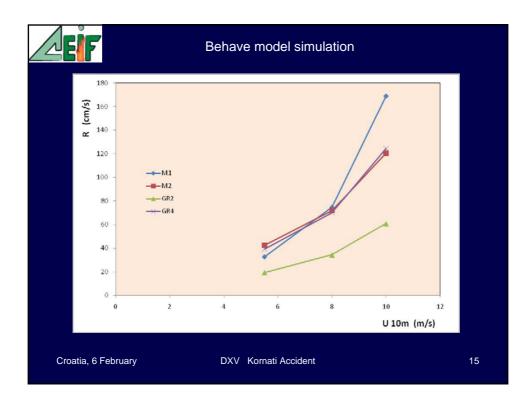
DXV Kornati Accident

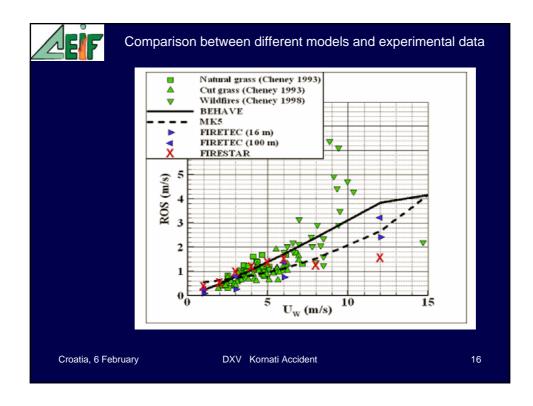
11

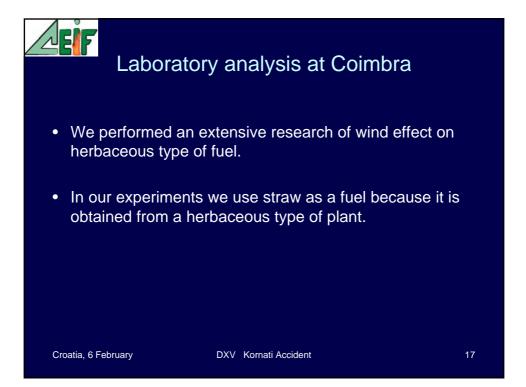


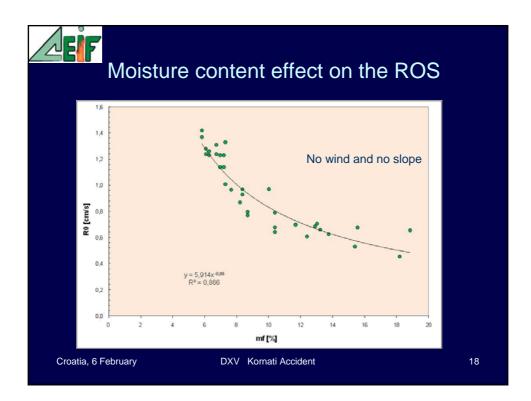




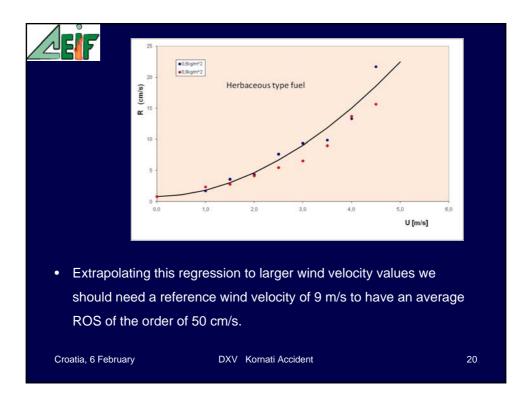


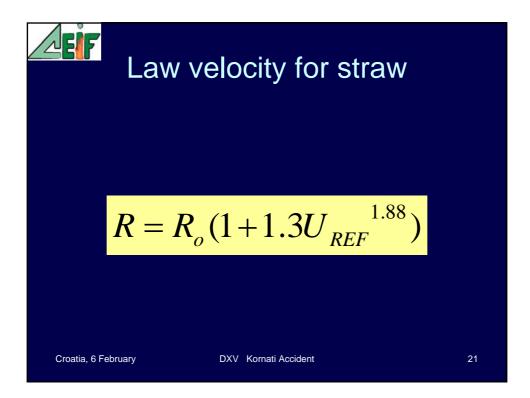


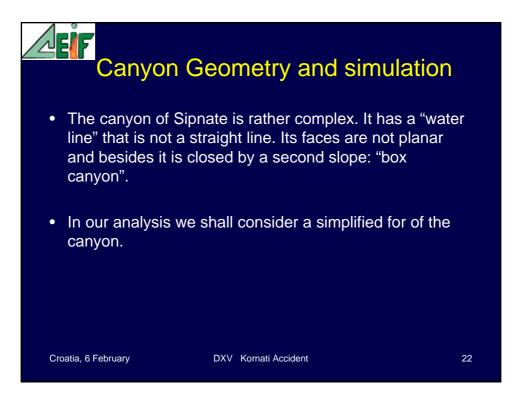


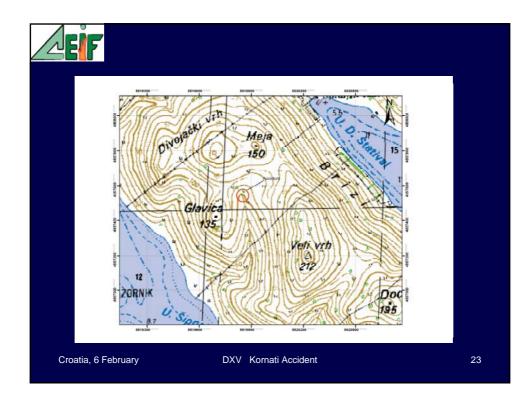


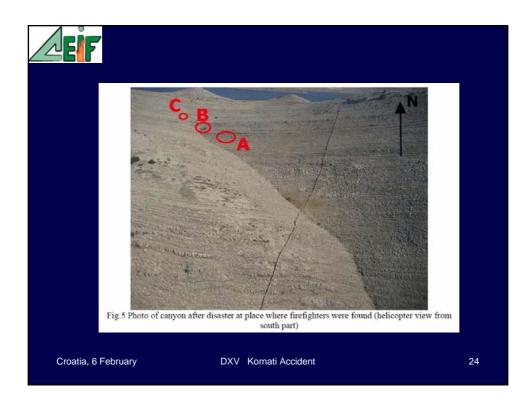




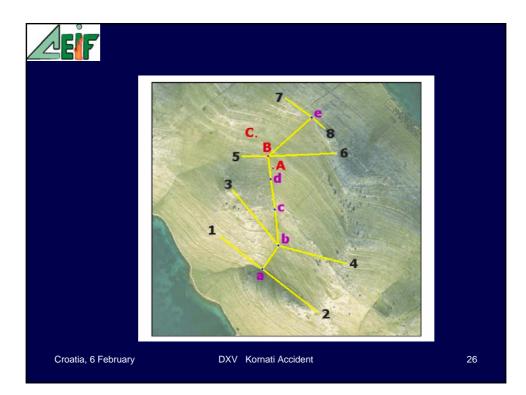


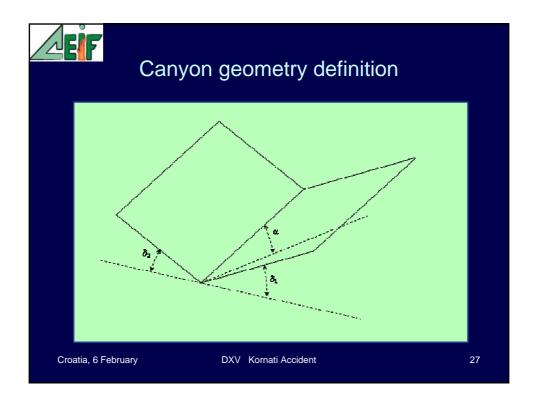


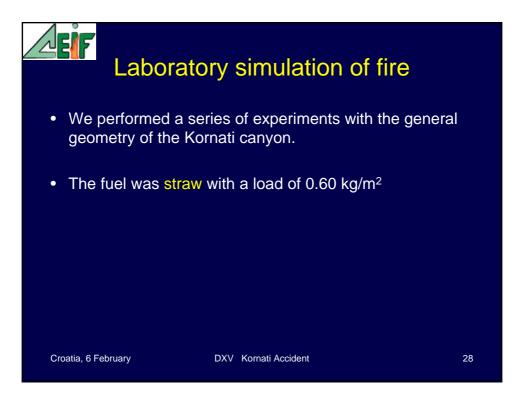


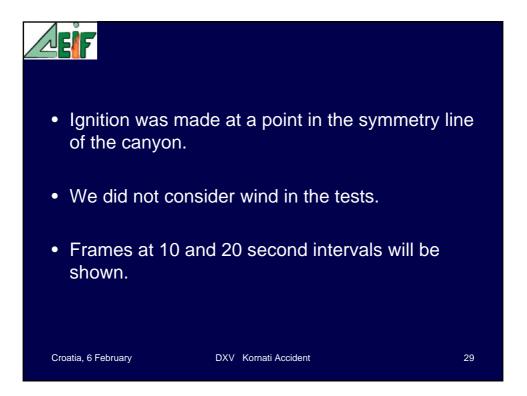












Profile 1• Tests in the small table					
	Profile 1 2 3	α 7.2	δ1 7.9 15.9 22.7	δ2 8 11.3 9.5	
Croatia, 6 Februa	ry	DXV Kor	nati Accident		30









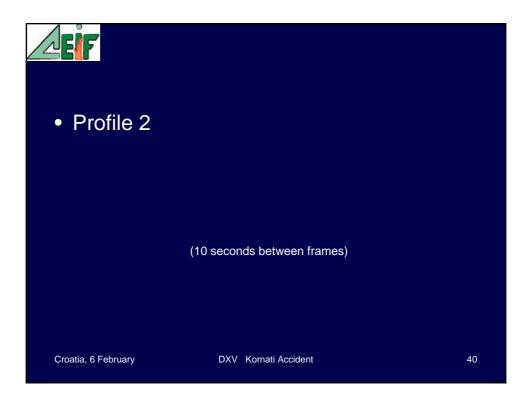
















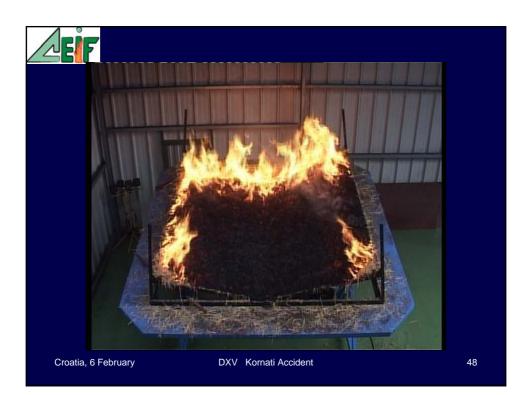






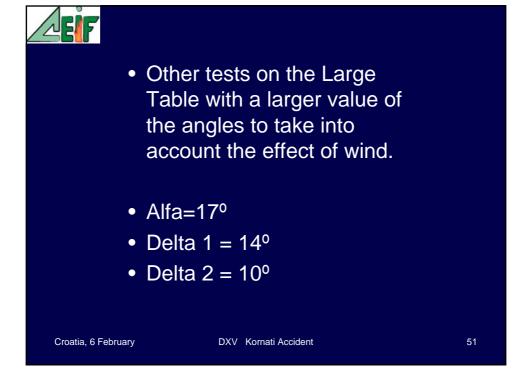


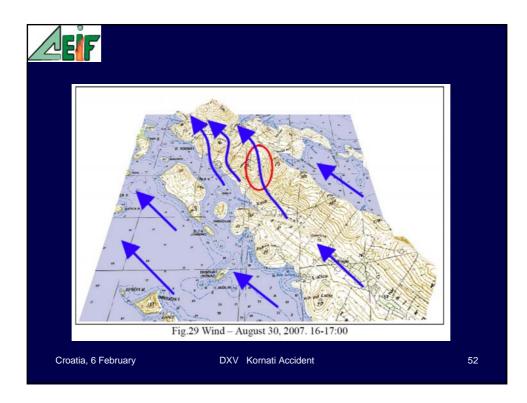












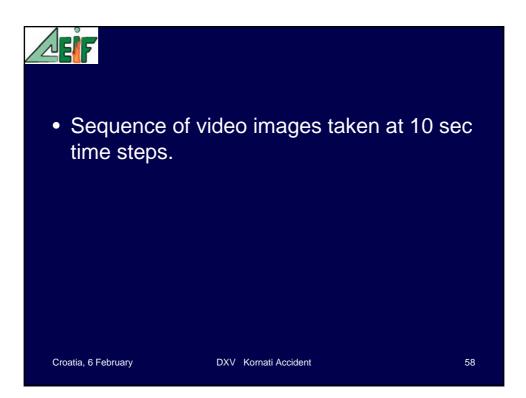
















































































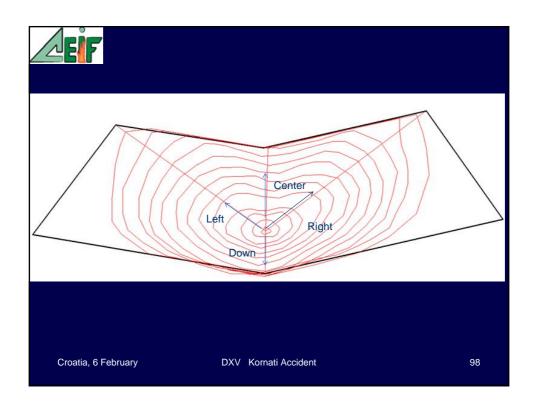


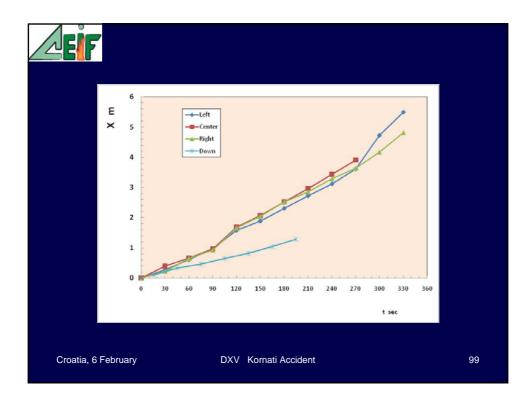


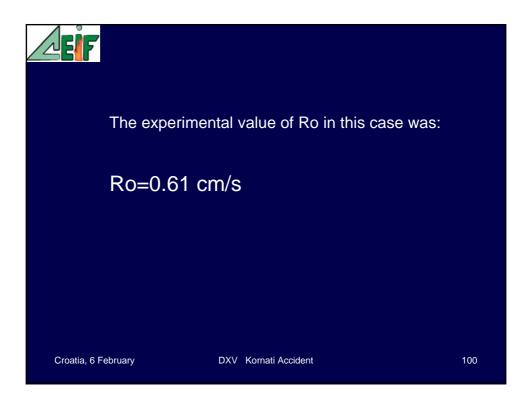


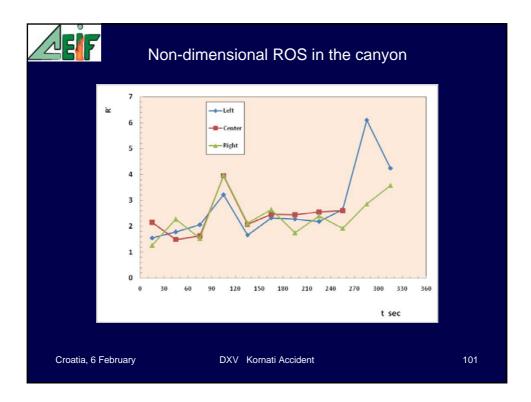


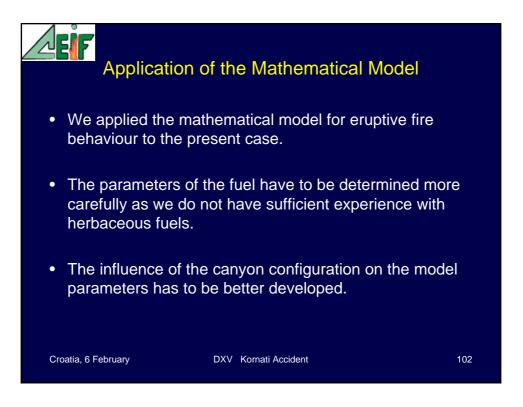


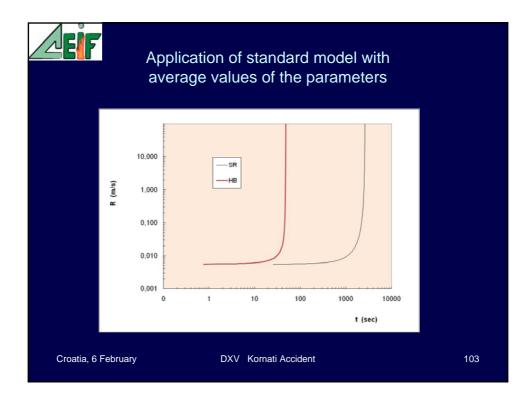


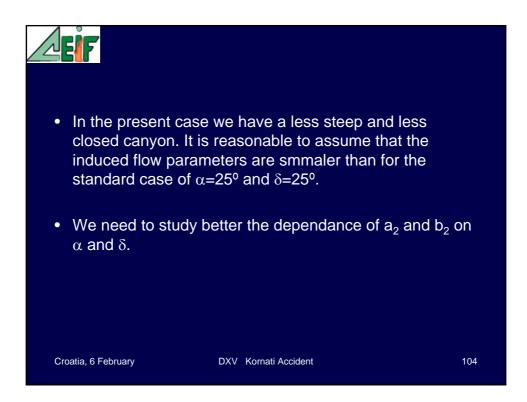




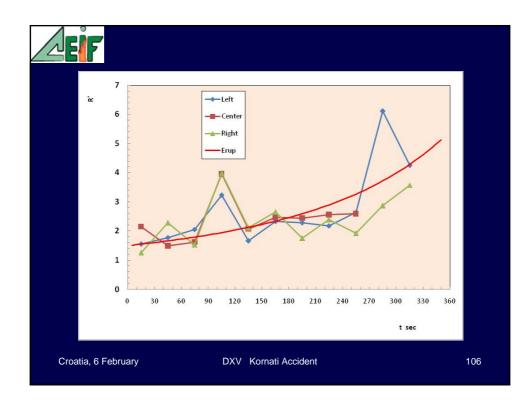


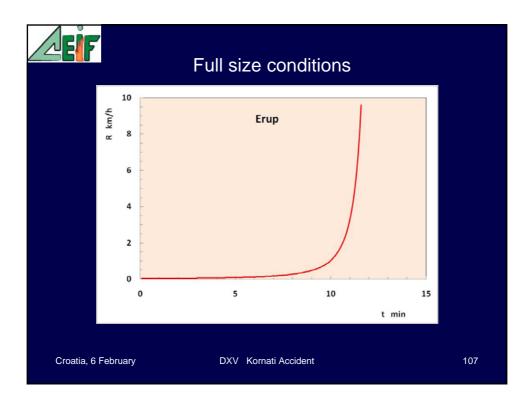


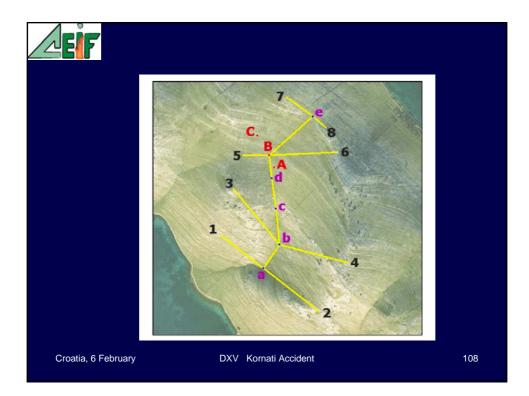


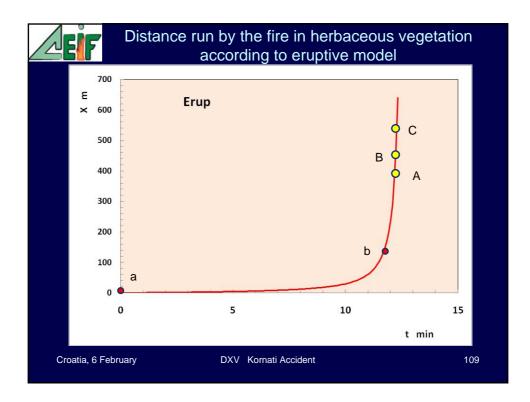


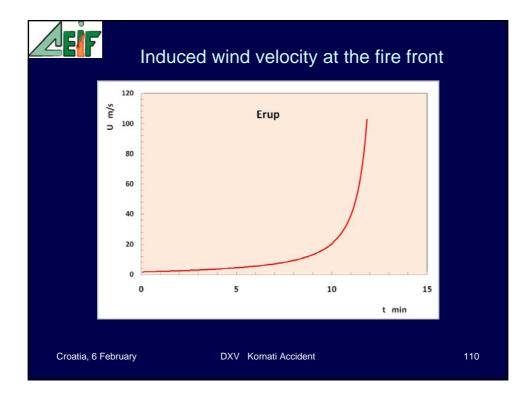
Test of the	e Eruptive Fire Behaviour Model					
Model parameters:						
a' ₁ =0.2	These values were measured in the wind tunnel or this particular fuel					
b ₁ =1.8						
a' ₁ =0.2	Adapted to take into account the geometry of the canyon					
b ₂ =1.0						
t _o =50 sec						
Croatia, 6 February	DXV Kornati Accident	105				











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1.		-
	Ľ	2
	-	

Tra	vel dis	tance	s anc	l time	s on	the te	errain
	_	Distance	Bevation	Travel time (min)			
From	n: To:			Ve	elocity (km/	'h)	
		m	m	2	4	6	
а	b	131	20	3,9	2,0	1,3	
b	С	163	26	4,9	2,4	1,6	
с	d	137	19	4,1	2,1	1,4	
d	В	103	12	3,1	1,5	1,0	
а	В	534	77	16,0	8,0	5,3	
Croatia, 6 Febru	ary	DX\	/ Kornati A	ccident			111

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