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Taskforce on Nature: PEDBACK ON DRAFT SECTOR GUIDANCE: METALS & MINING

Indications: the first part of the comments is visible once you open this sheet, the comments on the metrics follow below.

Link of the draft sector guidance: https://tnfd.global/wp-content/uploads/2023/12/Draft_Sector-Guidance_Metals-and-Mining_Dec_2023.pdf?v=1701945335

lumber of companies of the metals and mining ector that submitted comments

Number of comments

GENERAL COMMENTS ON THE DISCUSSION DOCUMENT:

	Topic	QUESTIONS	TS ON THE DISCUSSION DOCUMENT: RESPONSE				
	торис	Does the form and structure of this guide support your understanding of how the LEAP approach applies in your sector?	Yes.				
		Do you agree with the additional guidance offered in the Scoping guide? Are they enough? If you have comments on this, please post them.	As companies advance and mature their TNFD reporting, they should strengthen supplier mapping.				
		Do you agree with the additional guidance offered by the guide for "L1"? Are they enough? If you have comments on this, please post them.	It would be very useful to offer a methodology for the value chain, prioritizing which suppliers and clients to evaluate according to their risks. If not, the topic very broad and untilisely to be evaluated effectively. For multinational companies with several operations, it will take considerable time to "build" the polygon that includes the main and supporting processes included in section 1.1 in addition, these interface polygons with nature will be variable depending on the phase of the mining project (exploration, exploitation, closurue, etc.). From the construction materials sector it is believed that, although the generality described in section 1.1 applies to this sector, Table 3 on "Examples of commercial activities in direct operations of metallurigical and mining organizations that can interact with nature", it excludes the sector when it names activities that are not generated in it, such as in shu leaching mining methods, reprocessing/valorization of mineral waste, heap leaching, storage and transportation of diagnerous substances, processing areas, tailings storage facilities (all forms, including dry-stacked and coal slag), deepwater tailings placement, among others.				
		Do you agree with the additional guidance offered by the guide for "1.2"? Are they enough? If you have comments on this, please post them.	There is no agreement with the reference "Landscape approach – High Conservation Value assessment", since it does not offer a methodological guide so that the company can follow and apply to its need but rather it offers an evaluation service according to the selection of one of the consultants/advisors associated with HVC. This limits the company's freedom of choice and does not guarantee ceilings or limits on the costs of the evaluation service. https://www.hcvnetwork.org/find-assessors				
		Should the guidelines for "1,2" show the possible impacts of the sector taking into account the impact drivers and eccosystem services such as those shown in the guide for the oil & gas sector (p. 8 and p. 9) and in that of energy generators (p. 9 and p. 10)?	Yes, the possible impacts of the sector should be shown, as in the Oil&gas guides and in the energy generators guide. It is necessary to disaggregate these mining sector guides by mining subgroups, for example one specific to the construction materials sector.				
		Do you agree with the additional guidance offered by the guide for "L3"? Are they enough? If you have comments on this, please post them.	A model should be established with georeferenced information systems to measure value chains according to the biomes and byproducts used in them in order to assess dependency and risks.				
1	ABOUTTHE LEAP APPROACH	Should "L3" provide a list of biomes with which the sector normally interacts, as presented in the oil & gas guides (p. 10), the food and agriculture guide (p. 14) and the forestry and paper guide? (p. 8)?	It is important to understand how to measure the value chain from the use of natural resources, and use for these the same methodology of strategic areas, coverage, as well as additional measures such as accreditations and environmental permits, policies, etc., generating monitoring models, and training in related areas, such as materials and purchasing. A list of biomes with common interaction of the sector should be shown, this simplifies reading the guide, avoids so much external referencing and focuses that as a sector. The guide needs to be simplified.				
		Should more tools be offered for "L3" apart from the one presented in Table 9 (p. 28)?	Yes, a single reference can be counterproductive. In addition, the use of the environmental zoning of each country could be mentioned.				
		Do you agree with the additional guidance offered by the guide for "L4"? Are they enough? If you have comments on this, please post them.	Yes, taking into account ecological integrity.				
		Do you agree with the additional guidance offered by the guide for "E1"? Are they enough? If you have comments on this, please post them.	Yes, they are sufficient, they can become comparable with the stages used in Colombia for the application of methodologies for environmental impact studies.				
		Do you agree with the additional guidance offered by the guide for "E2"? Are they enough? If you have comments on this, please post them.	Yes.				
		Do you agree with the additional guidance offered by the guide for "E3"? Are they enough? If you have comments on this, please post them.	Yes, they are sufficient, they can become comparable with the stages used in Colombia for the application of methodologies for environmental impact studies.				
		Do you agree with the additional guidance offered by the guide for "E4"? Are they enough? If you have comments on this, please post them.	Yes, however ENCORE is a tool that is valid and must be translated into Colombian functionality to ask these questions in a functional way for materiality analyzes of sustainability reports.				
		Do you agree with the additional guidance offered by the guide for "A1"? Are they enough? If you have additional comments, please post them.	Yes, but a third point could be added in the space of transition risks associated with changes in legislation in areas of importance for biodiversity that modify the conditions for extracting mining resources, for example, declarations of natural reserves, etc. Which would generate an impossibility to extract resource and would change the operational and financial dynamics of the company.				
		Do you agree with the additional guidance offered by the guide for "A2"? Are they enough? If you have comments on this, please post them.	This is an issue that depends on the internal risk management that each company has, it is appropriate to make suggestions but not "oblige" to have some type of specific mitigation measure to comply with.				
		Do you agree with the additional guidance provided in the guide for "A3"? Are they enough? If you have comments on this, please post them.	An example or pilot case is necessary where you can see how financial quantification was applied. That would greatly guide the internal teams of the compu				
		Do you agree with the additional guidance offered by the guide for "P1"? Are they enough? If you have comments on this, please post them.	Yes.				
		Are the tools associated in the guide useful?	Yes.				
		Which parts were most useful?	For the sections associated with the application of limits of the "boudaries" analysis and how to screen suppliers, one of the companies states that it is aligned with the prioritization criteria by Spend and by impact on nature.				
		How could it be made more useful in practice?	Several tables could be simplified. It would be nice if TNFD also prioritizes the tools to recommend, so many tools can be confusing.				
		What content was particularly insightful?	NR.				
2		Is there any material that you thought was unhelpful, confusing, or incorrect?	It is not clear how the financial quantification of dependencies can be done. Throughout the guide, help is offered to "identify" why the mining sector dependencies on nature, but reference sources that allow unifying the concession of value "price" of natural resources need to be clarified, this in order to standardize the criteria for the guide's applicants.				
		What additional content would be useful to include in the guide?	Practical examples of financial quantification of impacts and dependencies.				
3	INTERSECTORAL USE	Are there any materials that would be especially useful for other sectors?	Ecosystem services metrics.				
	COMMENTS ON THE PROPOSED METRICS IN THE DISCUSSION DOCUMENT (Annex 1):						
	Proposed guidan	ce on the application of global core disclosure metrics					

Do you agree with the proposed guidance?
Is the metric useful for reporting and management?
Is the metric useful for rebursen some limprowing its corporate strategy, its value proposition, or can it guide the development of innovative projects?
Is it within the company's capabilities to measure it? Driver of nature change Metric no. Core global indicator Core global metric Proposed guidance for the sector Source Response In reporting the core global disclosure metric, an organisation should refer to the ICMM Scope 3 Accounting and Reporting Guidance, whic provides a standardised framework for the calculation and reporting an organisation's Scope 3 emissions aligned with the GHO Protocol. e 3 it is understood that it is a metric that for rms, which is why it must be defined in more C1.0 GHG emissions In reporting the core global disclosure metric, an organisation should indicate land conserved under some form of formal protection. An organisation should break down the land restored by stage of restoration Agree in general terms, but with the primary information that companies have available today, there is no way to report and manage. Companies must hire and consult to apply a single land use change evaluation methodology; this can take several years and resources. tent of land/freshwater/ocean Extent of land/ ecosystem conserved or restored (km2), split into: • Voluntary; and • Required by statutes or regulation freshwater/ocean use change reporting the core global disclosure metric, an organisation should Include the:

1 Total volume (mS) of moderate and high impact spills to soil according
to the GRI 306-5 material spill classifications, including oil, fuel, wastes
chemicals etc.; and

Number of incidents of significant pollution to soil within the reporting
period associated with hazardous materials and waste management. ilings (unless a spill comes from a tailings facility), and mineral waste Jaunes unness a spilic comes from a taungs sacility), and mineral waste with acid rock drainage or metal leaching potential, should be reported under waste generated (C2.2), Any pollutants to water bodies from these sources should be reported under water pollution (C2.1). Emissions that may settle and become soil pollutants (e.g. dust) should be reported under non-GHG air pollutants (C2.4). It is necessary to include in the guide other sectors with a strong mining extraction component, such as the construction materials sector, and to incorporate specific and applicable GRI and SASB indicators. For example, for the construction materials sector the indicator that applies is EM-CM-150a.1 "Amount of waste generated, percentage hazardous, percentage recycled". GRI 306: Waste 2020 and SASB EM-MM150a.9 nts released to so type, referring to sector-specific guidance on types of pollutants. C2.0 split by type A significant incident is an incident that exceeds volu A significant incident is an incloent that exceeds volume and concentration limits of local regulatory requirements or industry-accepted codes, or is otherwise included in the entity's financial statements (e.g. due to resulting liabilities) or recorded by the entity as an incident required to be reported by local jurisdictions; or is an event that is significant in the judgement of the operator, even though it did not meet the criteria above. olume of water discharged (m3), ICMM Water Reporting: Goo practice guide (2nd Edition), discharged should be broken down by:

• Discharge destination category: surface water, groundwater, seawater C2.1 e companies report it to the environmental authorities of Colombia Individual Caregory: Surface water, groundwater, seal and third party; and
 Pollutant type category: high and low water discharge quality, as defined in ICMM Water Reporting Guidance. Concentrations of key pollutants in the wastewater discharged, by type o pollutant, referring to sector-specific guidance for types of pollutants; and • Temperature of water discharged, Weight of hazardous and non-hazardous waste generated by typ (tonnes), referring to sector-speci guidance for types of waste. eight of hazardous and non In reporting the type of waste, an organisation should include mineral waste and non-mineral waste. Mineral waste should include:

- Tailings and other sludges;

- Waste rock with metal leaching and/or acid rock drainage potential, hazardous waste (tonnes) disposed of, split into:

• Waste incinerated (with and withou It is not believed that this indicator should be approved for the construction materials sector. This sector would be able to report the SASB indicator EM-CM-150a.1 Amount of waste generated, percentage hazardous, percentage recycles Adapted from GRI 306: Waste 2020 and SASB EM-MM-150a C2 2 energy recovery);

• Waste sent to landfill; and

• Other disposal methods. radioactive material or asbestiform content; and • Overburden. An organisation should also report the composition of the waste diverte Weight of hazardous and non-hazardous waste (tonnes) diverted from landfill, split into waste: • Reused; • Recycled; and • Other recovery operations. Additional pollutants to report under this core global disclosure metric or each mine site include: • Carbon monoxide (CO), ground level ozone (O3) and hydrogen sulphid type:
Particulate matter (PM2.5 and/or PM10);
Nitrogen oxides (NO2, NO and he stations are generally not conditioned for this type of samples. (H2S); • Mercury (Hg); • ''Oh); It is not believed that this indicator should be approved for the construct Adapted from GRI 306: Waste • Lead (Pb); NO3);

*Volatile organic compounds (VOC or NMVOC);

*Sulphur oxides (SO2, SO, SO3, SOx); - Lead (Pt)
- Hydrogen (2) and
- Dust failout (under particulate matter).
- Categories of politunts are not mutually exclusive. For example, substances contained in PM10 must also be reported where applie in other categories. Quantitative concentration of non-GH0 air politude measured by morth and then annually by the company. materials sector. This sector would be able to report the SASB indicator EM-M-CM-120a.1 Air emissions of the following pollutants: (1)NOx (excluding N2O), (2) SOX, (3) particulate matter (PM10), (4) dioxins/furans, (5) volatile organic compounds (VOCs), (6) polycyclic aromatic hydrocarbons (PAHs), and (7) heavy metals. C2.4 Ion-GHG air pollutants 2020 and SASB EM-MM-120a and • Ammonia (NH3). An organisation should report water withdrawal broken down by use category – operational water and other managed water – and by quality as defined in ICMM Water Reporting Guidance. Water consumption should include the volume of water removed by ICMM Water evaporation, entrainment (in waste or product) or other losses and not released back to surface water, groundwater, seawater or a third party. In general yes.

For the construction materials sector, the SASE EM-CM-140a.1 indicator is required (1) Total fresh water withdrawn, (2) percentage recycled, (3) percentage in regions with High or Extremely High Baseline Water Reporting: Good Vater withdrawal and (m3) from areas of water scarcity, including identification of water source. practice guide C3.0 consumption from areas of water scarcity (2nd Edition); SASB EMMMreport:

• Water withdrawal in areas of water scarcity as a percentage of the total water withdrawn;
• The number and share (%) of sites located in areas of water scarcity; Core disclosure indicators and metrics proposed for the sector Is the metric useful for reporting and management? Is the metric useful for the business model, improving its corporate strategy, its value proposition, or can it guide the development of innovative projects? Is it within the company's capabilities to measure it? Metric subcategory Metric category Indicator Proposed core sector disclosure indicator or metric Source Response

2	State of nature	Ecosystem extent and condition Species population size and extinction risk	Soil quality Water quality Invasive alien species Species threat	Metrics for the ecosystem condition. For example: *Soil quality in areas affected by an organisation's activities; and *Water quality in water bodies affected by an organisation's activities. Metrics for invasive allen species populations in the area surrounding the mine. For example: *The change in invasive allen species from a baseline (%). Metrics for species extinction risk based on, for example, a Calibrated STAR value 13 For example: *Number of sites with a species threat reduction target in place; and *Number of sites with a calibrated (or realised) STAR score with an associated species threat reduction target in place.	TNFD	Pilots could be done to understand implementation models.		
	Impact driver	Land/freshwater/ ocean use change	Proximity to protected areas	Number and area of sites within or directly adjacent to legally designated protected areas.	GRI 304: Biodiversity 2016	NR		
			Site location in Indigenous territories	The percentage of land owned, leased and/or operated in Indigenous territories.	TNFD	NR		
	Response	DIRO management	Impact management	Number and proportion (%) of sites with: 1. Biodiversity management plans in place; and 1i. No net loss or net gain strategies in place.	TNFD	In general yes. For the net profit or loss strategy indicator, hiring consultants must be planned to develop it, this may take time and resources.		
				Change against the baseline in the metrics used to evaluate no net loss (e.g. quality hectares, breeding pairs of endangered species), including: i. Total land disturbed by operations (ha); ii. Area disturbed that is available for restoration (ha); iii. Area previously disturbed that is under active restoration (ha); and iv. Land managed for offsets (ha).		Yes.		
	Proposed additional sector d	isclosure indicati	ors and metrics for the sec	tor				
	Questions asked:	Is the metric use	the metric useful for reporting and management? The metric useful for the business model, improving its corporate strategy, its value proposition, or can it guide the development of innovative projects? Within the company's capabilities to measure it?					
	Metric category	Metric subcategory	Cross-sector indicator	Proposed additional sector disclosure indicator or metric	Source	Response		
	Metric category	Metric subcategory DIRO management	Cross-sector indicator	Proposed additional sector disclosure indicator or metric Number of the operational sites that: + Hawa closure and rehabilitation plans in place; + Hawa been closed; or - Are undergoing closure activities.	GRI 12: Coal sector 2022	Response Companies are able to measure it but it is considered that it should not yet be reported publicly.		
3	Metric category	subcategory		Number of the operational sites that: Have closure and rehabilitation plans in place; Have been closure or or	GRI 12: Coal	Companies are able to measure it but it is considered that it should not yet be		
3	Metric category	subcategory DIRO management	Impact management	Number of the operational sites that: *Aave closure and rehabilitation plans in place; *Have been closed; or *Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a	GRI 12: Coal sector 2022 GRI 12: Coal	Companies are able to measure it but it is considered that it should not yet be reported publicly.		
3		subcategory DIRO management	Impact management	Number of the operational sizes that: + Have closure and rehabilitation plans in place; + Have been closed; or - Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly.		
3		subcategory DIRO DIRO	Impact management Capital allocation Additional conservation	Number of the operational sites that: + Haw been closed; or + Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in accordance with IUCN Protected Area or Kunming-Montreal Global Biodiversity Framework Target 3 categories). Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly. Yes.		
3		subcategory DIRO DIRO	Impact management Capital allocation Additional conservation	Number of the operational sites that: + Hawe closure and rehabilitation plans in place; + Hawe closure and rehabilitation plans in place; + Hawe been closed; or - Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in accordance with IUCN Protected Area or Kunming-Montreal Global Biodiversity Framework Target 3 categories). Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape (i.e. not on land owned or leased).	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022 TNFD	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly. Yes.		
hati		DIRO management DIRO management DIRO management	Impact management Capital allocation Additional conservation	Number of the operational sites that: + Haw been closed; or + Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in accordance with IUCN Protected Area or Kumming-Montreal Global Biodiversity Framework Target 3 categories). Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape (i.e. not on land owned or leased). Percentage of conservation or restoration projects in the wider landscape with community engagement, human rights due diligence and agreement making protocols in place.	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022 TNFD	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly. Yes.		
hat (Response other industry metrics should it	DIRO management Strategy DIRO management the taskforce ditional?	Impact management Capital allocation Additional conservation and restoration activities	Number of the operational sites that: + Haw been closed; or + Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in accordance with IUCN Protected Area or Kumming-Montreal Global Biodiversity Framework Target 3 categories). Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape (i.e. not on land owned or leased). Percentage of conservation or restoration projects in the wider landscape with community engagement, human rights due diligence and agreement making protocols in place.	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022 TNFD	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly. Yes.		
hat (Response other industry metrics should to	DIRO management Strategy DIRO management the taskforce ditional?	Impact management Capital allocation Additional conservation and restoration activities	Number of the operational sites that: + Haw been closed; or + Are undergoing closure activities. Total monetary value of financial provisions made by the organisation for closure and rehabilitation, including environmental and socioeconomic post-closure monitoring and aftercare for operational sites, providing a breakdown of this total by project. Area of land (ha) with increased protection (either newly protected or with a higher protection level, in accordance with IUCN Protected Area or Kumming-Montreal Global Biodiversity Framework Target 3 categories). Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape (i.e. not on land owned or leased). Percentage of conservation or restoration projects in the wider landscape with community engagement, human rights due diligence and agreement making protocols in place.	GRI 12: Coal sector 2022 GRI 12: Coal sector 2022 TNFD	Companies are able to measure it but it is considered that it should not yet be reported publicly. It is considered that it should not yet be reported publicly. Yes.		

Will a specific guide be develope framework for this sector.