

A close-up photograph of a hand holding a small globe of the Earth. The globe is centered on the Americas. The hand is positioned as if supporting the globe from below. The entire scene is set against a dark background and is surrounded by a bright, glowing blue aura that creates a halo effect around the hand and globe.

Why We Have A Problem Thinking About The Unthinkable

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Impaired Thinking

- “If I had predicted a year ago that Merrill Lynch and Citigroup would sink into the red and have to be bailed out by sovereign funds of the developing world, people would have wondered what I had been smoking” Lord Levene- Chairman Lloyds of London- 2008



We Have A Problem - Imagining

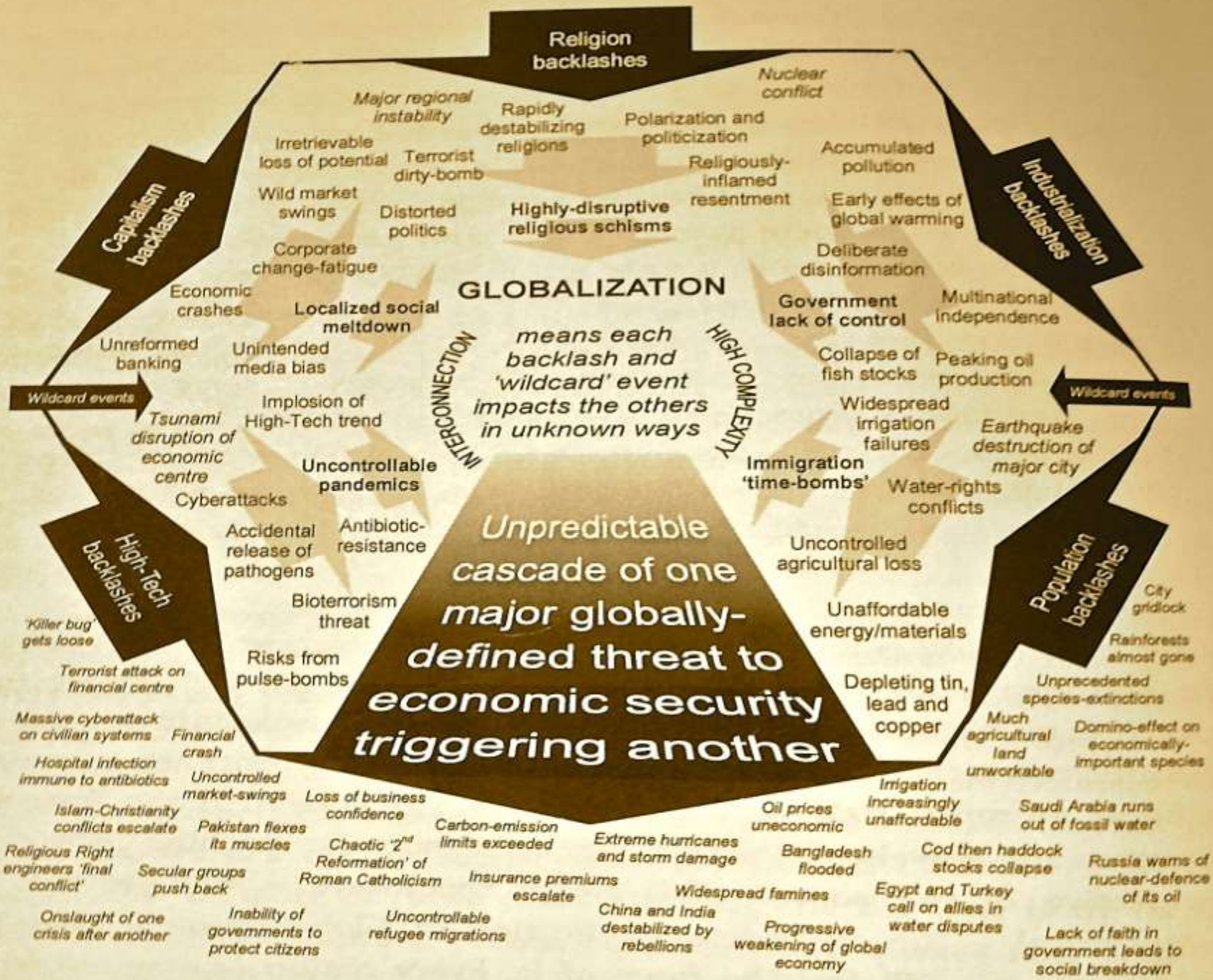


We Have A Problem With the Cascade



We Have A Problem Connecting





WE HAVE A PROBLEM-In Our Overconfidence



We Have A Problem With – TOO BIG



We Have A Problem- With Too Little



We Have A Problem With Our Purpose

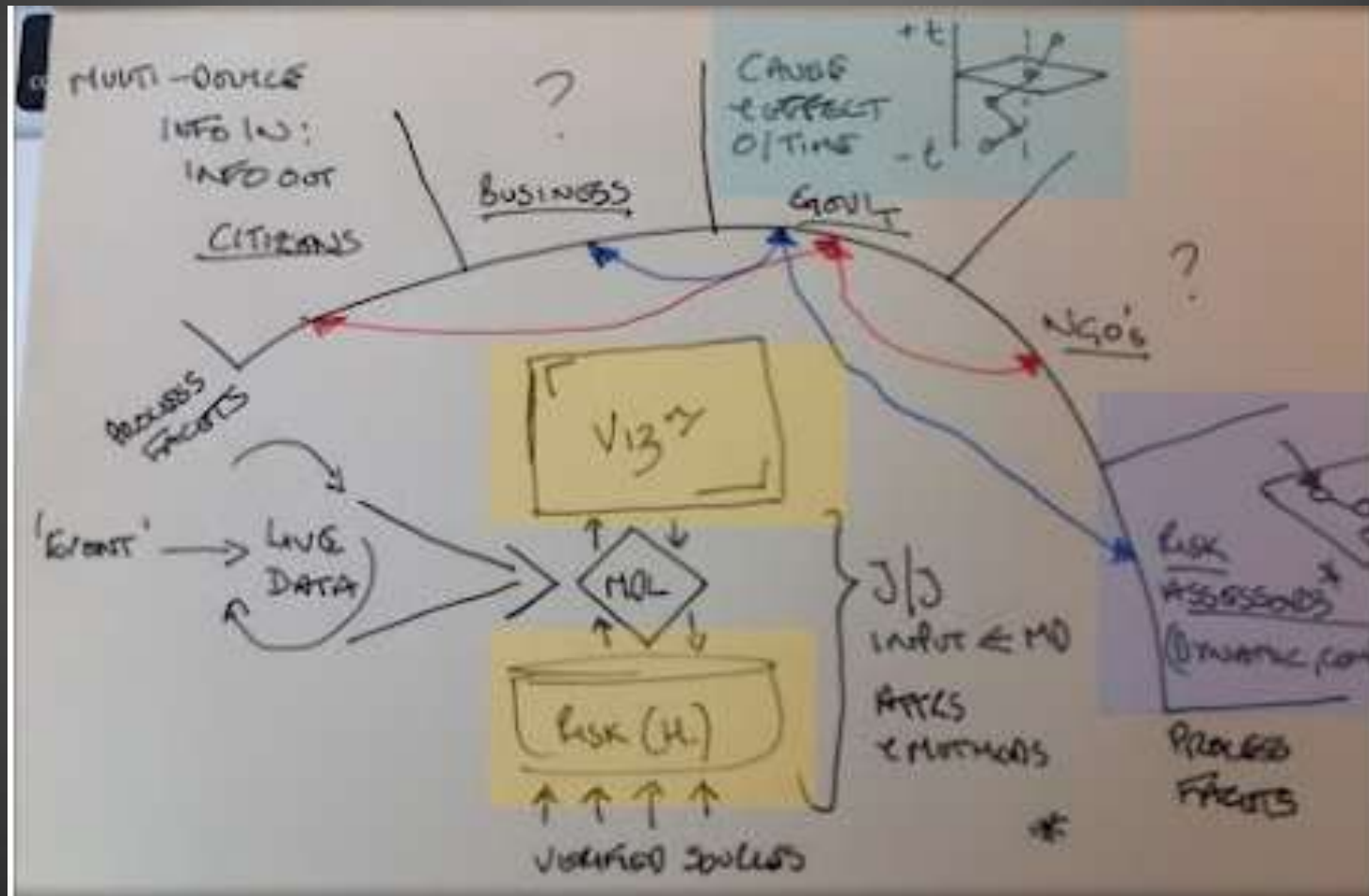


But The Two Biggest Problems-The Wrong Tools

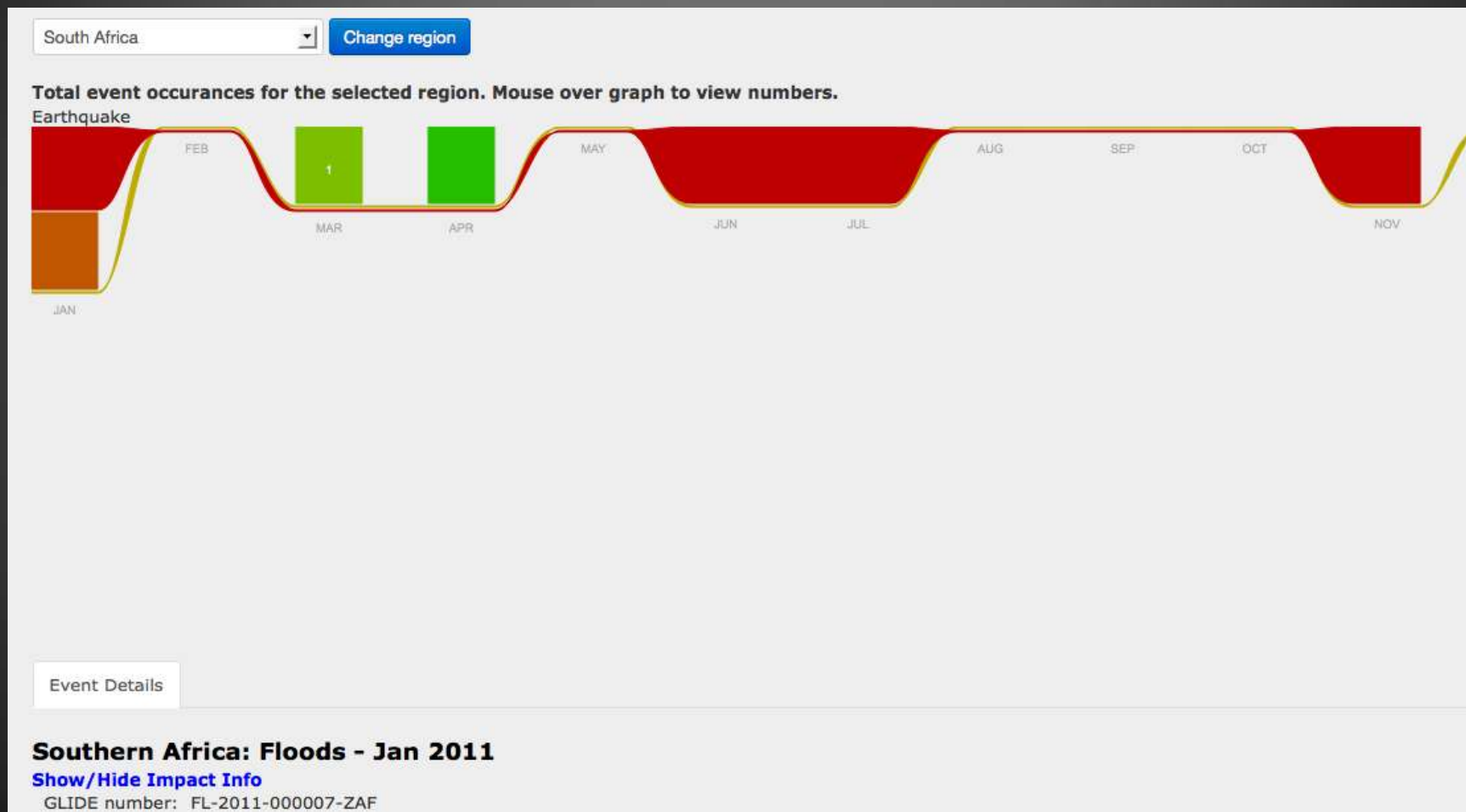
SEVERITY = (MAGNITUDE - MITIGATION)						RISK
HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	<i>Community/ Mutual Aid staff and supplies</i>	<i>Relative threat*</i>
0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
3	3	3	2	2	3	89%



When We Need A Tool That Looks Like This



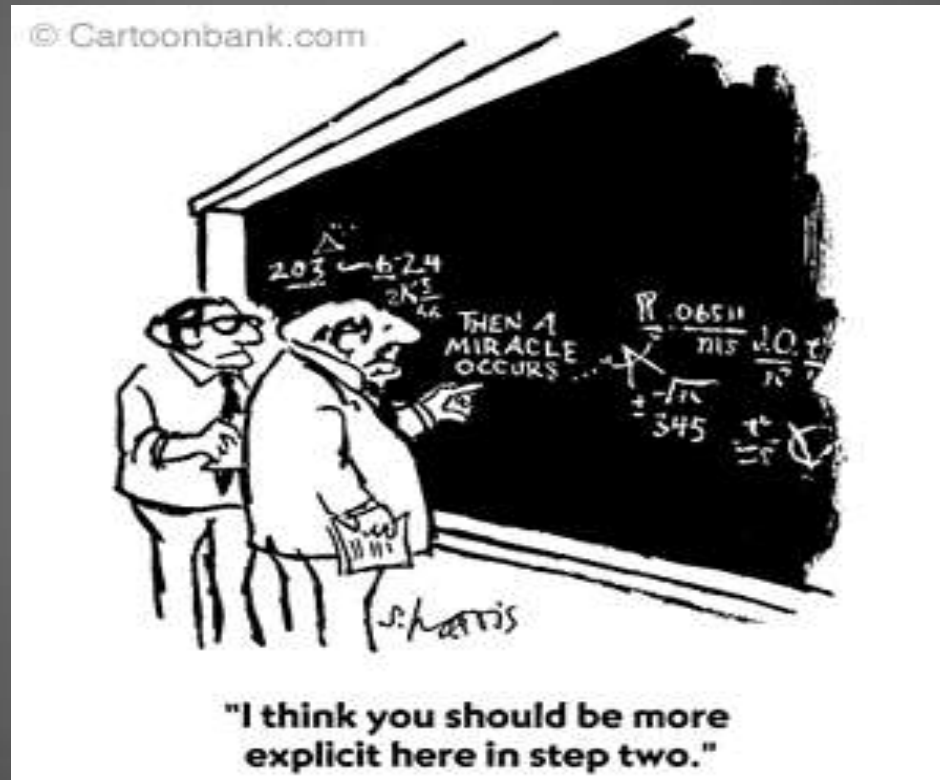
Create Tools- kisima.xchlive.org



Buckets That Influence Risk

- Government Structure and Maturity (political)
- Religious/Cultural/Tribal Influences
- Health Care Maturity (trends, access to medicine)
- Business Infrastructure (regional, national)
- Access to Resources (financial, natural)
- Human/Livestock Footprint (population density)

And The Wrong Math



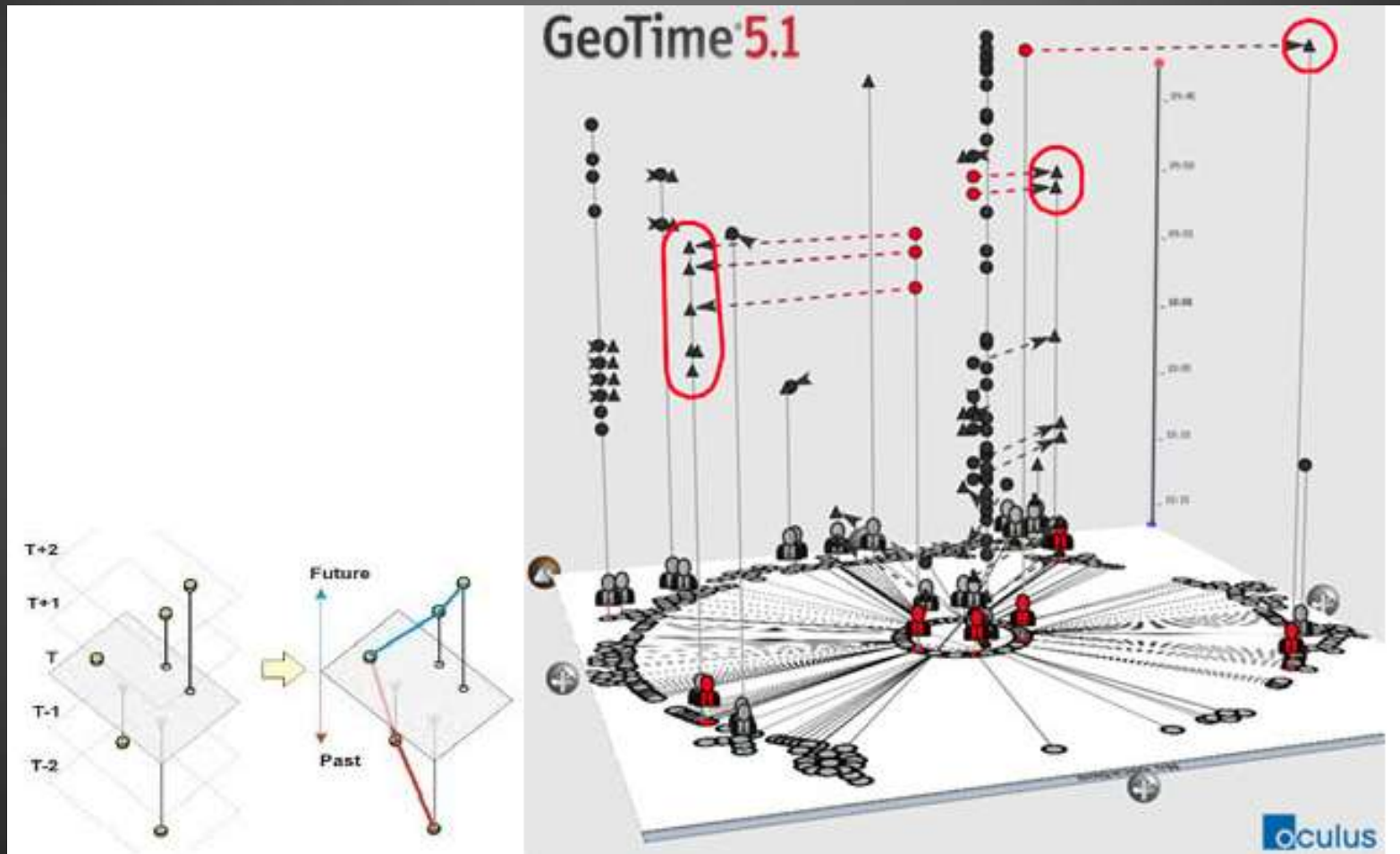
There Is No Average Event

- Start with the value of life (human and livestock)
- Add the immediate economic loss (business and government)
- Multiply by the value of on-going loss 2 years out
- Mitigate by the value of being prepared (economic value of rebuild and infrastructure improvement)
- Understand the range of events from best to worse

The Way Ahead- Must Be:

- Able to see interdependencies and event scale
- Backward and forward looking
- Spatial and Temporal
- User friendly
- Always on
- Able to help find the root causes of crisis

The Right Models Create A New Thinking



THE CORE Of Assisted Thinking Risk Understood



Questions



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