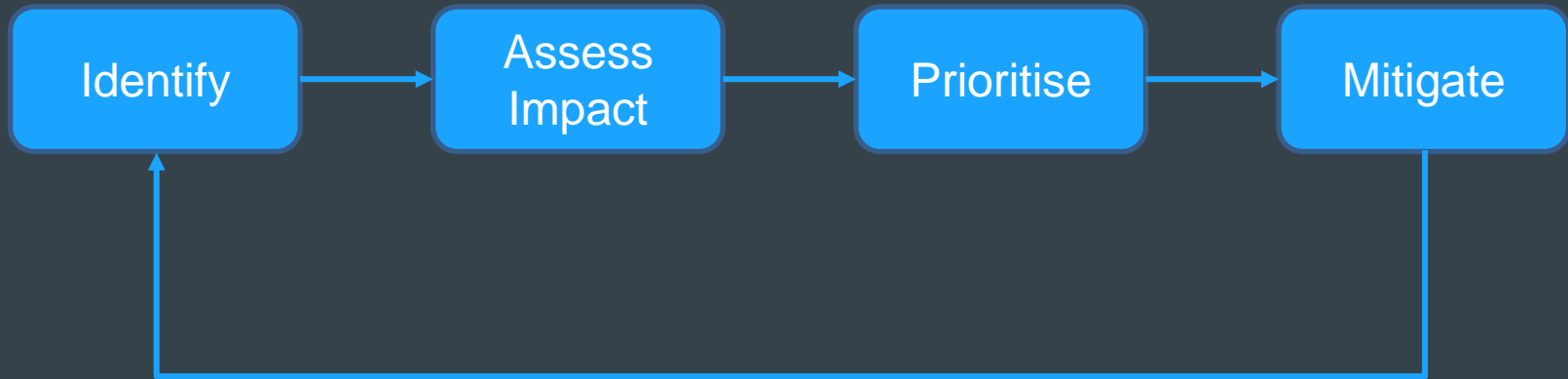# NODES & LINKS

complexity made simple

Greg Lawton | CEO
greg@nodeslinks.com

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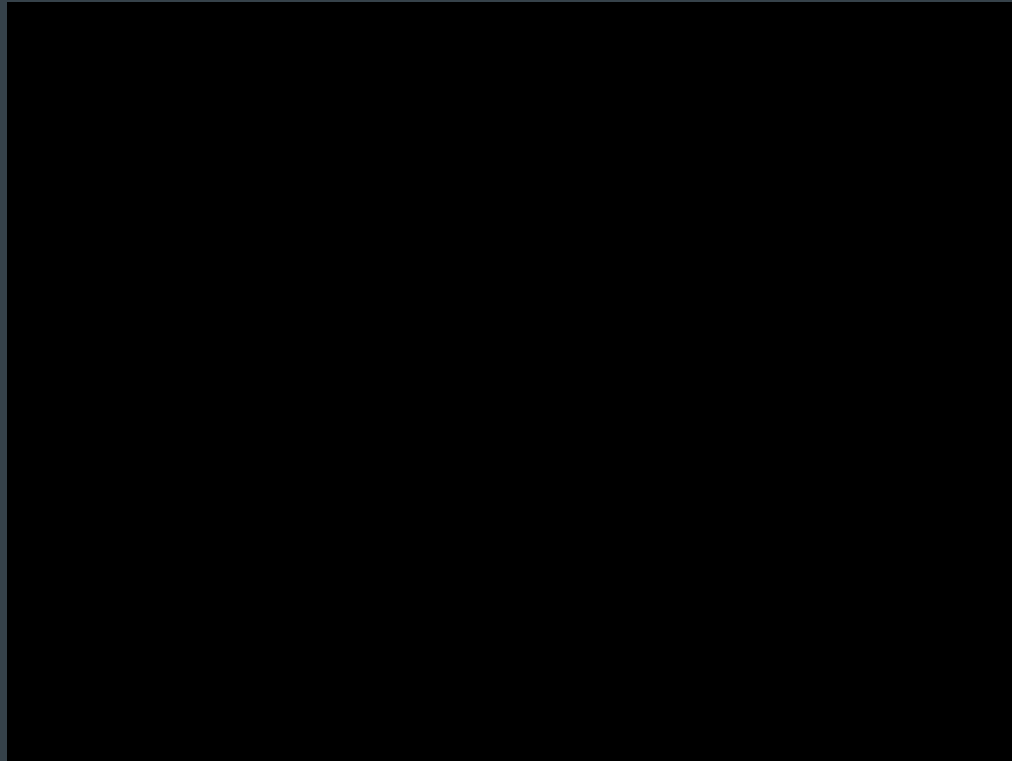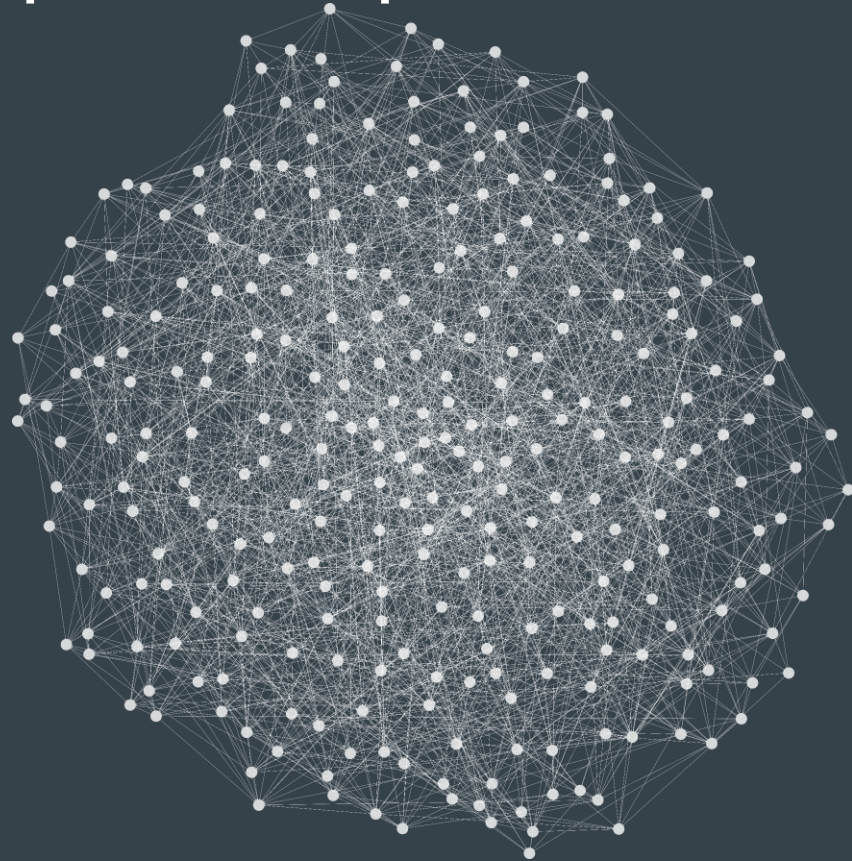
Pierre Simon Laplace, 1816

Based on this we manage risk

Identify → Assess Impact → Prioritise → Mitigate
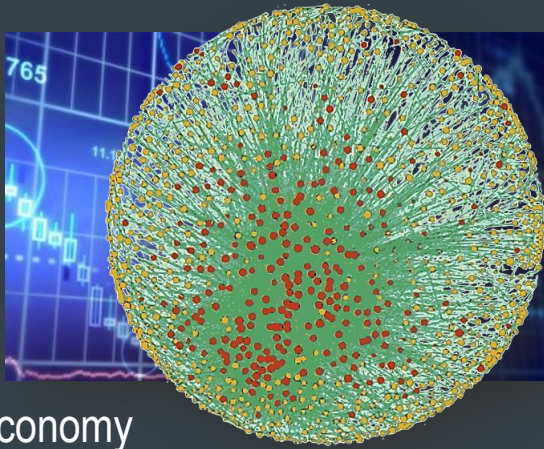
A simple example .....

A not so simple example ….

This impossibility arises from the complexity of modern systems, from supply chains and projects to entire economies.
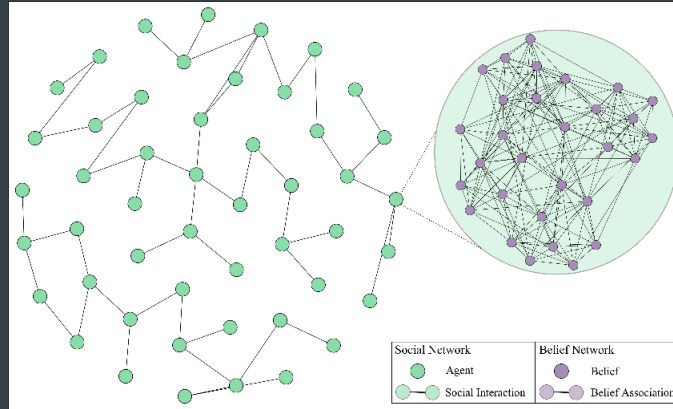
"Networks are present <u>everywhere</u>. All we need is an eye for them"
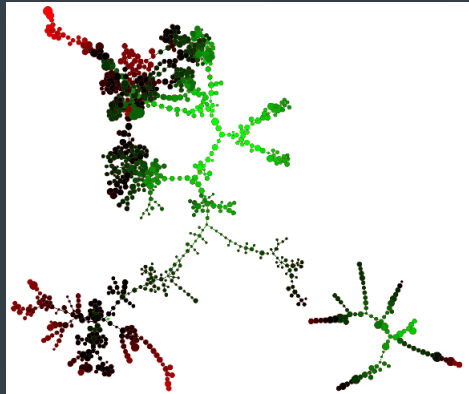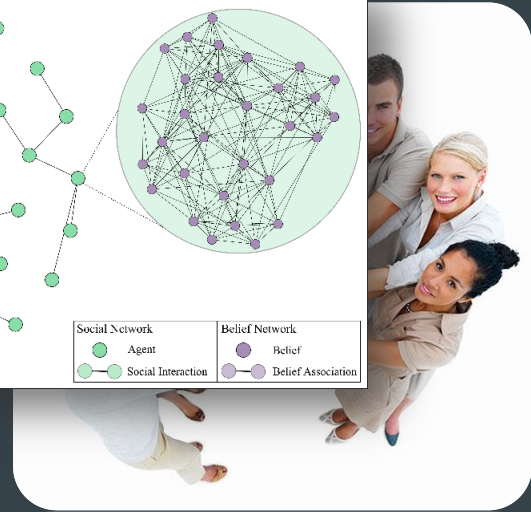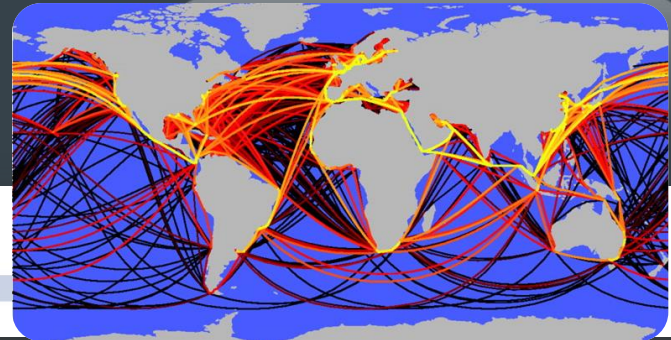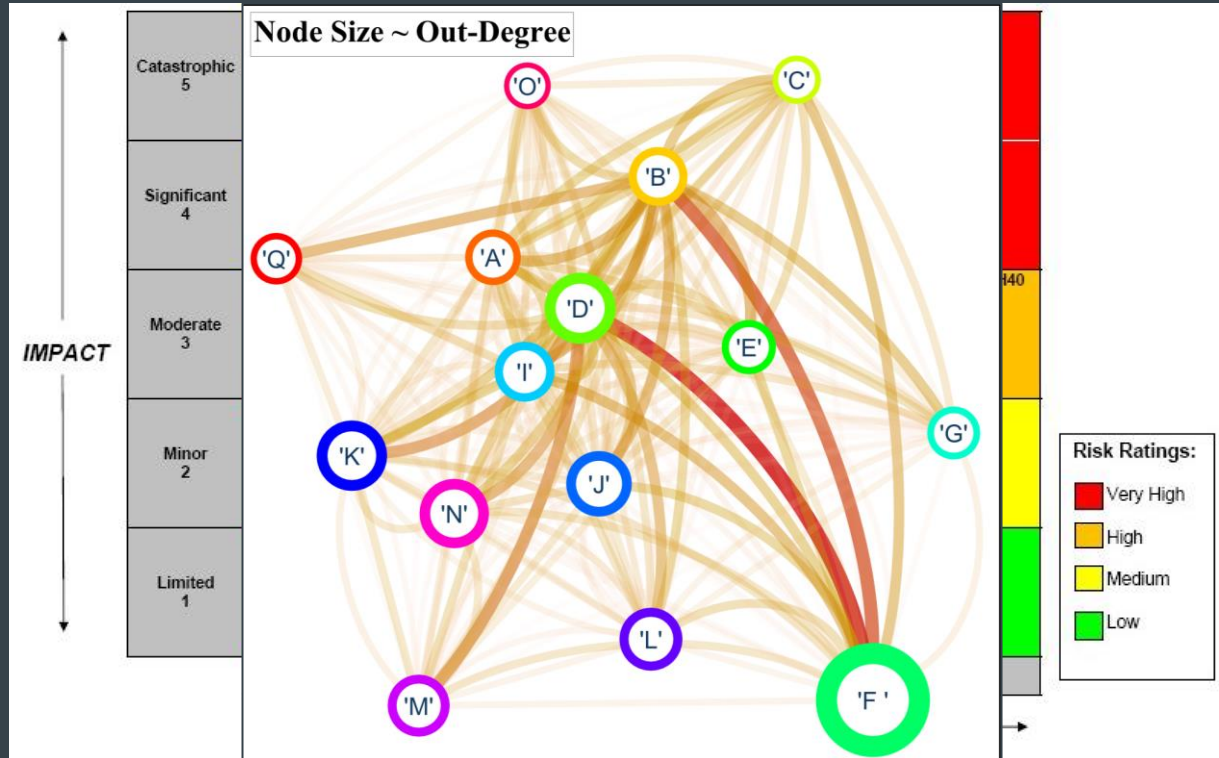Albert-László Barabási, 2002

Economy

Organisational Culture

Projects

Supply Chains

Examples where networks have supported businesses from risk to project networks.
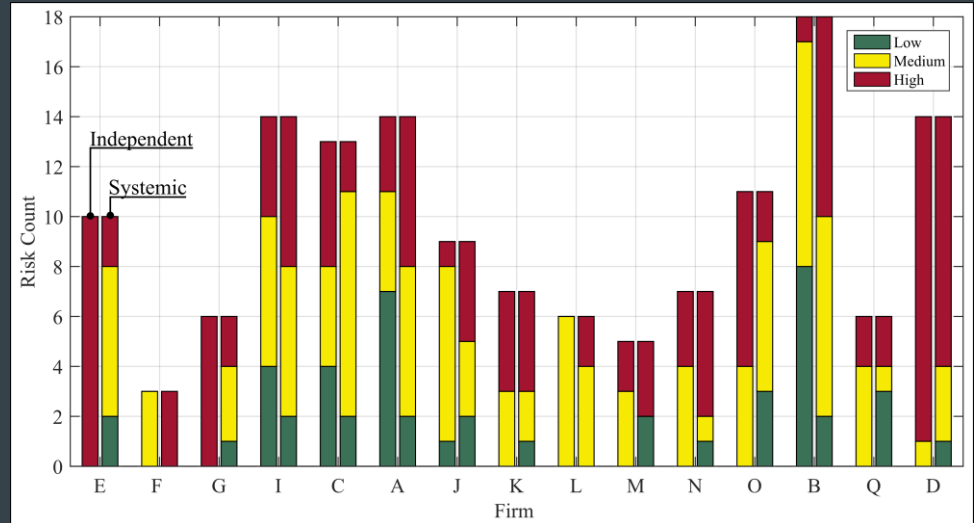
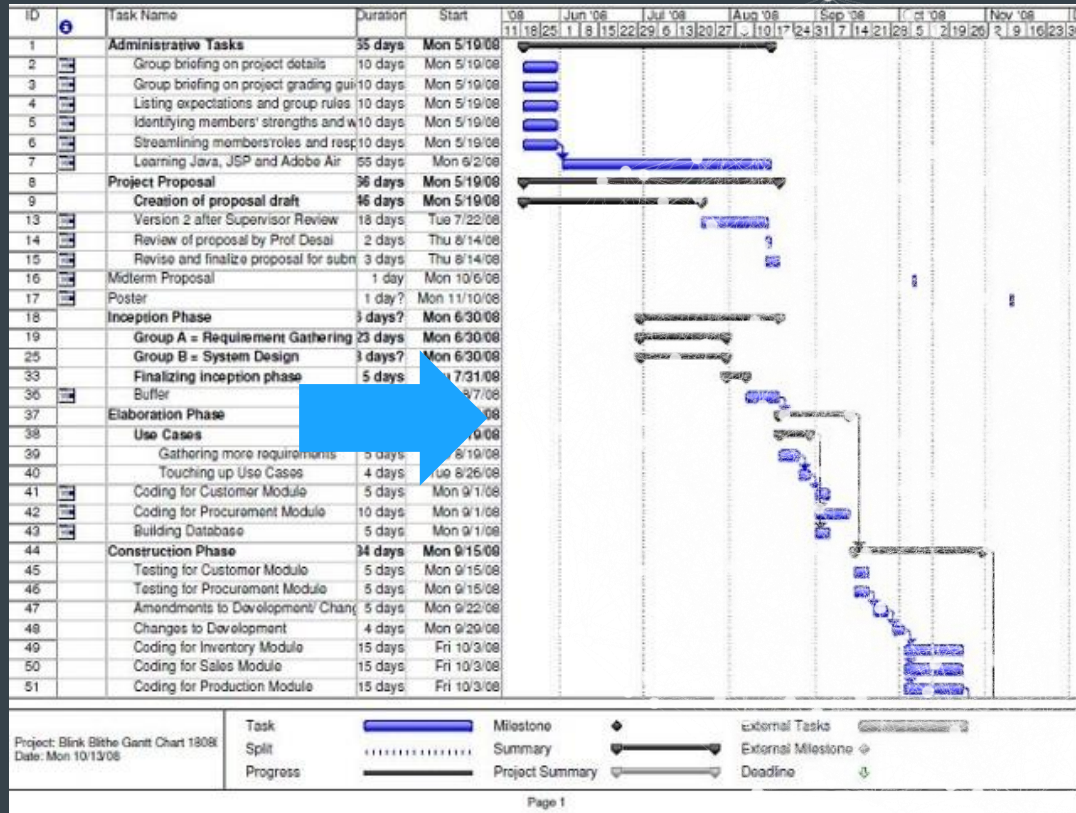# From a risk register to a risk network
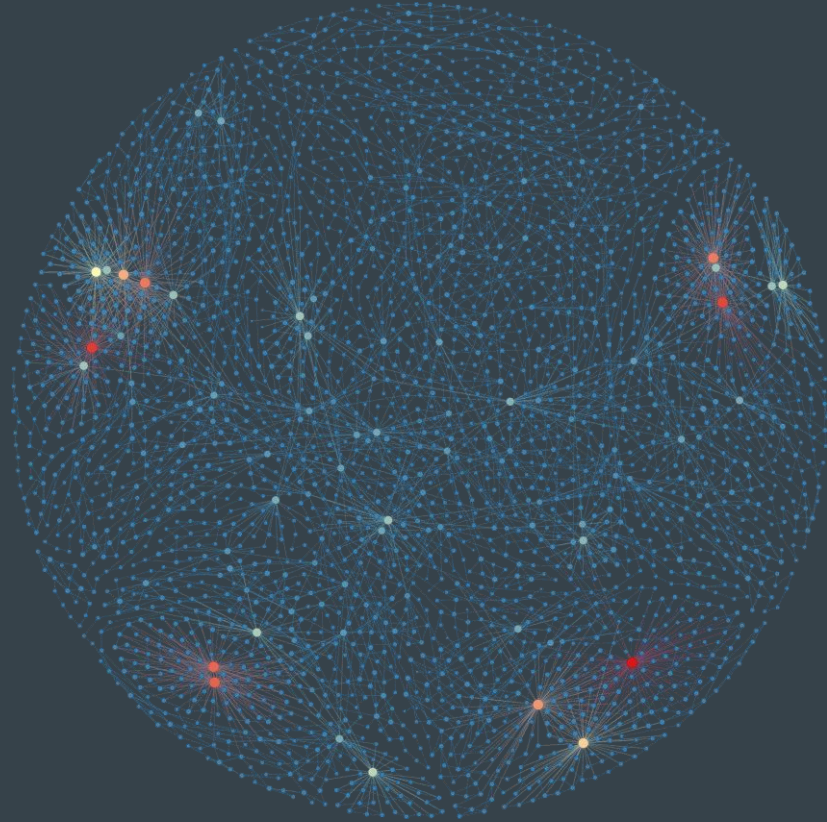
From a risk register to a risk network

Advantages:

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

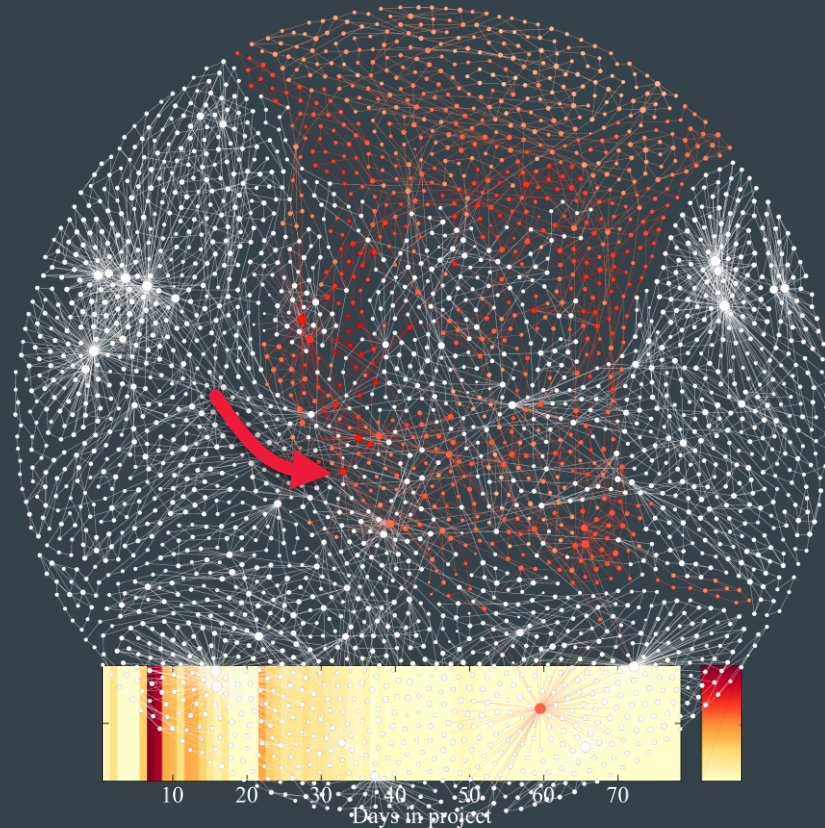# From a Gantt chart to an activity network

From a Gantt chart to an activity network

From a Gantt chart to an activity network

Days in project

We live in a new age

Globalisation

Complexity

Interconnectivity

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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From a Gantt chart to an activity network