Email	climatereportingconsultation@treasury.gov.au
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Cover letter

I am grateful for the opportunity to respond to the Treasury-led consultation on Climate Related Financial Disclosure. A biologist, carbon management specialist, certified ESG and TCFD professional, and chartered accountant, the growth in interest in sustainability and latterly related standards and frameworks has been a practical and career interest of mine since before the Earth Summit in 1992.

I am supportive of the Federal Government's drive to enhance the climate related disclosures of significant financial market actors and is right to consider mandating requirements in order to level the playing field within Australia, and to seek harmonisation with emerging practices internationally. Practical experience in the ESG field over a number of years persuades me that mandatory measures are the fastest way to deliver the necessary data on which financial markets will depend to implement their expertise in capital allocation.

I highlight the importance of the ongoing debate around the appropriate form of materiality, and the consequences for the overall regime which follows. My responses indicate a clear preference for the framework and legislation not just to recognise, but to require, consideration of 'double materiality': that is, both the impact of the environment and climate change on the firm and investment returns, but critically the impact of the firm on the natural world. The reasons could not be clearer than those outlined in the recent report, *Australia: State of the Environment 2021*. It is my view that even if the framework began with single materiality, with high probability over time it would need to move to double materiality to meet international expectations.

Likewise recommend the adoption of the Precautionary principle in developing the legislation.

Also I note that transitioning from TCFD, which is compatible with double materiality, to ISSB which rejects it, is both a recipe for confusion. In my view it would be a retrograde step in theory, and practice given the importance to Australia of a European market whose regulators have adopted double materiality as a foundational principle. It introduces a lock in that may ultimately reduce agility and flexibility in the face of emerging needs.

I also highlight that the impact of the firm on the environment, and consequently the reporting of climate change information, is of interest to a much wider constituency of users than mere owners of the firm and their equivalent. I urge caution in aligning sustainability reporting exclusively or too closely with the primary users of General Purpose Financial Statements. I consider that adopting this narrow focus would be detrimental to the wider objectives of the initiative on foot.

My detailed responses to the consultation are provided in the Appendix to this letter and I welcome further discussion on any of the points raised.

Yours sincerely

Nigel Haskins, MA FCA MBA MSc AAICD AIEMA

APPENDIX:

Detailed responses by Sustainability Victoria

Ref	Question	Sustainability Victoria Response
1	What are the costs and benefits of Australia aligning with international practice on climate-related financial risk disclosure (including mandatory reporting for certain entities)?	Please see responses to 1.1 and 1.2.
1.1	What are the costs and benefits of meeting existing climate reporting expectations?	Costs: Education Organisational capability enhancement Administration (including all aspects of data collection analysis and reporting), and Opportunity costs. Benefits: Improved access to and lower costs of international capital, which will transmit at some level to domestic financing. The potential for comparative analysis to enhance sector knowledge and competitiveness domestically and internationally at least through the early stages (given most standards are relatively un-nuanced). Currently these benefits will be small, increasing over time - perhaps rapidly and even discontinuously as sustainability standards become more rigorous.
1.2	What are the costs and benefits of Australia not aligning with international practice and in particular global baseline standards for climate reporting?	 Progressive restrictions in access to and/ or elevation of cost of capital over time, possibly rapidly, potentially discontinuously. Potential limitations on market access, either directly or via mechanisms including border adjustment mechanisms. Reduction in economic activity especially in high impact and high risk activities from the above. Potential increased economic imposts from dual reporting for entities with overseas activities. Reputational impacts on particular entities, sectors or the whole Australian economy where replacement practices do not measure up to international good practice. Benefits: Flexibility to tune international reference standards to perceived particularities or peculiarities of the Australian market. Potential short term competitive financial advantage for Australian manufacturers, especially in high intensity sectors, particularly where not trade exposed. Potential for Australian Standards to lead and set benchmarks, although we consider that this might be true in limited circumstances.
2	Should Australia adopt a phased approach to climate disclosure, with the first report for initially covered entities being financial year 2024-25?	Phased Approach: The task is urgent and requires a rapid response given developments in other jurisdictions. Pragmatically I support a phased approach, however only to the extent of preparing for implementation and not for bargaining or special pleading.

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		I note the potential need for significant up-scaling and up-skilling in required capabilities, which may be expensive over the short term.
		First Period 2024/25: Full implementation for the year ended 30 June 2025 provides adequate time, in my view, for those affected to fully prepare. This view is informed by developments elsewhere and the many obvious market signals both national and international that pace is preferable to perfection.
2.1	What considerations should apply to determining the cohorts covered in subsequent phases of mandatory disclosure, and the timing of future phases?	Future Cohorts: Australia should seek to align its cohorts against peer countries, notably key trading markets, to minimise trade disruption and/ or arbitrage opportunities that deliver economic waste and/ or social and environmental disruption. As early as is feasible, entities and/ or sectors with the highest impact on the environment (land, water, air) should be brought into the regime. Ideally, cohorts would align with the emerging Green Taxonomy under the proposed ASFI Sustainable Finance Roadmap, so that 'brown' and transitional' sectors are captured before 'green' Mandatory reporting should encompass all sectors (listed, unlisted, public) and all industry sectors. For convenience, ATO definitions of medium and large entity can be used as a proxy for economic importance: https://www.ato.gov.au/tax-professionals/prepare-and-lodge/tax-agent-lodgment-program/tax-returns-by-client-type/large-and-medium-taxpayers/ Timing of Future Phases: Given the scale of the problem and the urgency with which progress needs to be achieved, implementation should be planned as a very rapid program of follow-on phases. Ideally future cohorts should match international pacing as comprehensively as possible (e.g., by considering a standardised indicator such as ANZSIC) All entities in scope should be phased in before the beginning of FY2029-30, so that immediate gap analysis can be assessed with the fullest data set that can be achieved from 2030 onwards. Comprehensive signalling with appropriate support for business may be required.
3	To which entities should mandatory climate disclosures apply initially?	I do not consider that ownership (private, listed, or public) is a material criterion for mandatory reporting; nor is the legal form of the entity. Nevertheless, for practical reasons, I suggest that all listed entities headquartered, or with significant operations, in Australia should be included from the earliest stages. To the extent that they are not the same, all financial institutions (for the avoidance of doubt, including non-bank actors – insurance/ re-insurance firms, wealth management firms, retirement savings firms, private equity and hedge fund firms, and others of a similar ilk) that qualify as medium sized or larger (see above) should be included from inception. The objective of this selection is to cast as broad a net over the financial markets as is feasible.

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		Government has a key leadership role as signaller, participant, and enabler. Government Departments meeting ATO large size criteria should be included from inception.
3.1	What size thresholds would be appropriate to determine a large, listed entity and a large financial institution, respectively?	Existing ATO thresholds would obviate the need for further work. See responses to Q2.1 and Q3.
3.2	Are there any other types of entities (that is, apart from large, listed entities and financial institutions) that should be included in the initial phase?	Carbon intensive entities that pose the greatest transition risk, and entities that are exposed to physical climate risk to assets (in particular public/private infrastructure entities).
4	Should Australia seek to align our climate reporting requirements with the global baseline envisaged by the International Sustainability Board?	International alignment is desirable in principle. However (1) the ISSB has adopted a concept of materiality that is problematic, as outlined in responses below and (2) the ISSB has adopted a definition of sustainability that is so complex and circular that it amounts to a diminution in the state of human knowledge. Gro Harlem Brundtland said more, better, in fewer words.
		The impact is likely to be degradation of potential standards.
4.1	Are there particular considerations that should apply in the Australian context regarding the ISSB implementation of disclosures relating to: governance, strategy, risk management and/or metrics and targets?	Yes. Australian capital is sourced from territories that have embedded the double materiality concept into the supporting legislative framework and this must be enacted in Federal legislation, in my =view. It would be a perverse outcome of any sustainability framework for a firm with a significant impact on the environment, but which does not itself suffer material financial consequences from those impacts, to be in some way considered sustainable.
4.2	Are the climate disclosure standards being issued by the ISSB the most appropriate for entities in Australia, or should alternative standards be considered?	I consider it to be against the long-term best interests of society in Australia and elsewhere to depart from leading international thought. The ISSB conception of materiality is problematic. ISSB has explicitly rejected the concept of 'double materiality', while the TCFD framework is compatible with it. Transitioning over time from TCFD to ISSB may therefore be confusing and seen as a retrograde step. Furthermore the supporting standards for the Federal legislation create a lock-in that could potentially reduce future flexibility. A comparison of ISSB standards to emerging European standards, which also adopt 'double materiality' as a principle, suggests that firms active in or trading significantly with Europe may need to comply with multiple sets of requirements with resulting additional compliance costs. I note the significance of European markets to the Australian economy. I suggest that Australia adopt standards that allow (with minimal reconfiguration) reporting under double or, if required in key jurisdictions single materiality and this should be a key guiding principle for the legislation.
5	What are the key considerations that should inform the design of a new regulatory framework, in particular when setting overarching climate disclosure obligations	Key considerations should include:

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	(strategy, governance, risk management and targets)?	 the importance of building on existing leadership in climate risk disclosure in Australia; and strengthening coverage across the economy.
6	Where should new climate reporting requirements be situated in relation to other periodic reporting requirements? For instance, should they continue to be included in an operating and financial review, or in an alternative separate report included as part of the annual report?	I support the intent of the Integrated Reporting Initiative to avoid the risk of a siloed approach and considers that as a minimum a well sign-posted integrated report should be provided annually. However, integrating sustainability information to financial information alone may disenfranchise stakeholders who wish to gain access to relevant information and consequently I consider that the sustainability report should also be available as a separate resource. Since many firms publish sustainability information on their websites, the resulting incremental cost need not be excessive; although in any event, in context with the costs of a degraded environment, financial cost should not be the central consideration.
7	What considerations should apply to materiality judgements when undertaking climate reporting, and what should be the reference point for materiality (for instance, should it align with ISSB guidance on materiality and is enterprise value a useful consideration)?	ISSB Materiality I am of the view that the 'materiality' as defined by the ISSB is not a suitable basis to guide climate reporting, since it considers only impacts on the firm (that is, it does not encompass double materiality). Bio-diversity loss is significant in Australia (Australia State of the Environment 2021). It would be a perverse outcome if rare and endangered species were sacrificed because of low incremental financial consequences of loss on a particular firm whose activities are detrimental to that species (especially if there were material actual or potential value derived from that same species by another firm, or society at large — say, a significant crop pollinator). Issues of judgement: user perspective The primary users of General Purpose Financial Statements are owners of capital (owners), lenders and their advisers. I consider sustainability disclosures to be not only useful to but essential for a wider range of stakeholders with interests other than the preservation of particular entity financial value. Put differently, it is part of the social licence to operate that an entity should behave and be seen, verifiably, to behave in the ways required by society including identifying, managing and reporting on their impacts on the environment, society and other parties. In essence, no firm can be considered responsible if it does not attend to its role in the system as a whole. Enterprise value It follows from the above that the value of a particular enterprise is an interesting statistic that may be a relevant guide to materiality for some purposes but is not the only consideration. The impact of a firm on the environment may affect natural capital value and / or the value of other entities to a much greater extent than is measured by its own enterprise value.
8	What level of assurance should be required for climate disclosures, who should provide assurance (for instance, auditor of the financial report or other expert), and should assurance providers be subject to independence and quality management standards?	Level of Assurance An important step in avoiding greenwashing is external verification. Verification should ultimately be mandatory for all entities, even if the introduction of verification and assurance is staged. Bodies such as the Institute for Environmental Management and Assessment, an international body, might be a suitable organisation for developing assurance standards and / or providing services.

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		Quality Assurance standards require global interoperability in the same way as reporting standards.
		I suggest that any audit regime include a stress test component.
		Assurance Provider As a former auditor I not have confidence that the financial auditing profession as it is currently structured and operated is an appropriate vehicle for providing assurance across fields that span both finance and sustainability.
		My view is that sustainability data needs to be audited by distinct professionals with specific expertise. I am informed in this view by the potentially catastrophic consequences attendant on significant or escalating climate change which have the potential for extraordinarily wide, compounding impacts - which financial auditing professionals are in no way equipped to assess.
9	What considerations should apply to requirements to report emissions (Scope 1, 2 and 3) including use of any relevant Australian emissions reporting frameworks?	Given the general acceptance of the Greenhouse Gas protocol worldwide, compliance with this framework is a pre-requisite. All entities must provide Scope 1 and 2 reports (refer also Q6).
		Scope 3 I understand that Scope 3 emissions may be the most significant emissions for some firms, and also acknowledge the technical difficulties of calculating some scope 3 emissions.
		I am in favour of progressive capture and reporting of Scope 3 emissions where robust methodologies exist or good proxies can be identified. Consideration could be given, in time, to how a carbon value added framework that operates along the lines of the GST framework could make data more readily estimable, especially for smaller entities, since it would prevent overlaps in supply chain emissions and some double counting of Scope 1/2 and Scope 3 emissions.
		Australian reporting frameworks To the extent that guidance exists satisfying GHG Protocol compliance, I see no reason why existing Australian frameworks cannot be adopted. However there may be important international comparability and operability questions that many larger or trade exposed entities need to consider.
10	Should a common baseline of metrics be defined so that there is a degree of consistency between disclosures, including industry-specific metrics?	Yes. Compliance with the GHG Protocol framework would be a straightforward way to introduce key metrics and maintain comparability at any scale.
		Local, specific, computational factors are preferable to generic or global factors, where they are available, provided the factors are verified and robust. However, for reasons of interoperability, standardised warming potentials for key gases should be used.
11	What considerations should apply to ensure covered entities provide transparent information about how they are managing climate related risks, including what transition plans	Published Targets I support the imposition of mandatory requirements for published Science Based Targets by all included entities from inception, alongside clear exposition of their trajectories.
	they have in place and any use of greenhouse gas emissions offsets to meet their published targets?	Provision of transparent information As a certified TCFD and ESG professional I consider that the adoption of the TCFD framework provides adequate information guidance and

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		framing, will support early implementation, and incorporates the concept of double materiality.
		There is scope additionally for included entities to report using the assessment criteria from Australian Green Taxonomy (under development).
		Offsets I am generally against the use of offsets preferring elimination and substitution to mitigation. I am particularly concerned in relation to the potential use of 'Biodiversity offsets', given the generally non-fungible nature of ecosystems and species adapted to a locale (in contrast to GHG emissions) (see also Q7).
		The imposition of mandatory and tightening climate-related regulation around the world is likely to lead to high growth in offset demand and consequential pressure on underlying quality and availability. There is plenty of evidence of offset schemes in Australia and elsewhere which are a sham at worst and insecure at best. I am concerned at the potential for carbon insolvency, given the elevated risk of fire and flood that might undermine efforts to 'hedge' or 'insure' carbon removal by natural means, since it needs to be 100 years certain to be meaningful.
		I would not disallow offsets initially but would want to see the full disclosure of the number, value, source, type and verification status of any and all offsets deployed by an organisation.
		Any plan for emissions trajectories must include the steps the organisation will take to eliminate the use of offsets.
12	Should particular disclosure requirements and/or assurance of those requirements commence in	The general ease of reporting of Scope 1 and 2 emissions means that they can and should be reported and verified from inception.
	different phases, and why?	The challenges of reporting Scope 3 suggest a phased implementation. I would prefer firms to address their Scope 3 emissions and report them unverified and manage impacts on that basis, rather than requiring verification and robustness to interfere with understanding. As a former ESG researcher and index designer, I would argue any data is better than none and qualitative data differences can be adequately catered for in investment analysis.
		Verification of Scope 3 emissions should be strongly encouraged as early as is feasible, given the urgency of the climate crisis and need for swift action to build resilience into the financial system and Australian economy. The goal for 2029 must be to achieve well-articulated statements of verification that include substantial Scope 3 components.
13	Are there any specific capability or data challenges in the Australian context that should be considered when implementing new requirements?	Capability There may be gaps in understanding and ability at the organisational governance level that need attention, potentially through institutions such as Peak Bodies for specific industries or professions, as well as tertiary educational provision.
		The demand for new skills in sustainability reporting and verification will be high and organisations may not be skilled in understanding precisely what capabilities are required.
		Responding to the findings of any sustainability reporting process will require new skills in organisational management, in order that relevant action is taken in a coordinated way through the entire organisation:

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		businesses may face significant transformation in order to achieve circular and sustainable operations.
		Many organisations may need to consider how their existing processes and information systems will be able to capture, store, and report relevant data. I am encouraged that many major software vendors are incorporating supporting sustainability reporting tools. However existing installations may need possibly significant investment in upgrades in order to access those recent capabilities.
		Potentially amendments to data privacy laws allowing the free passage of climate change related data could ease the way to national digitisation and computation of some kinds of emissions data. These changes might also be necessary in order for financial institutions to monitor compliance for example with their clients' green loan provisions, and report financed emissions.
		Data Investment analysis is fundamentally dependent on data, much of which is not readily available in consumable form. Government data can and should be made available to the wider market on a consolidated basis to support those whose reporting obligations will require it. Examples might include household energy data supporting financed emissions disclosures.
		There are significant gaps in understanding all the interacting impacts of weaker sustainability practices across the social and natural sciences, in particular due to the difficulty of methodology and ethics.
		There are still many challenges in understanding the complexity of ecosystem composition and function and how that benefits humankind. For this reason, I strongly recommend adoption of the Precautionary Principle across frameworks addressing sustainability questions.
13.1	How and by whom might any data gaps be addressed?	The academic sector in Australia is well placed to identify and close many of these gaps. The first Australian climate change conference was held in 1987, led by academics from Monash. I am aware of very strong capabilities inside CSIRO, not least in developing natural capital frameworks for primary industries.
		The professional development (AICD and the like) and education sector (universities, TAFE and others) could be used to build capabilities required for the sustainability reporting sector, with the right support from industry and Government.
13.2	Are there any specific initiatives in comparable jurisdictions that may assist users and preparers of this information in addressing these challenges?	Europe has a range of mandatory requirements coming on stream. Intergovernmental engagement would rapidly identify a range of relevant initiatives.
		Internationally active entities are a source of useful information, given their potential need to deal with multiple existing regimes.
		See also the response to Q9, in relation to capturing emissions impacts through the supply chain using a 'value-added' framework.
14	Regarding any supporting information necessary to meet	Yes.
	required disclosures (for instance, climate scenarios), is there a case for a particular entity or entities to provide that information and the governance of such information?	I suggest developing this capability within CSIRO as they already use climate scenarios and have access to best available science from the IPCC and their own climate modelling. Note that this would require some investment in knowledge translation to ensure that entities are provided

Ref	Question	Sustainability Victoria Response
		with accessible data and information, as well as potential legal and governance guidance, to support their disclosures.
15	How suitable are the 'reasonable grounds' requirements and disclosures of uncertainties or assumptions in the context of climate reporting? Are there other tests or measures that could be considered to ensure liability is proportionate to inherent uncertainty within some required climate disclosures?	The 'reasonable grounds' provisions may be adequate. Clarification will be required of what good practices give rise to 'reasonable grounds', however (for example, the use of data and scenarios from an authoritative body- see Q14). In addition, the requirement to adopt (and disclose the results of) 'stress tests' as a part of reporting and verification procedures may be helpful in providing comfort to interested parties that reported results lie within rational, objective, and comparable boundaries. Note that relative performance is extremely valuable for investors to identify, as much as absolute. However to increase confidence and security to disclosers, particularly in the earlier phases to 2029, I strongly recommend adopting 'safe harbour' provisions, incorporating a sunset clause that removes the safety net after a period.
		Given the practical difficulties with Scope 3 reporting, safe harbour provisions if adopted could be progressively unwound, and retained only for areas of persistent technical difficulty or contentiousness within Scope 3.
16	Are there particular considerations for how other reporting obligations (including continuous disclosure and fundraising documents) would interact with new climate reporting requirements and how should these interactions be addressed?	I suggest that the 'continuous disclosure' regime imposed on listed firms would be appropriate for all listed, or significant private, entities and financial institutions covered by the regime in order that the market and other interested parties are informed appropriately on a routine and timely basis. I am encouraged by the development and use of technologies that can continuously and remotely monitor key environmental variables, which can be assessed over time and used for reporting over any periodicity, particularly through digital reporting tools. I suggest that the emerging frameworks and understandings of fiduciary duties of Directors, Trustees, financial intermediaries will drive disclosure of risk assessments and climate change data into all capital raising
		processes and documentation without the need for additional intervention from Government; save only that individuals as investors may need protections in the event of failings in information provision for public offerings and other less conventional ways of raising capital from the wider populace (including into, and from, overseas).
17	While the focus of this reform is on climate reporting, how much should flexibility to incorporate the growth of other sustainability reporting be considered in the practical design of these reforms?	Full flexibility is desirable. The impacts of climate change are multi-focal, with (for example) social disruption and bio-diversity loss as key considerations. Any framework must be able to grow as understanding deepens.
18	Should digital reporting be mandated for sustainability risk reporting? What are the barriers and costs for implementing digital reporting?	Mandatory Digital Risk Reporting: There have been efforts to move business to digitally enhanced reporting (for example, through XBRL). In general, mechanisms enhancing information availability through these mechanisms and others, including block chain, is helpful and may be desirable.
		However, I do not believe that it is necessary to mandate digital reporting in order to make progress, especially in the short term.

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		Technical infrastructure may not be in place Cyber Risks may become more significant While standards are undergoing rapid development, there are likely to be continuing costs for business investment, which may be significant, in order to keep up to date.
19	Which of the potential structures presented (or any other) would best improve the effectiveness and efficiency of the financial reporting system, including to support introduction of climate related risk reporting? Why?	Rationale: I consider that sustainability is a distinct and multi-disciplinary specialism unlikely to be adequately represented in those responsible hitherto for accounting standards. I suggest that there is a risk that powerful global bodies focused on enterprise financial performance may contaminate, trade off and weaken sustainability reporting unless those standards are given appropriate stature. Structure 2 is readily formed from existing structures and can quickly adopt and concentrate existing work of the existing AASB. A separate Board would provide a better focused vehicle for elevating sustainability concerns with other similarly focused bodies such as those at the ISSB, better enabling a focused international coalition of interest to serve the financial and sustainability community through alignment and common understanding. In particular there is the potential for a stronger debate between established boards of equal standing to address sustainability issues of concern, and be less affected by influential voices/ coalitions of influence/committee composition, than a single Board. I consider that there is a risk that structure one will not elevate sustainability thinking adequately in its formative stages, or be adaptive enough in subsequent stages, to be a credible basis for effective standard setting. I consider that structure 3, while potentially becoming an ultimate goal, will result in significant delay to the establishment of a workable standards regime.