Risk Management in a Hypermobile World

Omega Seminar Series Bartlett School of Planning, UCL 11 February 2009

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December 2007: working paper for Omega Project

- The world's biggest mega transport project subsumes all the others. It is the promotion of mobility.
- All significant participants in the project are now globe spanning enterprises.
- The motor industry measures success by numbers of vehicles sold. Judged by this criterion, despite global over-capacity, it is prospering
- Growing still faster is the aviation industry, generating mega projects for plane and airport builders
- Railways, after decades in the doldrums, are being revitalized by mega high-speed projects
- The result is an emergent hypermobile society.

Oops!

"Hypermobility breeds fatalism. Without egalitarian restraint of present trends, dystopian science fiction appears likely to provide our best guide to the future." The social consequences of hypermobility

(the pollution-free perpetual-motion engine & electronic mobility too cheap to meter)

- more dispersed (more suburban sprawl)
- more polarised (greater disparity between rich and poor)
- more anonymous and less convivial (fewer people will know their neighbours)
- less child-friendly (children's freedoms will be further curtailed by parental fears)
- less culturally distinctive (the McCulture will be further advanced)
- more dangerous for those not in cars (more metal in motion)
- fatter and less fit (less exercise built into daily routines)
- more crime ridden (less social cohesion and more fear of crime)
- subject to a more Orwellian style of policing (more CCTV surveillance)
- less trusting (the rise of the audit/risk-assessment culture)
- less democratic (the majority will have less influence over the decisions that govern their lives)

≜UCL

omega centre

Centre for Mega Projects in Transport and Development

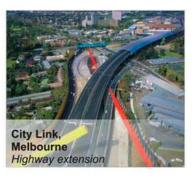
A global Centre of Excellence in Future Urban Transport sponsored by Volvo Research and Educational Foundations (VREF)



HSL- Zuid Brussels to Amsterdam Highspeed TGV railway







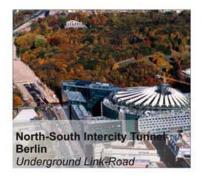


Millau Viaduct A75, Midi-Pyrénées Highway bypass

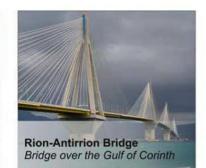










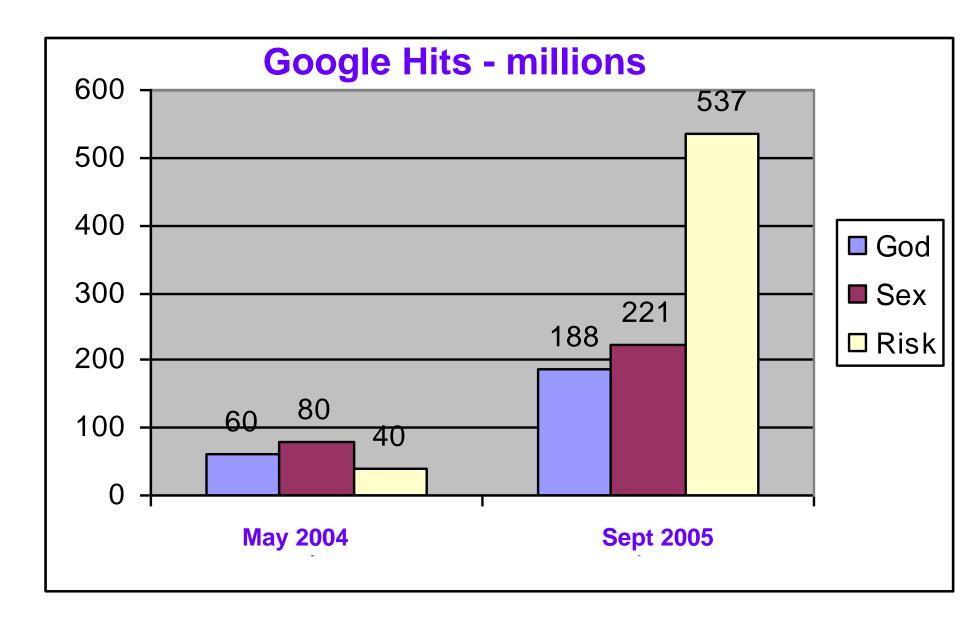


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The social consequences of hypermobility (the pollution-free perpetual-motion engine

& electronic mobility too cheap to meter)

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"To avoid suffocation keep away from children"

- will be heard but the Fire Brigade will be called.
- 2. Tell any staff member the location of fire or smoke.
- 3. Follow instructions from staff or emergency services.

Do not take any risks

<u>CAUTION</u> These plants are covered in sharp spikes that may puncture the skin if touched DO NOT HANDLE

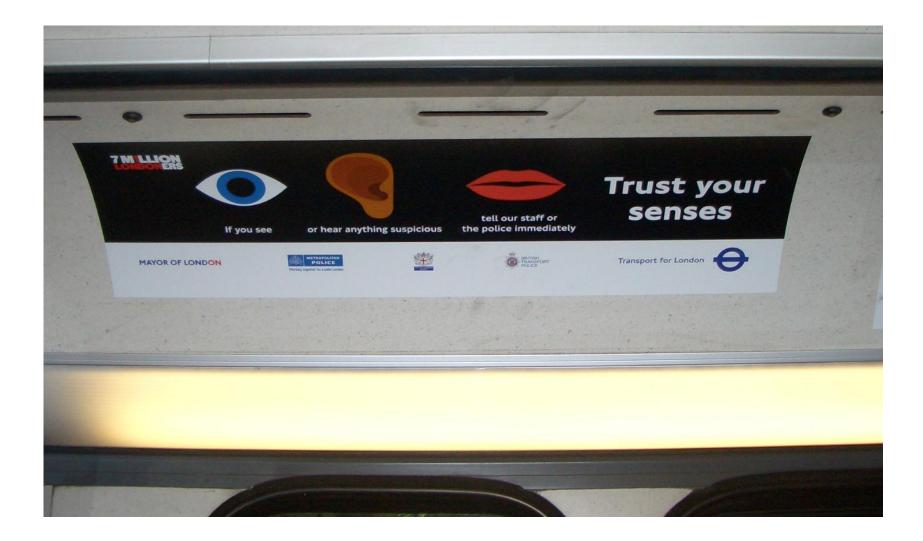
CAUTION These plants are covered in sharp spikes that may puncture the skin if touched. DO NOT HANDLE

Entrance to the Health and Safety Laboratory, Buxton













Drake Gilbert Saxton Davis Hakluyt Wright Hudson Baffin Halley Dampier Bruce Cook Ramsden Roy Mackenzie Rennell Vancouver Park

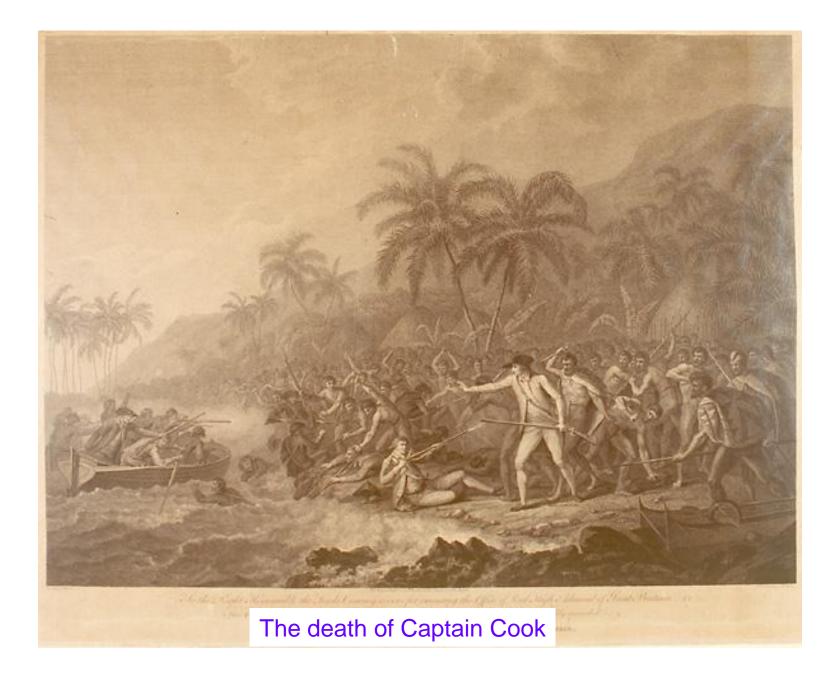
Clapperton Barrow Lander Parry Colby Back Ross **Biscoe** Franklin Stuart Eyre Galton **Everest** Hooker Bates Burton Speke **Murchison**

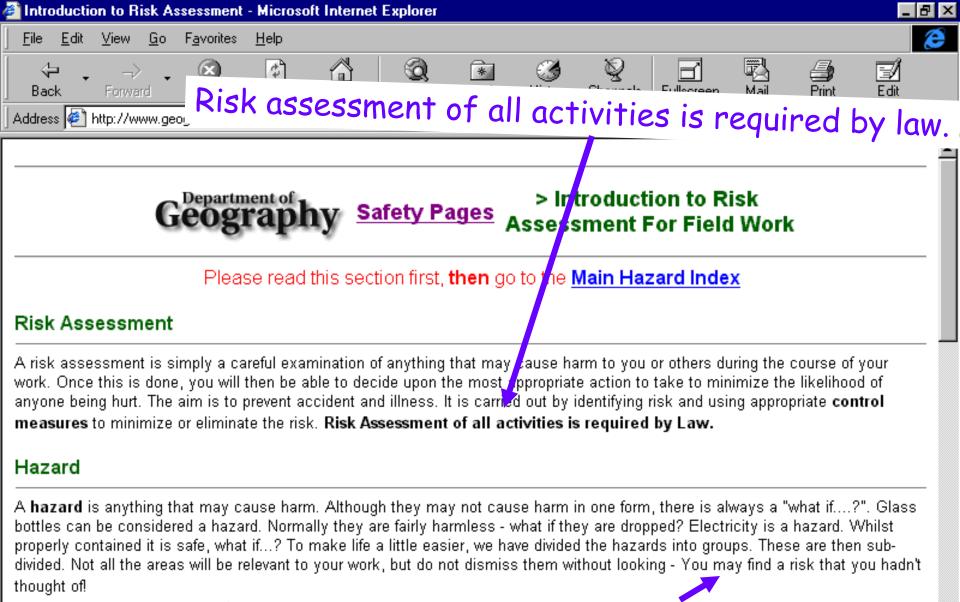
Livingstone Baker Kirk Godwin -Austen Clarke Markham Yule Stanley Doughty Thomson Murray Curzon Scott Shackleton Keltie **Gertrude Bell** Hogarth

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You may find a risk that you hadn't thought of!

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Guide to Hazard Categories

- Environment
- Manual Handling
- Chemical/Biological
- Working on or near Water
- Lone/Out of hours working

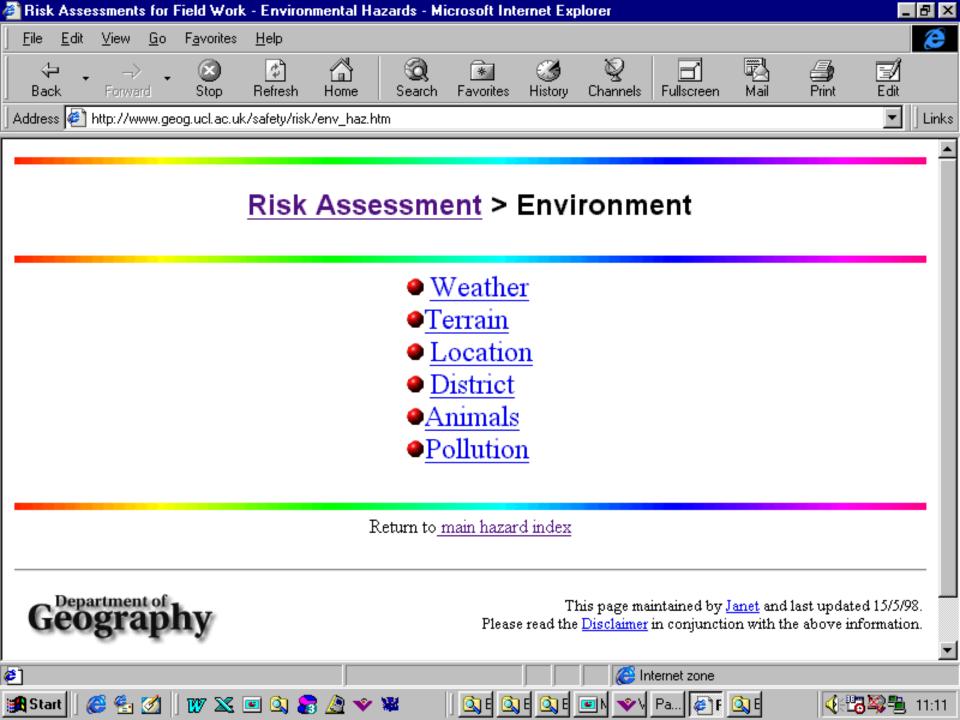
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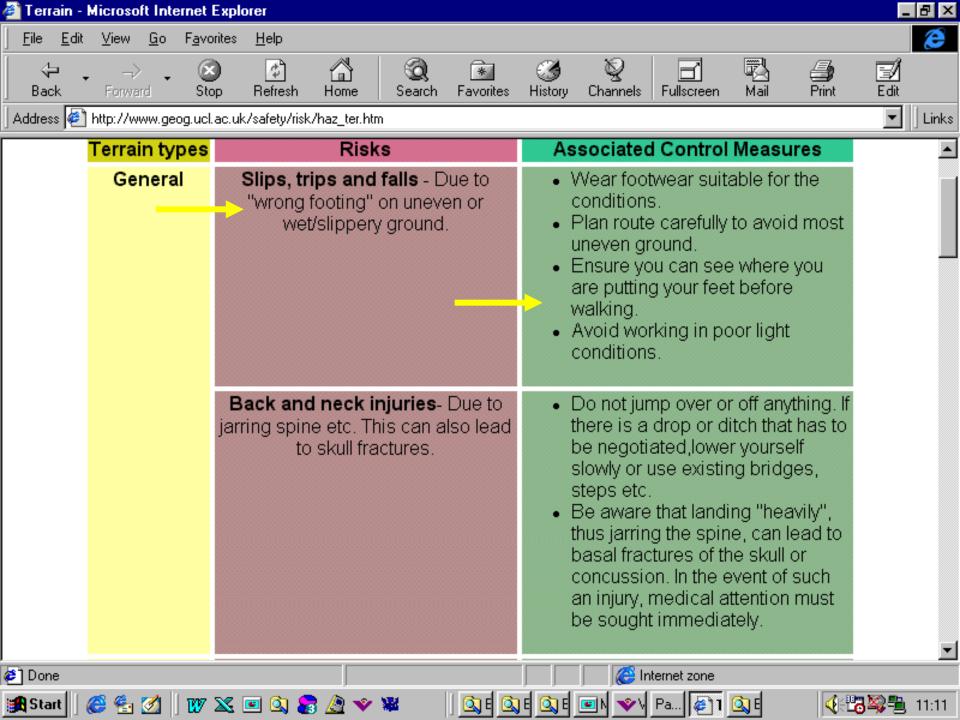
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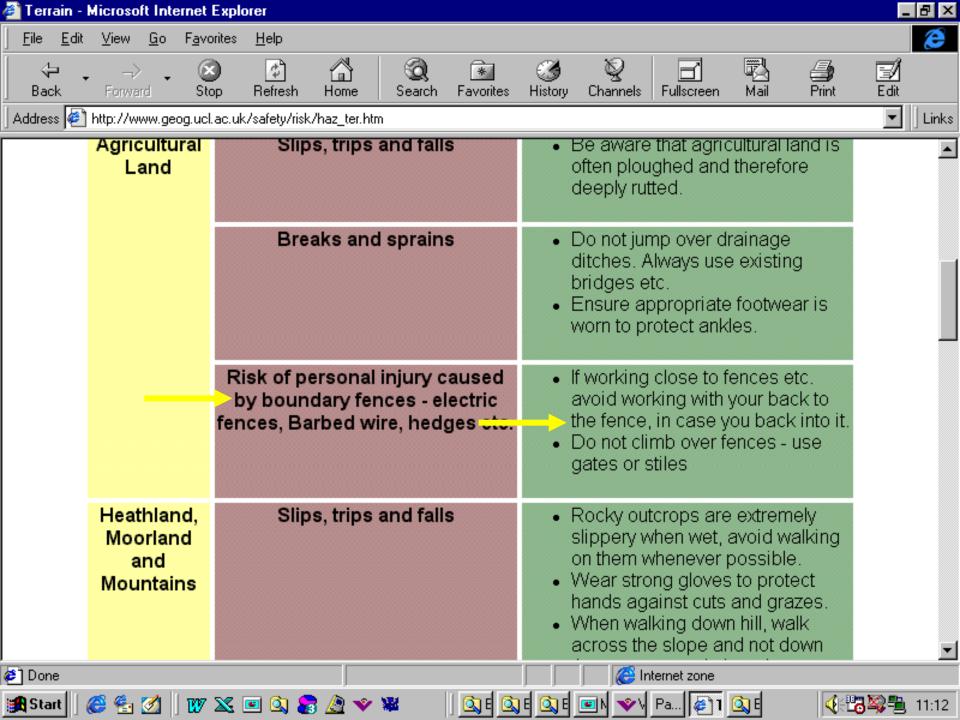
- Health
- Equipment
- Dealing with the Public

Return to Introduction to Risk Assessment

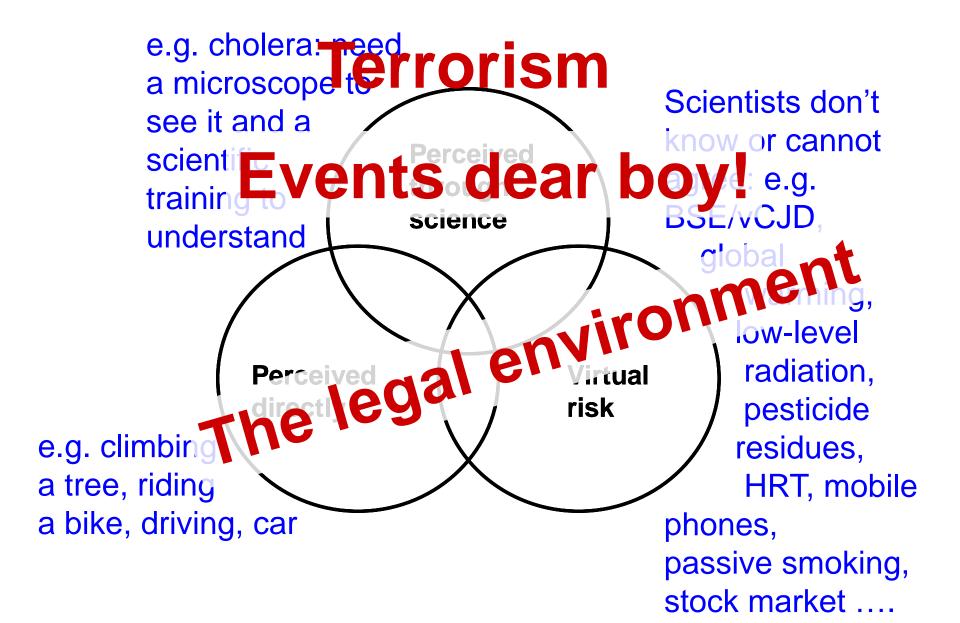






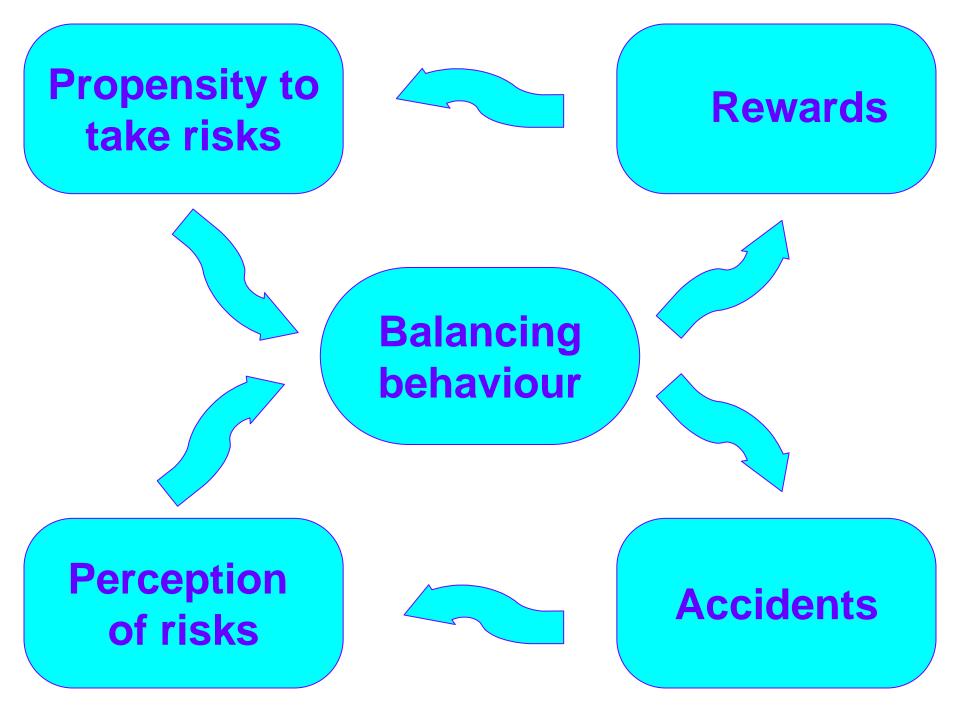


Different kinds of Risk

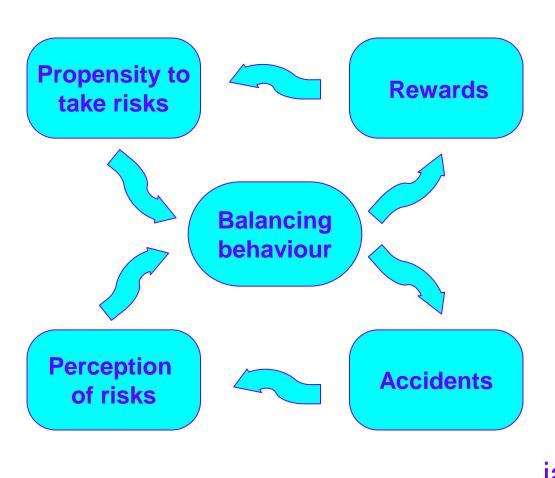




The New Yorker March 21, 1988

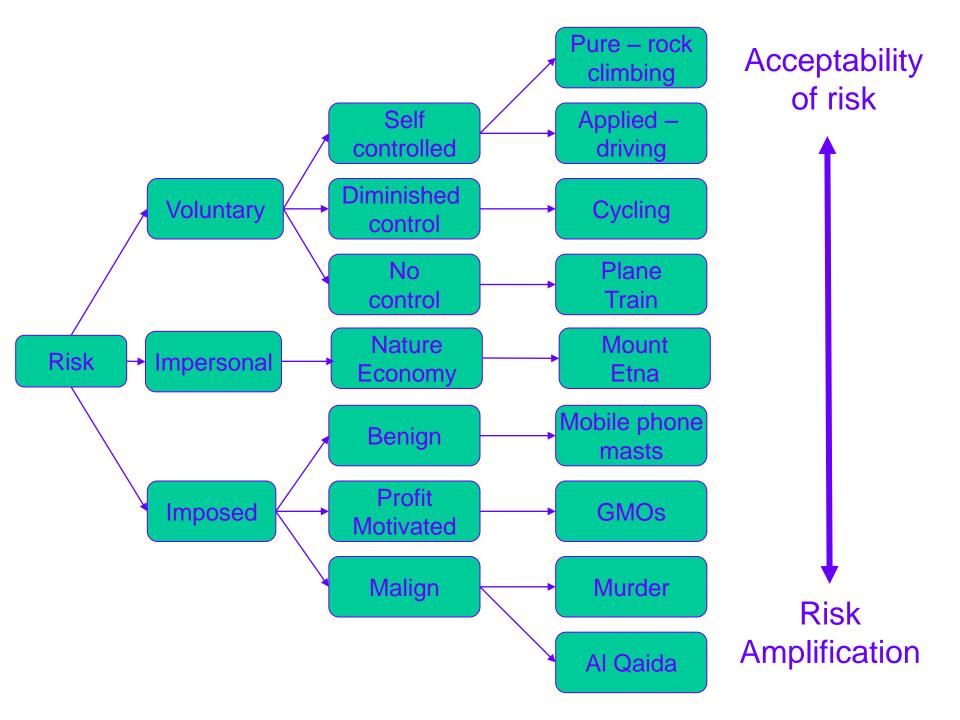


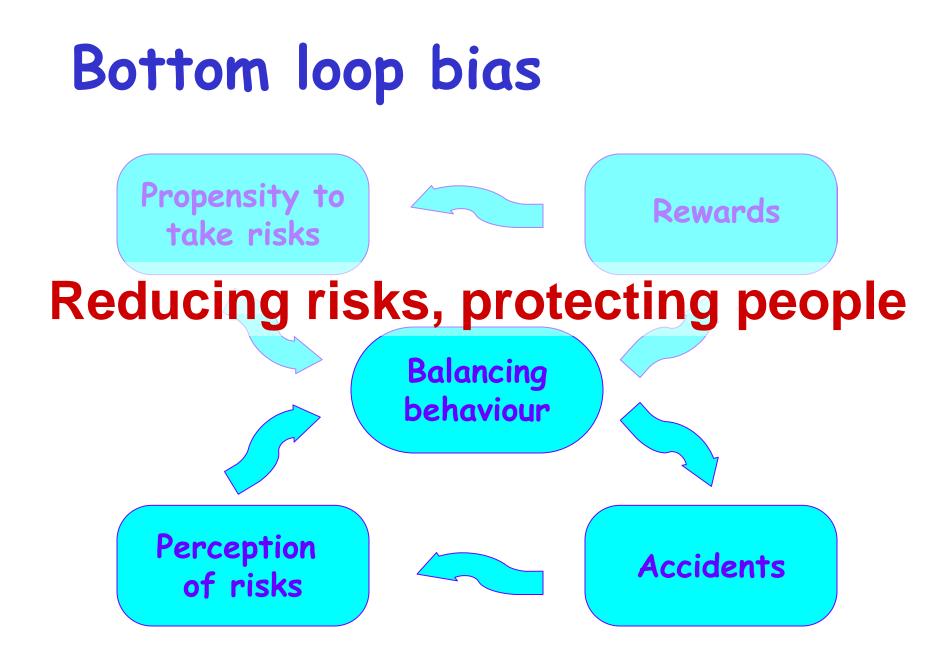
The risk thermostat

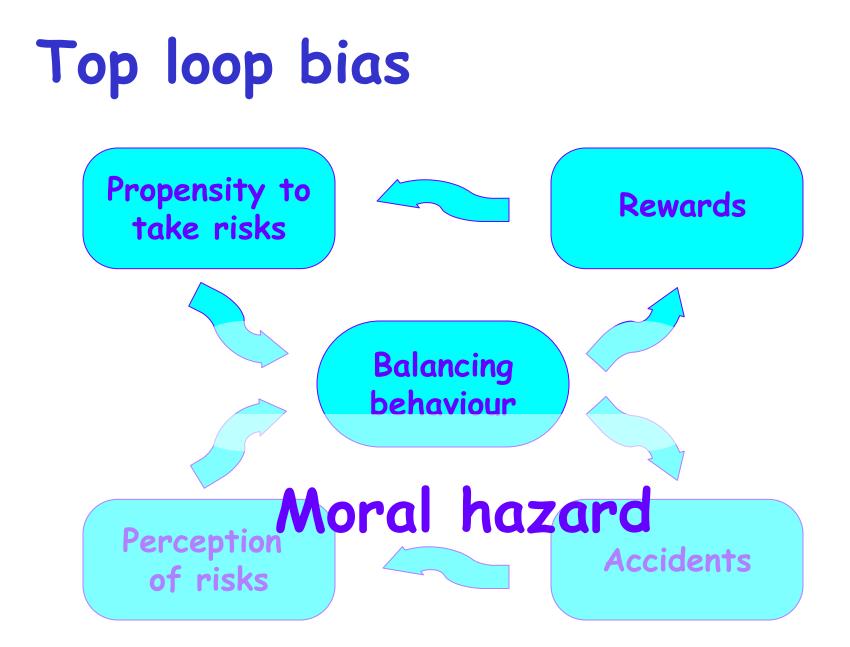


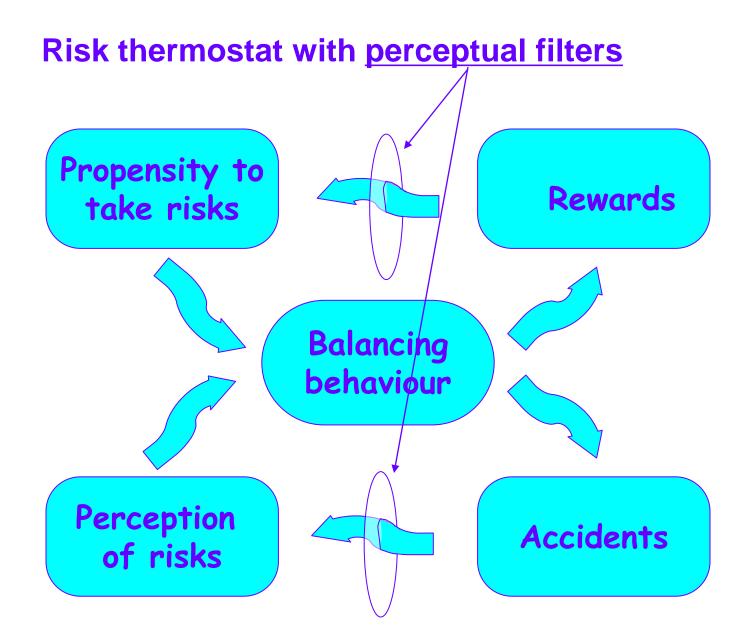
Money, power, love, glory, food, sex, rushes of adrenaline, control ...

Money, health, life, status, self-esteem, embarrassment, jail, loss of control ...

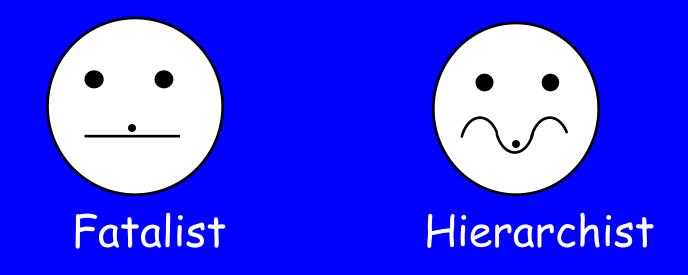


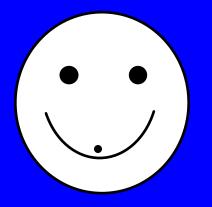




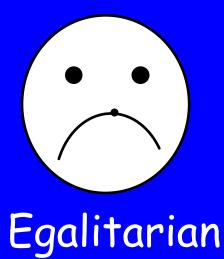


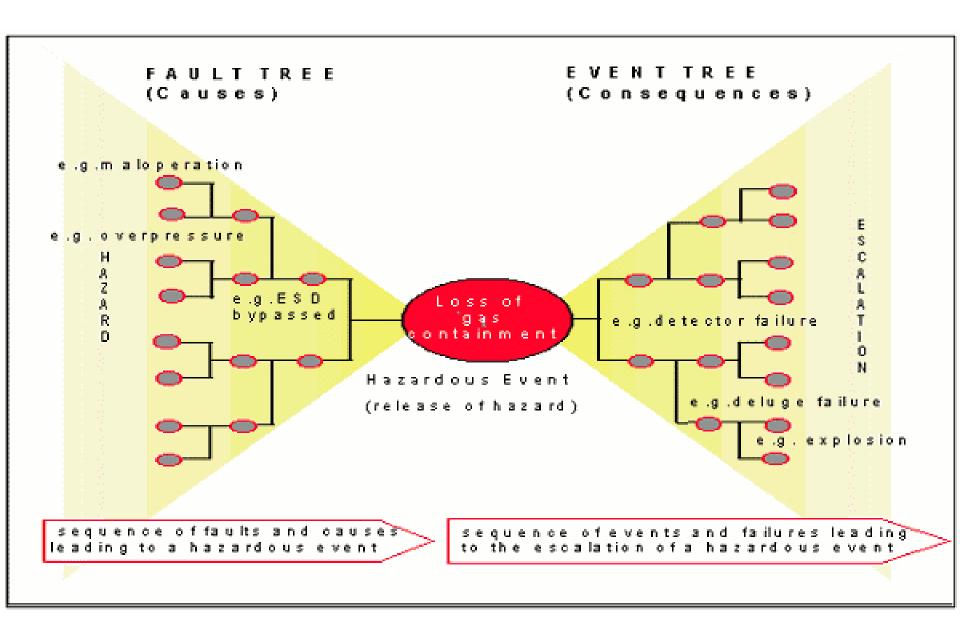
A typology of bias



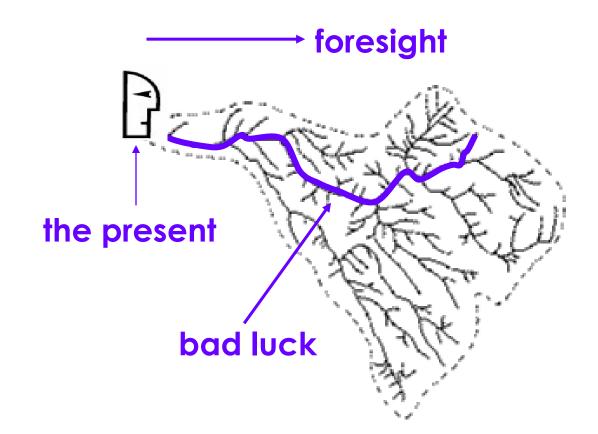


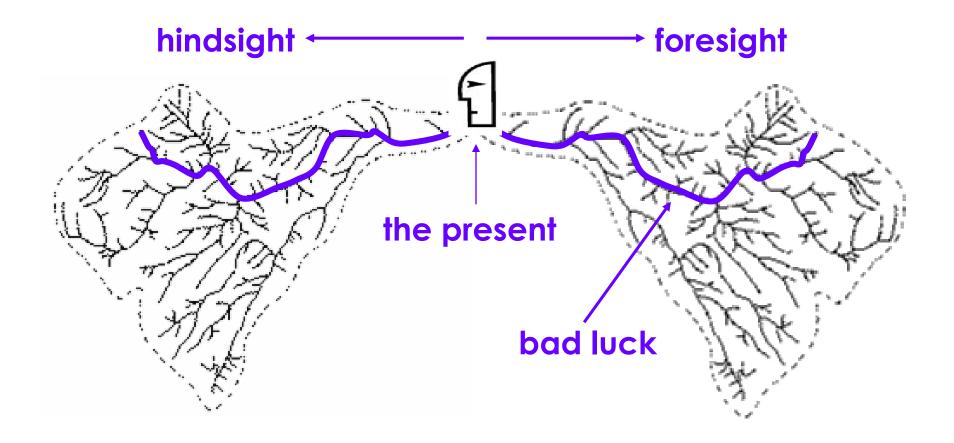
Individualist

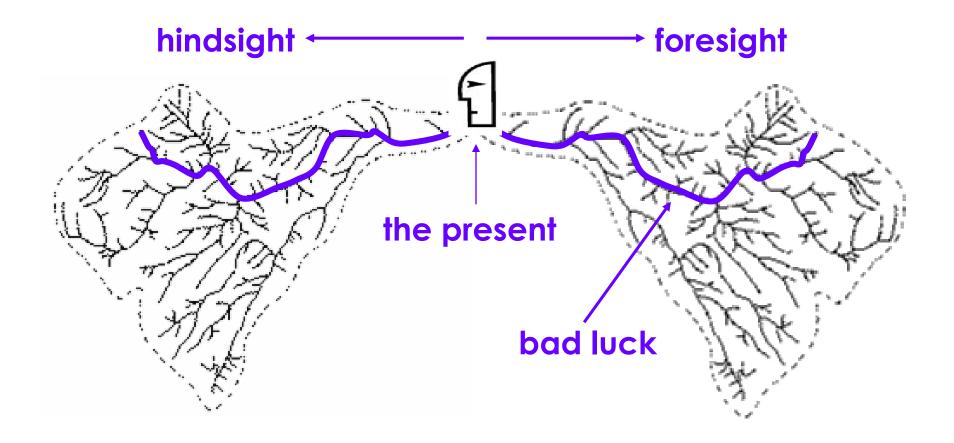


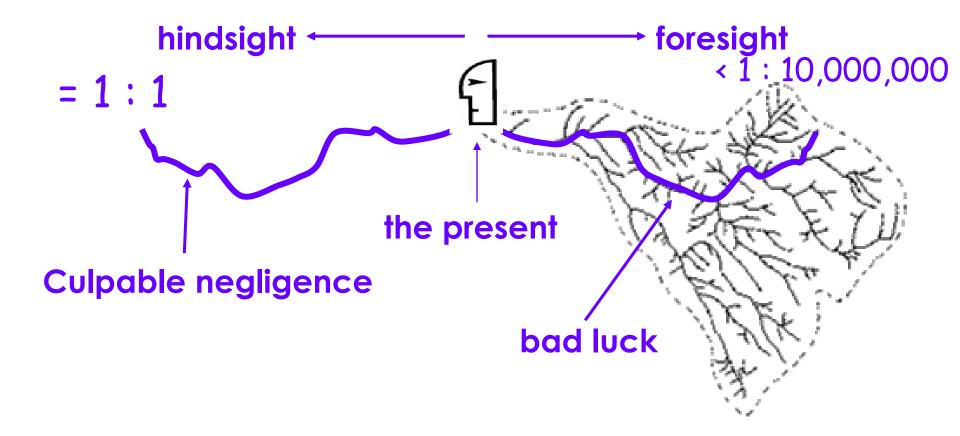


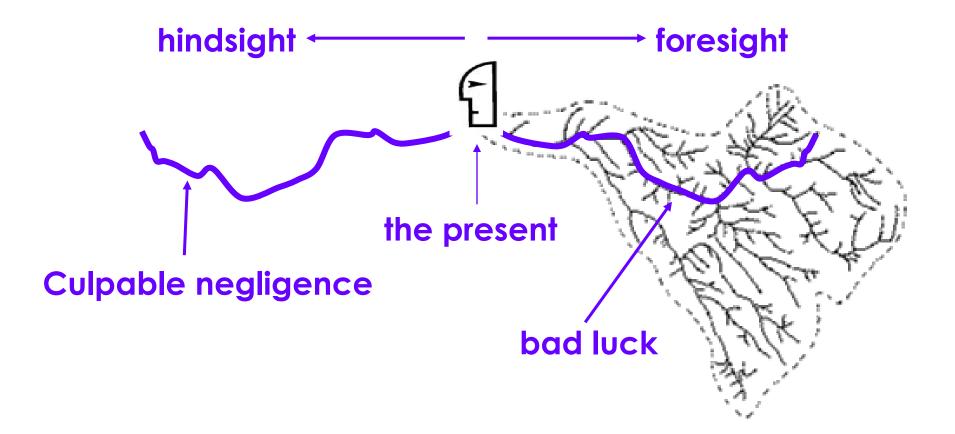
www.acm.ab.ca/safety/images/ fault-tree.gif

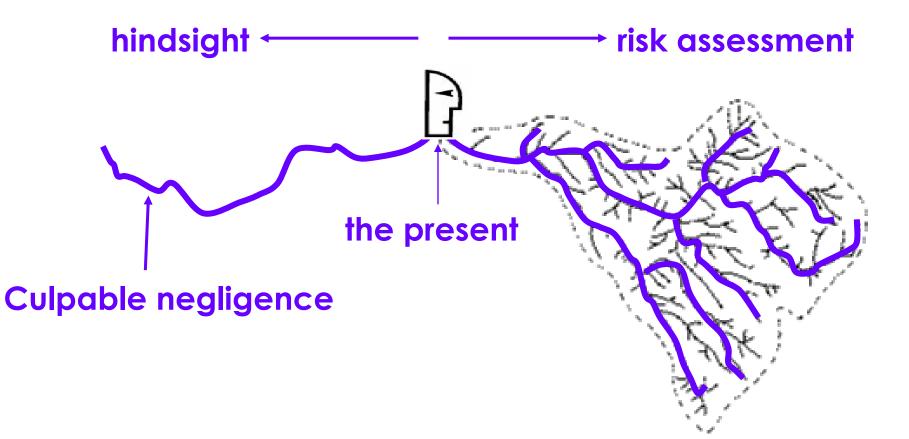












No children



"The swings are packed away at night because kids might climb the fence and use them unsupervised and hurt themselves."



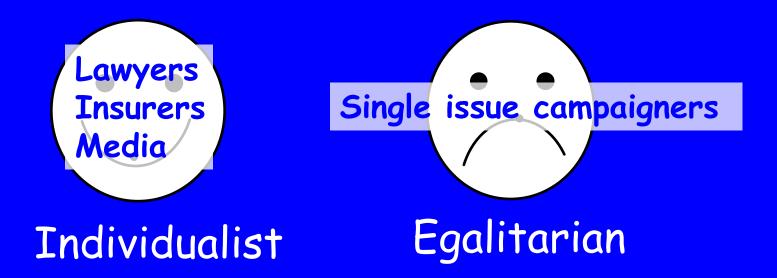


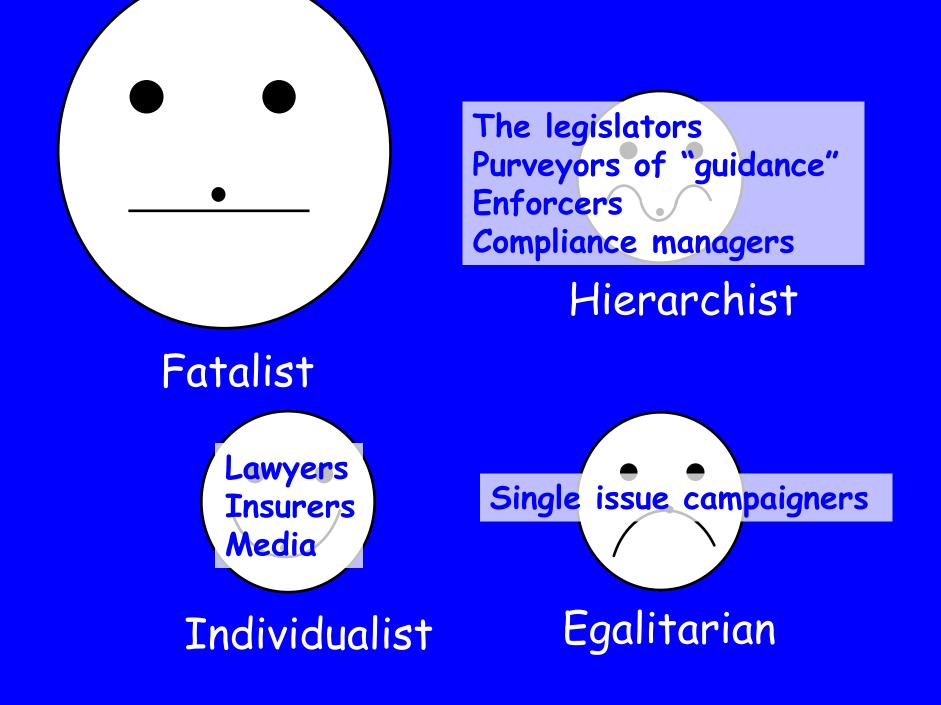


The legislators Purveyors of "guidance" Enforcers Compliance managers

Fatalist

Hierarchist









http://www.edwardburtynsky.com/WORKS/Ships/Shipbreaking

There must be no blood



BG LNG Plant, Idku, Egypt

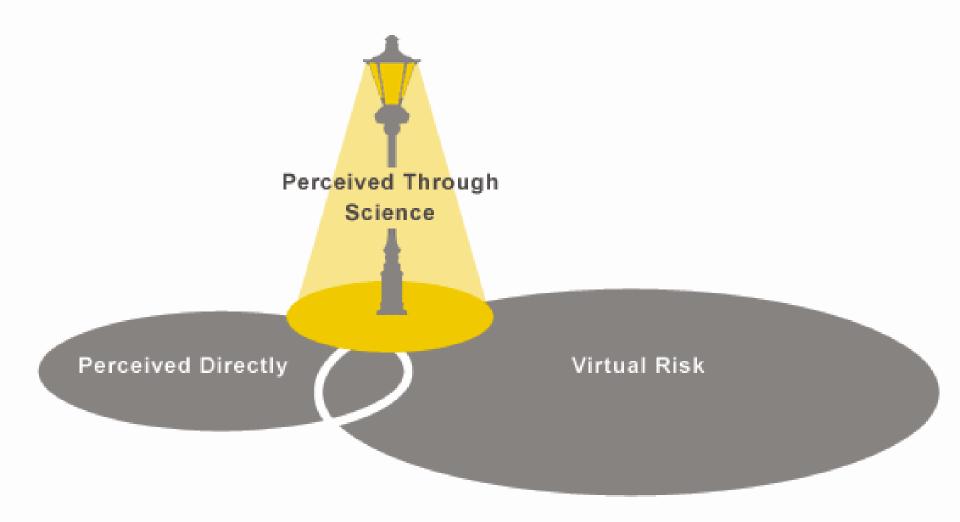




Total fatalities caused by pipe bombs disguised as bicycles, world-wide = 0

This bike is a pipe bomb

Risk management: where are the keys?



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