

Response to Australia's "National Climate Risk Assessment" (NCRA) published by the Australian Federal Government, September 2025. By the Centre for Advanced Resilience and Risk Policy Studies (CARRPS™) within the Australian Risk Policy Institute (ARPI®) - 25 September 2025

Research and Development to better understand earth's systems, past, present and future, are an essential responsibility of governments, scientists, academia and professions, just as accepting the growing possibility of further evolution of physical laws and their relationship with the demonstrable history of theology.

In today's world of digital transformation, subject to rapid deterioration and not in the same place, the relationship between earth's systems and industrialization has never been more important nor critical.

Resilience of critical global infrastructure is defined by ARPI® through Strategic Risk Policy® (Risk 4.0) as "Protection Against Foreseeable Vulnerabilities" and includes water, electricity, gas, bushfires, floods, transport, fuels, medicines, communications, finance and supply chains. Recently, ARPI® published unknown vulnerabilities in 'PKI' Public Key Infrastructure (www.arpi.org.au), gratefully received by Government.

ARPI® on this occasion however cannot endorse the recently produced National Climate Risk Assessment (NCRA) for several reasons:

- ❖ The theory and approach to risk, basically applying 'risk management processes' (known as Risk 1.0) and substantially the same as those applied over several decades, have not adjusted to today's world;
- ❖ Current risk management processes have failed and continue to fail to protect the interests of a very large number of people worldwide e.g. 9/11, Global Financial Crisis, Covid-19, Cyber Security, Social Media;
- ❖ As a result of Covid-19, "every national risk management plan is a temporary illusion";
- ❖ Some of today's challenges have never been seen before and some of the consequences are unimaginable. Old approaches will not necessarily solve many of today's new challenges;
- ❖ Risk today is based in Vulnerability and concerned with Consequence;
- ❖ Understanding the distinction between Risk and Vulnerability is one of the most pressing policy problems in the world right now. NCRA shows limited to no understanding of this discernment and in fact confuses the two concepts;
- ❖ Vulnerability refers to potential or possible strategic risks and presently attracts zero probability;
- ❖ Strategic Risk Policy® enables protection against Vulnerabilities thus preventing Risks from arising;
- ❖ ARPI®'s Transition Code is part of a New Risk Landscape and states that "Risk is the Consequence of the Conjunction of Vulnerability, Threat and Threat Actor"; and
- ❖ It is virtually impossible to assess the dangers to a system if the assessment accepts the premises of that system, without agreed, validated scientific and technical evidence establishing the status of that system.

"One of the primary catalysts (for a new way of thinking about ourselves and our proper relationship to each other) is the growing reality that government has been captured and thence reduced to politics, and citizenship has been conflicted with partisanship." Globally, science ⇔ politics ⇔ risks presently remain disconnected.
