Transformative culture of disaster risk management as an enabler to resilience

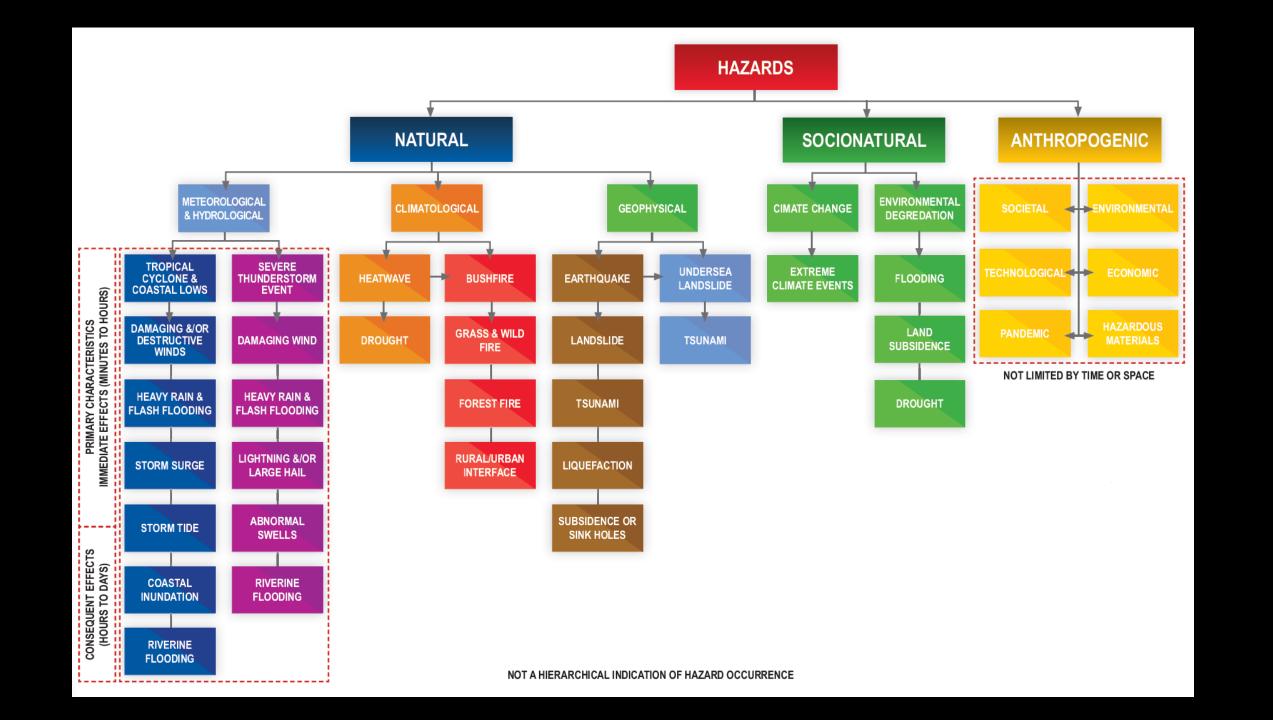
Dr John Rolfe
Director Community Resilience and Risk Mitigation
Queensland Fire and Emergency Services





Reframing risk

- Hazard x Exposure x Vulnerability = Risk.
- Scientific based hazard data that is understandable, relevant and directly useful (local knowledge).
- Cross sectoral partnerships and networks.
- Open data versus risk information that is sensitive.
- Challenging a compliance driven culture of practice imbued with planning fallacies (illusion of control).
- Continuous learning and a problem solving focus.

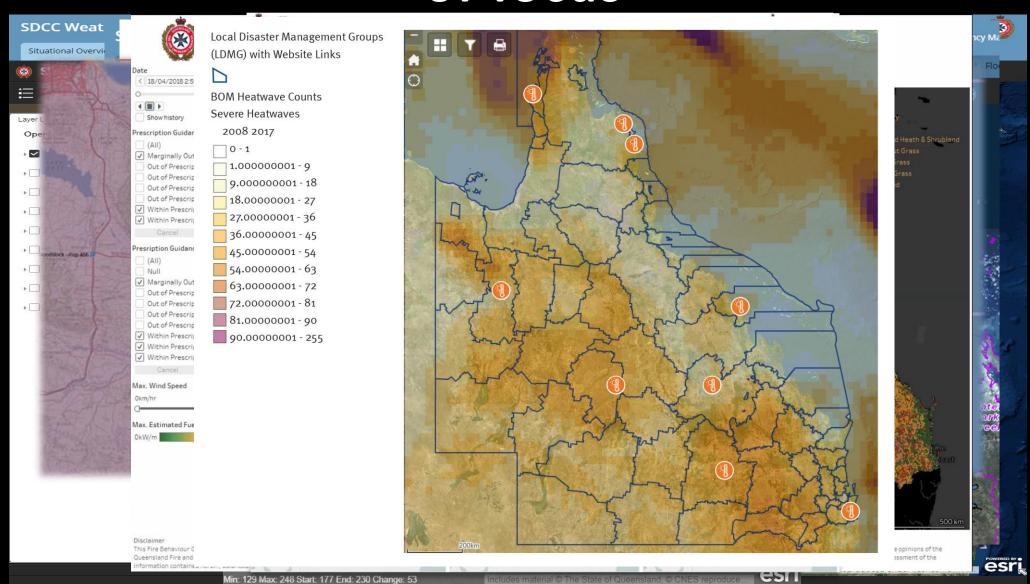




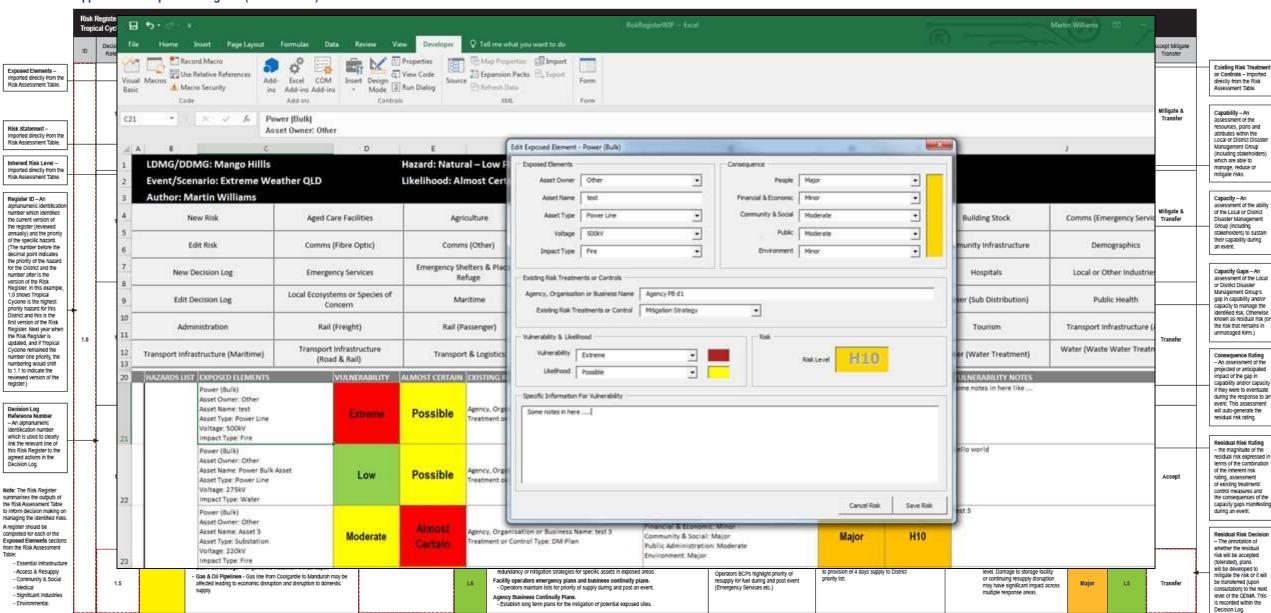
Risk Assessr



Geospatial intelligence as a means of focus



Appendix 6: Sample Risk Register (Infrastructure)



Traversing the void between inherent risk and residual risk

- Establishing inherent risk associated with spatial and temporal hazard manifestation via the analysis of exposures is essential however risk, and subsequently consequences, can only truly be determined through vulnerability analysis.
- Particularly true of infrastructure, systems and networks that are highly interconnected and mutually dependent.
- Broad area disaster risk assessments require interdisciplinary and cross institutional perspectives and collaboration.

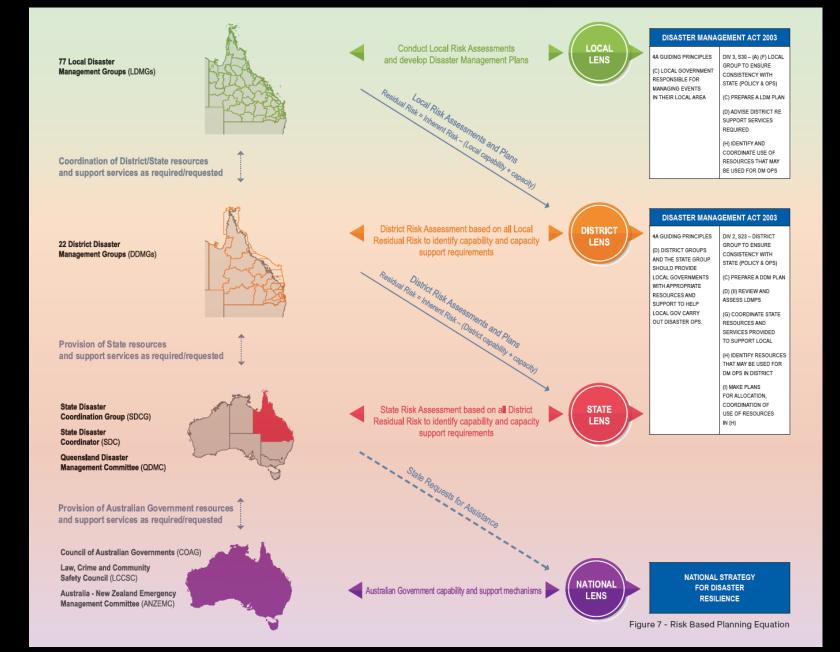
Defining time horizons and emerging industry pressures

- Current time horizons between risk assessments (which should incorporate climate variability) and climate change projections?
- Longer time horizons are especially relevant when evaluating investment in new developments and or reducing vulnerability of infrastructure and communities.
- Climate risk is now distinctly seen globally as financial in nature including increases in litigation regarding climate risk disclosure.
- Put variability and change in perspective and what this means for the area of interest subject to the disaster risk assessment.

Collaborative problem solving

- Bringing individuals and organisations together is key but this
 is insufficient of its own as this does not necessarily involve
 commitment to shared goals nor commitment over time.
- Challenge is to create synergies toward action.
- Collaborative problem solving involves: communication, cooperation and responsiveness.
- Creation of common intent and its transformation into coordinated action in the production of disaster risk reduction plans is directly observable at each step.

Passage of 'residual risk' is key to any tiered system/framework



QUEENSLAND EMERGENCY
RISK MANAGEMENT FRAMEWORK (QERMF)

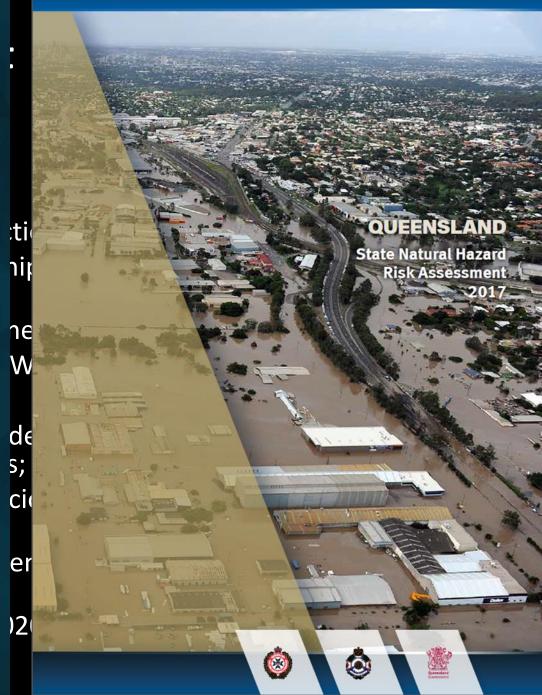
RISK ASSESSMENT PROCESS HANDBOOK

Prepared by Community Resilience and Risk Mitigation Unit, Emergency Management and Community Capability, Queensland Fire and Emergency Services

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Transformative risk

- Scientific based hazard information/local knowledge.
- Cross sectoral partnerships and networks.
- Responsible/accountable sharing of risk information.
- Assisting risk owners to move beyond 'compliance'.
- Continuous learning through science, technology and lived experience.
- A culture of practice emerges that has a solution focus through collaborative problem solving = enabling adaptation.



Dr John Rolfe
Director Community Resilience and Risk Mitigation
Queensland Fire and Emergency Services



