

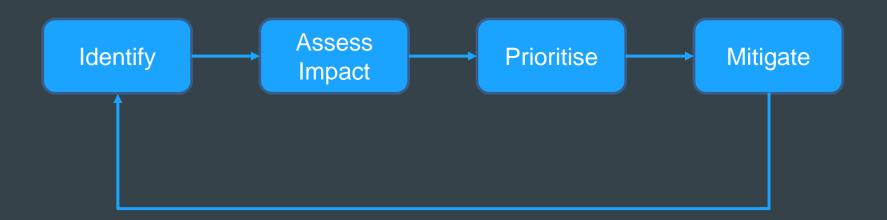
NODES & LINKS complexity made simple

Greg Lawton | CEO greg@nodeslinks.com

"[For] an intellect [who] would know all forces and all positions of all items; <u>nothing would be uncertain</u>" Pierre Simon Laplace, 1816

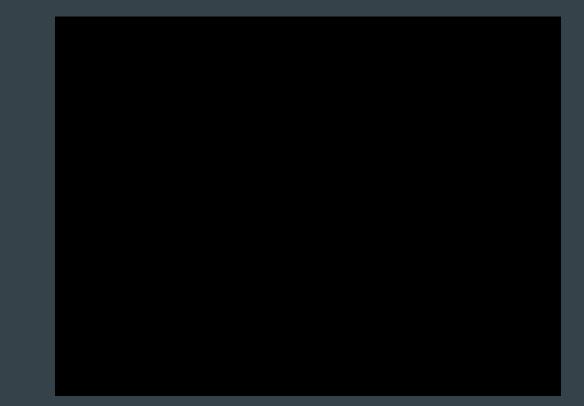


Based on this we manage risk





A simple example





A not so simple example

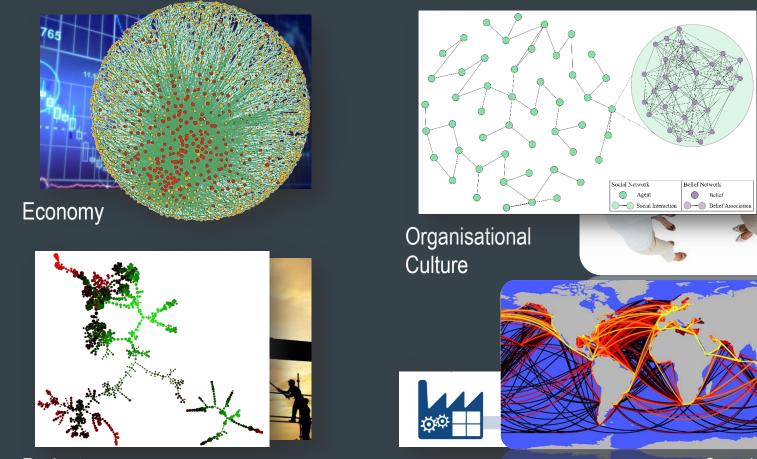


This impossibility arises from the complexity of modern systems, from supply chains and projects to entire economies.



"Networks are present <u>everywhere</u>. All we need is an eye for them" Albert-László Barabási, 2002





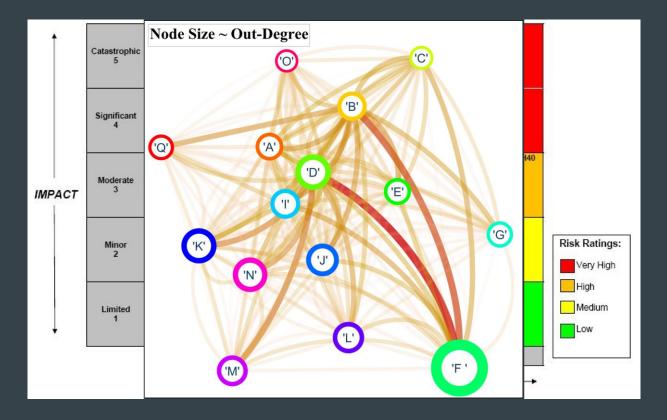
Projects



Examples where networks have supported businesses from risk to project networks.



From a risk register to a risk network

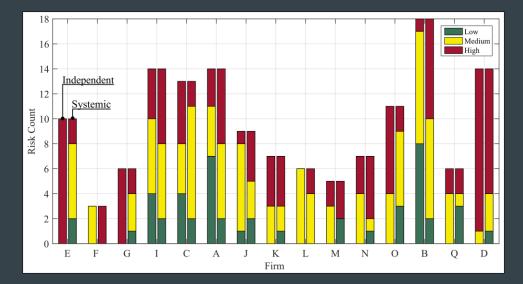




From a risk register to a risk network

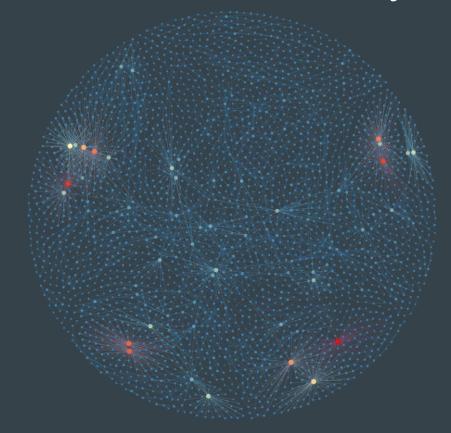
Advantages:

- Intuitive visualisation allows for more complicated data to be used
- Identify risks that may have low immediate impact but high systemic impact

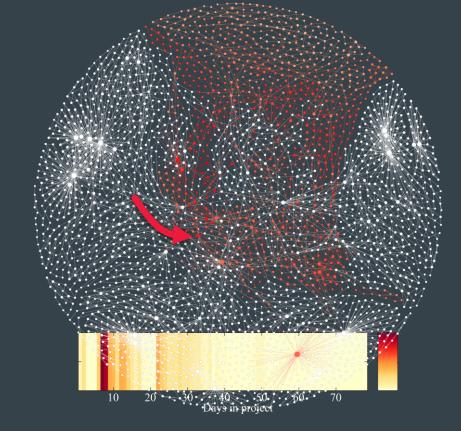




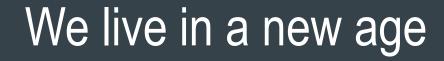
ID .		Task Name	Duration	Start	US Jun	'06 Jul '0	Aug '08	Sep '08	Cct 108	Nov '08 D	1
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1	1		55 days	Mon 5/19/0	The second se			-	1	1	
2	10	Group briefing on project details	10 days	Mon 5/19/0						1	
3		Group briefing on project grading gui		Mon 5/19/0	8		2	1		E 1	
4		Listing expectations and group rules		Mon 5/19/0	8	1					
5		Identifying members' strengths and w			8	1				1 1	
6	10	Streamlining members roles and resp		Mon 5/19/0	6						
7		Learning Java, JSP and Adobe Air	55 days	Mon 6/2/0	8	- Alt	THE REAL AND		1	1 1	
8		Project Proposal	36 days	Mon 5/19/0	8 🗢		o normalisa normany			1 1	
9	l	Creation of proposal draft	16 days	Mon 5/19/0	8 💭		84.g		1	1	
13	10	Version 2 after Supervisor Review	18 days	Tue 7/22/0	8	1	a Section of				
14	-	Review of proposal by Prof Desai	2 days	Thu 8/14/0	8		9				
15	10	Revise and finalize proposal for subr	3 days	Thu 8/14/0			55				
16	10	Midterm Proposal	1 day	Mon 10/6/0	8	Į.					
17	-	Poster	1 day?	Mon 11/10/0	8					1	
18		Inception Phase	3 days?	Mon 6/30/0	8	Charles and	REALS/ GOOD NOT		1 1	1	
19		Group A = Requirement Gathering	23 days	Mon 6/30/0	8	(januar	New York		1		
25		Group B = System Design	3 days?	Mon 6/30/0	8	Corners	Hard Hard Street				2 < 1 < 1
33		Finalizing inception phase	5 days	17/31/0	8	-	(gail)			1	
36	10	Buffer		N7/0	8	Ē	ores.				A STANDA
37		Elaboration Phase		0	8	1	(aus	Timester 1	1 1		
38	1	Use Cases		,90	8	i.	Same.	27	1		633 C (# 46
39		Gathering more requirements	o days	8/19/0	8	É	S >.		1		BESSERVICE O
40	1	Touching up Use Cases	4 days	rue 8/26/0							
41	100	Coding for Customer Module	5 days	Mon 9/1/0				b	1 1		
42	100	Coding for Procurement Module	10 days	Mon 9/1/0	8	1		-	1 1		Contraction of the
43	-	Building Database	5 days	Mon 9/1/0	6	1		6			
44		Construction Phase	34 days	Mon 9/15/0	8			ुर्वे कहाल	Calling Reserver,	1	AND
45		Testing for Customer Module	5 days	Mon 9/15/0	8	1		51			
46		Testing for Procurement Module	5 days	Mon 9/15/0	8	1	1	5 m			
47		Amendments to Development/ Chan	5 days	Mon 9/22/0	8	1		To.			
49		Changes to Development	4 days	Mon 9/29/0	6			1	2		
49		Coding for Inventory Module	15 days	Fri 10/3/0	e				60000		
50		Coding for Sales Module	15 days	Fri 10/3/0	8				100 M	1	
51	-	Coding for Production Module	15 days	Fri 10/3/0	8	1			Con antip		CARSON A
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		Task	c		Milestone	٠	Extornal Ta	ska 🖾	a state and the		• •
Project: Blink E Date: Mon 10/1		lithe Gantt Chart 1808 Split			Summary		External Mil	iestone @			
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Networks are the way we achieve Risk Management 2.0



"The challenges we face today [...] require new ways of thinking about and understanding the complex, interconnected and rapidly changing world in which we live and work" Stephen Hawking, 2000





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