10. Effective ways to structure the Framework to achieve the desired goals, including, but not limited to, integrating AI risk management processes with organizational processes for developing products and services for better outcomes in terms of trustworthiness and management of Al risks. Respondents are asked to identify any current models which would be effective. These could include – but are not limited to – the NIST Cybersecurity Framework or Privacy Framework, which focus on

outcomes, functions, categories and subcategories and also offer options for developing profiles reflecting current and desired approaches as well as tiers to describe degree of framework implementation; and

These are personal views, and employers are not responsible for the views expressed here.

General RFI Topics (Use as many lines as you like)	Response #	Responding organization	Responder's name

	NIST spells out its views about what features the AI RMF should have as:		
	be consensus-driven, providing common definitions, using plain language,		
	be adaptable, be risk-based, outcome-focused, voluntary, and non-		
	prescriptive, be readily usable as part of any enterprise's broader risk		
	management strategy, be a living document. While all of these are great	Responder	
Responses to	suggestions, they would have been much more specific, had they been	belongs to	
Specific Request	grounded in an AI Risk framework. Having a framework more specific to	ARDC and	
for information	AI would allow for more structured collection of comments. Yet, that	UTS, but the	
(pages 11,12, 13	would be a iterative process. The current descriptions, though generic,	views are	
and 14 of the	are necessary scaffoldings for any good frameworks. It is good that NIST	that of the	Gnana K
RFI)	recognizes that AI Risk Framework is different to other generic risks.	responder	Bharathy
	According to the OECD report (OECD, 2019) "AI has pervasive, far-		
	reaching and global implications that are transforming societies,		
1. The greatest	economic sectors and the world of work, and are likely to increasingly do		
challenges in	so in the future."		
improving how	Most practitioner's literature suggests that every risk management		
AI actors	framework should consist of a minimum of risk identification,		
manage Al-	measurement, mitigation, reporting/ communication and monitoring, and		
related risks –	governance. In addition, formulation of the risk problem and the context		
where	should also be included.		
"manage"	The challenge for AI based risk, as with any emerging technology, is that	Responder	
means identify,	identification and assessment of risks are a moving target, and there is an	belongs to	
assess,	element of projection required.	ARDC and	
prioritize,	In addition, there are both ethical challenges such as biases in the AI,	UTS, but the	
respond to, or	ethics of replacing human labour, removing large swaths of workforce	views are	
communicate	from the market and AI making decisions inherently different from	that of the	
those risks;	human decision making process, and so on.	responder	

2. How organizations currently define and manage characteristics of Al trustworthiness and whether there are important characteristics which should be considered in the Framework besides: accuracy, explainability and	In the recent years, various governments (at least OECD) and jurisdictions have issued sets of guidelines for developing trustworthy AI systems. These are too numerous to name. Similarly, consulting organizations are claiming that they put trust at the centre of AI. The enterprises are just starting to realize ROI with AI applications, and the movement to make these systems ethical and responsible is still nascent. That said, AI development has always included metrics such as accuracy and robustness. Now, the conversation has also shifted to explainability and interpretability as key dimensions needed to trust AI. Similarly, from a cybersecurity perspective security has become an important issue. Recent interest in ethical AI has resulted in a surge of interest in mitigation of harmful bias, misuse of AI as well as safety issues relating to AI. One issue with trust along the ethical or bias dimension has been about ensuring whether AI systems include internal and external checks to help enable equitable application across all participants.		
besides:	interchangeable. "Open Data" refers to "data that can be freely used,		
explainability	requirement to attribute and share alike." On the other hand, data is FAIR		
interpretability,	"Interoperable" and "Reusable." According to Mons et al, FAIR refers to a		
reliability,	set of principles, focused on ensuring that research objects are reusable,		
privacy,	and actually will be reused, and so become as valuable as possible		
robustness,	[These principles] describe characteristics and aspirations for systems and	Deenender	
safety, security	services to support the creation of valuable research outputs that could	Responder	
(resilience), and	then be rigorously evaluated and extensively reused, with appropriate	belongs to	
mitigation of	credit, to the benefit of both creator and user.	ARDC and	
harmful bias, or harmful	The EAIR Data principles were initially proposed in a 2016 paper outbased	UTS, but the	
outcomes from	The FAIR Data principles were initially proposed in a 2016 paper authored by scholars working primarily in the life sciences. Though its origins reside	views are that of the	Gnana K
misuse of the AI;	within a field of scientific inquiry, advocates argue that the FAIR principles	responder	Bharathy



3. How organizations currently define and manage principles of Al trustworthiness and whether there are important principles which should be considered in the Framework besides: transparency, fairness, and accountability;	A state of the discussion on AI trustworthiness, comprising a wide array of attributes such as robustness, accuracy, fairness, explainability, and privacy, has been explored and presented by the National Academies of Sciences, Engineering, and Medicine (NASEM), where NIST is also co- sponsor. Therefore, it is not necessary to repeat the same, but for reference, the info is given here: https://vimeo.com/showcase/8327408 In addition to these, it is encouraged that AI development take into account two important principles, namely FAIR and CARE. The former is about making the data "Findable," "Accessible under well defined conditions," "Interoperable" and "Reusable", where focus on characteristics of data that will facilitate increased data sharing among entities while ignoring power differentials and historical contexts. However, an unintended consequence is that the emphasis on greater data sharing alone creates a tension for Indigenous Peoples. The CARE Principles for Indigenous Data Governance was designed to address this issue, and are "people and purpose-oriented, reflecting the crucial role of data in advancing Indigenous innovation and self-determination". CARE principles complement the existing FAIR principles. Further info can be found at: https://www.gida-global.org/care ARDC as an organization has exceptional depth of skills and expertise in these areas and would be able to assist, if required.	Responder belongs to ARDC and UTS, but the views are that of the responder	Gnana K Bharathy
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	Why AI RMF is different: Framework is different: AI poses unfamiliar risks and creates new responsibilities Over the past two years, AI has increasingly affected a wide range of risk		
	types, including model, compliance, operational, legal, reputational, and regulatory risks. Many of these risks are new and unfamiliar in industries		
	without a history of widespread analytics use and established model		
	management. And even in industries that have a history of managing these risks, AI makes the risks manifest in new and challenging ways. For		
	example, banks have long worried about bias among individual		
	employees when providing consumer advice. But when employees are		
	delivering advice based on AI recommendations, the risk is not that one piece of individual advice is biased but that, if the AI recommendations		
	are biased, the institution is actually systematizing bias into the decision-		
	making process. How the organization controls bias is very different in these two cases.		
	These additional risks also stand to tax risk-management teams that are		
	already being stretched thin. For example, as companies grow more		
	concerned about reputational risk, leaders are asking risk-management		
	teams to govern a broader range of models and tools, supporting anything from marketing and internal business decisions to customer		
4. The extent to	service. In industries with less defined risk governance, leaders will have		
which AI risks	to grapple with figuring out who should be responsible for identifying and		
are incorporated	managing AI risks.		
into different	AI is difficult to track across the enterprise		
organizations'	As AI has become more critical to driving performance and as user-		
overarching	friendly machine-learning software has become increasingly viable, AI use		
enterprise risk management –	is becoming widespread and, in many institutions, decentralized across the enterprise, making it difficult for risk managers to track. Also, Al		
including, but	solutions are increasingly embedded in vendor-provided software,		
not limited to,	hardware, and software-enabled services deployed by individual business	Responder	
the	units, potentially introducing new, unchecked risks. A global product-sales	belongs to	
management of	organization, for example, might choose to take advantage of a new AI	ARDC and	
risks related to	feature offered in a monthly update to their vendor-provided customer-	UTS, but the	
cybersecurity,	relationship-management (CRM) package without realizing that it raises	views are	
privacy, and	new and diverse data-privacy and compliance risks in several of their	that of the	Gnana K
safety;	geographies.	responder	Bharathy

Compounding the challenge is the fact that AI risks cut across traditional
control areas—model, legal, data privacy, compliance, and reputational—
that are often siloed and not well coordinated.
AI risk management involves many design choices for firms without an
established risk-management function
Building capabilities in AI risk management from the ground up has its
advantages but also poses challenges. Without a legacy structure to build
upon, companies must make numerous design choices without a lot of
internal expertise, while trying to build the capability rapidly. What level
of MRM investment is appropriate, given the AI risk assessments across
the portfolio of AI applications? Should reputational risk management for
a a global organization be governed at headquarters or on a national
basis? How should we combine AI risk management with the
management of other risks, such as data privacy, cybersecurity, and data
ethics? These are just a few of the many choices that organizations must
make.
Models are different:
Model risk management (MRM) in regulated industries such as banking is
currently performed by dedicated and independent teams reporting to
the chief risk officer. While these firms have developed a robust MRM
approach to improve the governance and control of their critical models
determining capital requirements and lending decisions, this approach is
usually not ideal for firms with different requirements or in less heavily
regulated industries, for the following reasons:
MRM is typically based on a point-in-time model assessment (for
example, once every one to five years), which assumes that the models
are largely static between reviews. AI models learn from data, and their
logic changes when they are retrained to learn from new data. For
example, a fraud model is retrained weekly in order to adapt to new
scams.
Traditional MRM workflows are often sequential and require six to 12
weeks of review time after the model development is complete, which
delays deployment. These workflows are not easily adapted to the agile
and iterative development cycles frequently used in AI model
development.
MRM is often focused more on traditional risk types (primarily financial
risks, such as capital adequacy and credit risk) and may not fully cover the

new and more diverse risks arising from widespread use of AI such as reputational risk, consumer and conduct risk, and employee risk. Some applications and use cases, such as chatbots, natural-language processing, and HR analytics, can qualify as "models" under regulatory definitions used in banking. But these applications are very different from the traditional model types (for example, capital models, stress-testing models, and credit-risk models), and traditional MRM approaches are not easily applied. AI and machine-learning algorithms are often embedded in larger AI application systems, such as software-as-a-service (SaaS) offerings from vendors, in ways that are significantly more complex and more opaque than traditional models. This greatly complicates coordination between those who review the model and those who assess the application and platform (IT risk) or the vendor (third-party risk).			
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	There are no frameworks for management of AI based risks. However, as we will explain later, there are frameworks in releated fields such as as well as cybersecurity, general risk etc that have some features to accommodate AI based risk.		
5. Standards, frameworks, models, methodologies, tools, guidelines and best practices, and principles to identify, assess, prioritize, mitigate, or communicate Al risk and whether any currently meet the minimum attributes described above;	We have compared the framework as shown in the later question. At a high (proverbial 50,000ft) level, all risk frameworks have comparable features by sharing similar cardinal activities of risk identification, measurement, mitigation, reporting/ communication and monitoring, and governance. A governance framework, while not being a risk management framework, also allow for similar activities. Truth is that none of them are actually adequate to cover AI risks. Instead, organizations are managing risks through policies and rules by the seat of their pants. These are very reactive, responding to external legislations such as privacy and security. However, most frameworks allow for the above list of attributes to be consensus driven, adaptable, risk based, outcome focused, voluntary and so on. NIST spells out its views about what features the AI RMF should have as: be concensus-driven, providing common definitions, using plain language, be adaptable, be risk-based, outcome-focused, voluntary, and non-prescriptive, be readily usable as part of any enterprise's broader risk management strategy, be a living document. While all of these are great suggestions, a specific conceptual model or reference framework would help ground the elicitation. Having a framework more specific to AI would allow for more structured collection of comments.	Responder belongs to ARDC and UTS, but the views are that of the responder	Gnana K Bharathy

6. How current regulatory or regulatory reporting requirements (e.g., local, state, national, international) relate to the use of AI standards, frameworks, models, models,	There are multiple ways to govern potential risks and any risk management framework should be tailored to each contexts, including but not limited to the domain, the type of Al being developed, the data available, what or who is at stake and who is at risk and so on. There are a number of risk management frameworks found in the literature, including those for financial risk, chemical process risk, nuclear risk, cyber security risk, health risk, construction or project risk, and so on. E.g. COSO ERM, ISO 31000 risk management guidelines, the AS/NZS 4360 standard and the Canadian Framework for the Management of Risk. None of these are directly used for AI related risk management. For that matter, AI RMF is not yet an official area of execution. However, AI is managed through general data, IT, and cyber security governance frameworks. These may include definitions, inventory, policy/standards, and framework, including controls. Obviously, NIST itself has a Cybersecurity Framework (Joint Task Force, 2018) that supports NIST's security and privacy risk management standards, guidelines, and practices. These examples include support for an Enterprise Risk Management (ERM) approach in alignment with OMB and FISMA requirements that agency heads "manage risk commensurate with the magnitude of harm that would result from unauthorized access, use, disclosure, disruption, modification, or destruction of a federal information system or federal information." Similarly, NIST also offers various guidelines, an example of which is a guide entitled "Managing the information exchanges". This guide is about managing the information exchange lifecycle and process.	Responder belongs to	
	Joint Task Force (2018) Risk Management Framework for Information	•	
tools, guidelines and best	Systems and Organizations: A System Life Cycle Approach for Security and Privacy. (National Institute of Standards and Technology, Gaithersburg,	UTS, but the views are	
practices, and principles;	MD), NIST Special Publication (SP) 800-37, Rev. 2. https://doi.org/10.6028/NIST.SP.800-37r2	that of the responder	Gnana K Bharathy

	When looking for AI RMF solutions, existing regulatory and supervisory frameworks and standards are a good place start. According to National Science and Technology Council, AI-related risk "falls within the bounds of an existing regulatory regime, the policy discussion should start by considering whether the existing regulations already adequately address the risk, or whether they need to be adapted to the addition of AI."12 A recent report by the U.S. Department of the Treasury reaches a similar conclusion with regard to financial services.		
	When designing, AI specific risk models, tools and instruments, it is important to consider all dimensions that AI touches an organization, namely: (i) adoption, (ii) application, (iii) business model (iv) workforce transformation, and (v) regulation.		
	As mentioned earlier, there are a number of risk management frameworks found in the literature, including those for financial risk, chemical process risk, nuclear risk, cyber security risk, health risk, construction or project risk, and so on. At a broader, organizational level,		
7. Al risk	frameworks such as the COSO ERM, the ISO 31000 risk management guidelines, the AS/NZS 4360 standard and the framework for the Management of Risk – Canada exist (Raz & Hillson, 2005; Frigo &		
management standards, frameworks,	Anderson, 2014; Ahmad et al., 2014; Agarwal & Ansell, 2016) have been applied. Each RMF/ standards is geared towards a different purpose, but each also		
models, methodologies, tools, guidelines	provides a solution to a puzzle that AI Risk might encounter. The Committee of Sponsoring Organizations of the Treadway Commission (COSO) updated the ERM framework to promote better integration into		
and best practices, principles, and	business management. Owing to its business management (and less technical) role, COSO is abstract and conceptual. Some practioners claim that it lack in specificity sufficient to design implementation tools, audit		
practices which NIST should consider to	tests and other instruments of actual relevance (Rubino & Vitolla, 2014). In general, they address phases of the risk process at an abstract level and leave out more specific aspects related to the management of processes	Responder belongs to	
ensure that the AI RMF aligns with and	and the definition of policies and procedures. On the other hand, frameworks, standards and processes from technical disciplines tend to be more useful. For example, IT governance	ARDC and UTS, but the views are	
supports other efforts;	frameworks such as COBIT framework has control frameworks and expanding their reach (Ridley et al., 2004; Tuttle & Vandervelde, 2007;	that of the responder	Gnana K Bharathy

Rubino & Vitolla, 2012b and 2014a).

Similarly, engineering disciplines such as aeronautical, military, chemical and nuclear hazards and risk assessment is a very mature field and has actual resources that can really be implemented, as opposed to just talked about. These disciplines also introduce the concept of systems safety, rather than addressing just at component or siloed levels. However, there are some key limitations. The three traditional hazards in these industries, fire, explosion, and toxic release, attacks etc., have remained largely unchanged for many years and the assessment and management techniques reflect this stability. This is not a luxury that AI would offer.

Systems Engineering, and Systems Sciences disciplines bring a serious, integrated perspective to risk, that is hitherto ignored in financial and enterprise risks, and even under-represented in cybersecurity frameworks.

Most accident investigation and analysis rests on the use of event-chain models, i.e., the accident causation is described as a chain of failure events and human errors that led up to the actual loss event. Such models are limited in their ability to handle system accidents (arising from dysfunctional interactions among components and not just component failures), software-related accidents, complex human decision-making, and system adaptation or migration toward an accident over time. In response to the limitation of event chain models, models based on systems theory have been proposed for use in accident analysis (see, for example Rasmussen (1997). STAMP (Systems-Theoretic Accident Modeling and Processes) is one such model that has been proposed (Levenson et.al., 2003).

In contrast to largely mono-causal linear models, system models treat accidents as being coproduced from the systems component interactions as well as deviant behaviour of the system. This approach is particularly useful for understanding as well as intervening in the system to reduce accident rates.

When comparing to mature industry risk models, one of the most important distinction for AI is that not all potential hazards and consequences are knowable now—the framework and tools should be continually vigilant for new issues in the rapidly evolving area of AI. Therefore, it is necessary to create a new tools and frameworks that would suit the AI case, but not from scratch. These existing tools can

contribute to tools in the AI RMF domain. From the practice side, most consulting organizations have discussed AI risk. Oftentimes, they propose a framework to address the risk. In most cases, this is simply a summary of cyber security risk. Nonetheless, McKinsey's AI risk management framework is well aligned to the AI/ ML life cycle, with stages such as (1) Ideation, (2) Data Acquisition, (3) Model Development and (4) Industrialization, Monitoring and Maintenance. There are cardinal questions in each stage. For example, determination of bias, setting up a team to manage bias as well as regulatory guidance. It also assesses maturity at the start, at the ideation stage. Similarly data sourcing begs questions that helps define which data sets are "off-limits" (for example, because of personal-privacy considerations) and which bias tests are required. In the Model development, the focus is on the selection of the appropriate method for transparency and interpretability. In order to manage risks in productionization, the framework recommend to define the monitoring requirements. While these are systematic, it essentially consists of two risks talked about in the AI field, namely biases and productionization. In that sense, the framework is not novel, but is a good starting point. https://www.mckinsey.com/business-functions/mckinsey-analytics/our- insights/derisking-ai-by-design-how-to-build-risk-management-into-ai- development	

	Measuring costs and benefits, and assessing the issues relating to inclusiveness is just one of the many issues plaguing AI risk. There is belief that cognitive diversity in AI teams would bring considerable level of controls or self-governance. It is also that inclusiveness, apart from its moral stance, could help rectify concerns pertaining to included stakeholders. Some start-ups are already developing tools for managing AI Risk, but early versions are likely to be a version of compliance tools or checklists. For example, Fairly promotes itself as AI Governance, Risk, and Control (GRC) solution. The WHO has recently published a guidance on Ethics & Governance of Artificial Intelligence for Health. It states that AI already helps to quickly diagnose disease, assists with clinical care, strengthens research and drug development, and supports public health interventions such as outbreak responses. But it also cautions against overestimating AI's benefits in		
8. How	health and the unethical gathering and use of health data, biases in		
organizations	algorithms and risks to patient safety, cybersecurity and the environment.		
take into	The WHO report provides six principles for use in regulation and		
account benefits	governance of AI in health:		
and issues			
related to	Protecting human autonomy, Promoting human well-being and safety		
inclusiveness in	and the public interest, Ensuring transparency, explainability and		
AI design,	intelligibility, Fostering responsibility and accountability, Ensuring		
development,	inclusiveness and equity, and Promoting AI that is responsive and		
use and	sustainable.		
evaluation – and			
how AI design	That said, those who participate in the AI workforce are increasingly		
and	getting skewed in distribution. Some academics believe that;		
development	'technological progress is going to leave behind some people, perhaps		
may be carried	even a lot of people, as it races ahead. There has never been a worse		
out in a way	time to be a worker with only 'ordinary' skills and abilities to offer	Pospondor	
that reduces or manages the	(Brynjolfsson, Ford and McAfee. 2012).' At present, the rules that preside over AI technology revolve around the	Responder belongs to	
risk of potential	idea that whoever developed the technology, has complete autonomy	ARDC and	
negative impact	and control over how it can be used and where it can be implemented. If	UTS, but the	
on individuals,	we wish to ensure that AI technology is distributed fairly amongst	views are	
groups, and	societies, we must begin seeing AI systems not as private commodities,	that of the	Gnana K
society.	but instead as a potential benefit that can improve the quality of life for	responder	Bharathy

all of humanity. For such perspectives to prevail, it is fundamental that government agencies around the world begin developing and implementing national public policies that support such initiatives. By implementing universal measures as such, the international arena is unifying as one when it declares AI technology as a humanistic right, regardless of one's location, race, culture, nationality, colour or social class. Recently, given the court ruling that AIs cannot patent their inventions, so whatever an AI output is, it's not going to be easy to legally control.		
NIST spells out its views about what features the AI RMF should have as:	Responder	
be concensus-driven, providing common definitiions, using plain	belongs to ARDC and	
language he adaptable he risk-based outcome-tocused voluptary and		
language, be adaptable, be risk-based, outcome-focused, voluntary, and		
non-prescriptive, be readily usable as part of any enterprise's broader risk	UTS, but the	
		Gnana K

Framework.			
(See above, "AI			
RMF			
Development			
and			
Attributes");			
10. Effective	We need to establish a baseline (table stakes) for AI risk management.		
ways to	This would include any technology risk management with associated		
structure the	frameworks. The existing approach to risk has been well discussed in		
Framework to	Aven (2006). There is no need to reinvent the wheel there. As we know,		
achieve the	the risk should also be integrated with organizational process. Systemic		
desired goals,	risk models which examined the idea that systems failures, rather than		
including, but	just human failure, were a major contributor to accidents (Hollnagel,		
not limited to,	2004) began to address some of these issues (but not non-linear		
integrating AI	concepts) and recognised that events do not happen in isolation of the		
risk	systemic environment in which they occur.		
management	There are two key factors that often determine risk: technology factors		
processes with	with inherent nature of risk, and the human and organizational factors		
organizational	that often makes it worse. What Leveson realized is that when complexity		
processes for	is high within a system. This is because will be in social or socio-technical		
developing	systems such as AI, the traditional approach loses its effectiveness. Even		
products and	when components are seemingly risk free, the interactions could create		
services for	new risk, and increase the risk levels significantly. Typically, in risk,		
better outcomes	machines are more reliable and are protected from human operators.		
in terms of	With a seemingly purposeful entity such as AI, this may not be the case.		
trustworthiness	There are always multiple goals and constraints for any organizational		
and	system — the challenge in design and risk management of AI is to identify		
management of	and analyze the conflicts, to make appropriate tradeoffs among the		
Al risks.	conflicting requirements and constraints, and to find ways to increase		
Respondents	system safety without decreasing system reliability.	Responder	
are asked to	Siloe in the organizations may not just lead to sub-optimal performance,	belongs to	
identify any	but also increase the risk in complex sociotechnical systems where AIs are	ARDC and	
current models	built and embedded. Each local siloes may act optimally in their limited	UTS, but the	
which would be	context but together they could perpetuate larger risks in dysfunctional	views are	
effective. These	ways.	that of the	Gnana K
could include –	Therefore, the current frameworks, systems and tools would be far from	responder	Bharathy

but are not limited to - the NISTsufficient to keep up with the amount of complexity we want to build into AI.NIST Cybersecurity Framework or Privacy Framework, cannot be mixed, as they have completely different mathematical and statistical characteristics (Barta & Görcsi, 2021). Most risk management processes coming from accounting, finance or legal are driven towards compliance, trying to tackle the white swans mostly, and perhaps some well-known grey swans.adago offer options for developing profilesAl.prolies outcomes, functions, categories and subcategories and also offer options for developing profilesAl.profiles reflecting current and desired approaches as well as tiers to desired approaches as well as tiers to desired andSince (2021). Risk management considerations, for actions, for (2006) Risk assessment and risk management considerations for artificial intelligence business applications. International Journal of Economics and Business Research, 21(1), 87–106. https://doi.org/10.1504/JJEBR.2021.112012		
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11. How the Framework could be developed to advance the recruitment, hiring, development, and retention of a knowledgeable and skilled workforce necessary to perform Al- related functions within organizations.	Firstly recruitment, hiring, development, and retention of AI related workforce is occurs through a 1-dimensional approach at present, and the trend is only getting acute and worse. The industry appears to recruit two types of talents: Work-horses/ Doers: Those who can actually develop and deliver AI are recruited almost entirely from talented pool of coders (programmers) and the AI problem is pushed to become an engineering problem. Here, the effort is being made to avoid recruiting those with broader skillsets. Leaders: There have been some attempts to move leaders laterally into AI domain. Here, effort is being made to avoid those with technical skills, but those who have the necessary leadership skills. This has created a chasm between leaders and do-ers, and this has long standing implications. Firstly, there is a need for mentorship roles in AI development. A mentor is someone who can direct the technical team, but also could speak the language of the leadership, and translate the requirements or vision. Secondly, the team of doers need to be a broader set. At the very least, one could separate the skills based on the stage of the AI project lifecycle: Ideators, data wranglers, model developers, deployment specialists. Many of the core technical skills required for AI development are familiar to practitioners, researchers and personnel working with AI. Some elements that are missing: Of particular importance is recognising the role of findable, accessible, interoperable and reusable (FAIR) data and software skills to address the disparate nature of data, especially interoperability of data across disciplines. The key to sustainability is recognising the proper investment in communities and AI excellence.	Responder belongs to ARDC and UTS, but the views are that of the responder	Gnana K Bharathy
12. The extent to which the Framework should include governance issues, including but not limited to make up of design and	The governance issues are inextricably linked to risk. The frameworks also are related. A good example is the AI Governance Framework developed by Singapore. In January 2019, Singapore's Model AI Governance Framework has addressed ethical issues in a practical manner, and could be employed as part of AI Risk Framework. The framework considers internal governance structures and measures, determining the level of human involvement in AI-Augmented Decision-Making, Operations Management and Stakeholder Interactions and Communications.	Responder belongs to ARDC and UTS, but the views are that of the responder	Gnana K Bharathy

development	
teams,	
monitoring and	
evaluation, and	
grievance and	
redress.	