



























Collaborative modelling in flood risk management Cranbrook catchment, London Borough of Redbridge, United Kingdom							
		KEHOLDERS COLLABORATIVE MODELLING					
Discussion Forum: <u>Click here</u> to visit the online discussion forum. In this forum you can provide your comments about different topics and you can also thare and discuss alternatives for flood risk management with other participants.	Feedback: Your filedback is very important to us. It will help us to improve this platform and make the best out of it. <u>Click here</u> to provide your comments. Thanks in advance for your valuable contribution!	Communication assisted by the platform					
Downloads and interesting links • First Collaborative Workshop (14th January 2011): The Imperial College London. • Click here to serve photos of this event. • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document with relevant information al • Click here to download a document information al • Click here to document information al • Cl	 Links to discussion forum and feedback forms Downloadable information about the 						
Events • Second Collaborative Workshop (Mid-March 2011): D. surface flood models for the study area will be presented as managing surface flood risk in Reddridge. Based on this, exercise will be carried out in order to porthy rack and sele managing surface flood risk and flood events in Reddridge. This workshop will take place in Mid-March 2011 at Imperial College ison be differed. [Click here to access a Google Map showing the location of Imperial [Click here to access a map of Imperial College's South Kensington i	 project Links to important events, particularly regarding the series of workshops 						



uni	universität bonn Geographie									
	Alternatives									
	 Define various alternatives (which includes a set of measures) Risk assessment Evaluation of Alternatives 									
	Alter- native	1	2	3	4	5				
	UK	Doing nothing	Rainwater harvesting	Improved and targeted maintenance regimes of the system	Improved resistance for preventing water from entering properties	Improved rainfall and flood forecasting and warning				
	D	Doing nothing	Technical measures	Management of the catchment	Prevention					





International Contraction		-11			1	Alternative
River	Hazard	_	Exposure	-		
Floodplain	Low (0.3-0.5m)	Schools	Water sports	Sports f	acilities	
Wetspot	High (>1.0m)	🗆 🍲 Fire static	n 🛛 🖉 Museum	🔽 🛱 Train st	ation	basad
		Streets by Googl	e			nasea
Please select an altern	ative	Please s	elect a measure for this al	ternative		manning f
Alternative 2: Technic	al measure 🛛 💌	Lowe	r waer level in Fuhlsbutle	Schleuse 💌		mapping it
Alternative 1: Do not	hing	zu sehen/verbergen >>>				evaluation
Alternative 3: Measur	es in the catchment		Compare on the map with Alter	native 1: Do Nothin	g	ovaluation
Alternative 4: Prevent	ive measure	the second se				
		Hybrid	Results on related f	ood protection e	effecieny	
	An a	Hybrid	Results on related f	ood protection e	effecieny	
		Hybrid	Results on related f	Measure	Do nothing	
		Bybrid	Results on related f	Measure 295.252	Do nothing 321.124	
	· · · ·	Figure 1	Results on related f	Measure	Do nothing 321.124	
	0	Hybrid Fi	Results on related f	Measure 296.252 15.799	Do nothing 321.124 17.905	
	0	Pybrid	Results on related fi looded area above 30 cm (in sqm) ber of flooded buildings Houses Companies and	Measure 296.252 15.799 15.419	Do nothing 321.124 17.905	
		Hybrid	Results on related fi looded area above 30 cm (in sqm) ber of flooded buildings Houses Companies and industries	Measure 296.252 15.799 15.419	Do nothing 321.124 17.905 15.938	
		Pybrid	Results on related fi	Measure 296.252 15.799 15.419 205.765	Do nothing 321.124 17.905 15.938 227.250	
		Pybrid	Results on related fi looded area above 30 cm (in sqm) Houses Companies and industries Important Infrastructure	Measure 296.252 15.799 15.419 205.765	Do nothing 321.124 17.905 15.938 227.250	



universität bo	Geogr	aphie				
STAKEHOLDER: Group 1 Administration Group 2 Non govername Group 3 Political bodies Group Larger busines: Group x Affected people "SWIMMING	S CROUP and authorities intal organisations companies and general public 5 POOL OF ALTERNA (Gro	Postion in t postion in t po	GOOD OT ALL GOOD PANELING OF THE ALLEBATING BARK GOUP BARK GOUP BA	score	'n: •	Atives Visualisation of the individual positions versus the group as a whole Darker blue colours represent more preferred alternatives by the whole
	٥	9 9 9 LE 9 =4.49 X	•	Rank 1 2	•	group Individual ranking of the same alternative with markers
	♥ ₽ <u>11</u> 9 -2.62 ♥	ę ²	♥ <mark>11¶-3.26</mark> ⊠	3	•	Different markers (color) for different stakeholder group Similar individual
	Y Alternative 2	Alternative 3	Alternative 4	5		rankings grouped in clusters





