

| Questions asked: | - Do you agree with the proposed guidance? <br> - Is the metric useful for reporting and management? <br> - Is the metric useful for the business model, improving its corporate strategy, its value proposition, or can it guide the development of innovative projects? <br> - Is it within the company's capabilities to measure it? |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Driver ot nature change | Meric no. | Core gloal indicator | Core global metric | Proposed gudance for the sector | source | Response |
| Climate change | ${ }^{\text {c1.0 }}$ | ${ }^{\text {GHG emisisins }}$ | Refer to IFRS-S2 Climate-related Disclosure Standard. | In reporting the core global disclosure metric, an organisation should refer to the ICMM Scope 3 Accounting and Reporting Guidance, which provides a standardised framework for the calculation and reporting of an organisation's Scope 3 emissions aligned with the GHG Protocol. |  | By scope 3 it is understood that it is a metric that focuses on the value chain in TNFD terms, which is why it must be defined in more detail. |
|  | ${ }^{\text {c1.1 }}$ | Extent of land/ feshhwaterlocean use change | Extent of land/freshwater/ocean ecosystem conserved or restored (km2), split into: <br> - Voluntary; and <br> - Required by statutes or regulations | 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 work. | NFD | 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 mettodology; this can take several years and resources. |
| Polutionpopolution removal | c2. | Pollutants released to soil split by type | Pollutants released to soil (tonnes) by type, referring to sector-specific guidance on types of pollutants. | In reporting the core global disclosure metric, an organisation should include the: <br> - Total volume ( m 3 ) of moderate and high impact spills to soil according to the GRI $306-3$ material spill classifications, including oil, fuel, wastes, chemicals etc.; and <br> - Number of incidents of significant pollution to soil within the reporting period associated with hazardous materials and waste management. <br> Tailings (unless a spill comes from a tailings facility), 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). <br> A significant incident is an incident that exceeds volume and concentration limits of local regulatory requirements or industryaccepted 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. | $\begin{aligned} & \text { GRI 306: Waste } \\ & 2020 \text { and SASB } \\ & \text { EMMM150a. } 9 \end{aligned}$ | More technological and methodological development is needed for this report. <br> 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". |
|  | ${ }^{\text {c2.1 }}$ | Wastewater discharged | Volume of water discharged (m3), <br> split into: <br> - Total; <br> - Freshwater; and <br> - Other. 6 <br> Including: <br> - Concentrations of key pollutants in the wastewater discharged, by type of pollutant, referring to sector-specific guidance for types of pollutants; and - Temperature of water discharged, where relevant. | In reporting the core global disclosure metric, the volume of water <br> discharged should be broken down by: <br> - Discharge destination category: surface water, groundwater, seawater and third party; and <br> - Pollutant type category: high and low water discharge quality, as defined in ICMM Water Reporting Guidance. | ICMM Water Reporting: Good practice guide (2nd Edition) p33 | The companies reportit to the environmental authorities of Colombil. |
|  | c2. 2 | $\begin{aligned} & \begin{array}{l} \text { Waste generation and } \\ \text { disposal } \end{array} \\ & \hline \end{aligned}$ | Weight of hazardous and nonhazardous waste generated by type (tonnes), referring to sector-specific guidance for types of waste. <br> Weight of hazardous and nonhazardous waste (tonnes) disposed <br> of, split into: <br> - Waste incinerated (with and without <br> energy recovery); <br> - Waste sent to landfill; and <br> - Other disposal methods. <br> Weight of hazardous and nonhazardous waste (tonnes) diverted from landfill, split into waste: <br> - Reused; <br> - Recycled; and <br> - Other recovery operations. | In reporting the type of waste, an organisation should include mineral <br> waste and non-mineral waste. Mineral waste should include: <br> - Tailings and other sludges; <br> - Waste rock with metal leaching and/or acid rock drainage potential, <br> radioactive material or asbestiform content; and <br> - Overburden. <br> An organisation should also report the composition of the waste diverted from disposal. | Adapted from GRI 306: Waste 2020 and SASB EM-MM-150a | 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-CM150a. 1 Amount of waste generated, percentage hazardous, percentage recycled. |
|  | c2.4 | Non-GHG ar polluants | Non-GHG air pollutants (tonnes) by type: <br> - Particulate matter (PM2.5 and/or <br> PM10); <br> - Nitrogen oxides (NO2, NO and NO3); <br> - Volatile organic compounds (VOC or NMVOC); <br> - Sulphur oxides (SO2, SO, SO3, SOx); and <br> - Ammonia (NH3). | Additional pollutants to report under this core global disclosure metric for each mine site include: <br> - Carbon monoxide (CO), ground level ozone (O3) and hydrogen sulphide (H2S); <br> - Mercury (Hg); <br> - Lead (Pb); <br> - Hydrogen cyanide (HCN); and <br> - Dust fallout (under particulate matter). <br> Categories of pollutants are not mutually exclusive. For example, substances contained in PM10 must also be reported where applicable in other categories. Quantitative concentration of non-GHG air pollutants should be measured by month and then annually by the company. | Adapted from GRI 306: Waste 2020 and SASB EM-MM-120a | The stations are generally not conditioned for this type of samples. <br> 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-M-CM120a. 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. |
| Resourc usereperenishment | c3.0 | Water withdrawal and consumption from areas of water scarcity | Water withdrawal and consumption8 (m3) from areas of water scarcity, including identification of water source. | 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. <br> Water consumption should include the volume of water removed by evaporation, entrainment (in waste or product) or other losses and not released back to surface water, groundwater, seawater or a third party. <br> In addition to the core global disclosure metric, organisations should report: <br> - Water withdrawal in areas of water scarcity as a percentage of the total water withdrawn; <br> - The number and share (\%) of sites located in areas of water scarcity; and <br> - Operational water reuse/recycle volumes. | ICMM Water <br> Reporting: Good <br> practice guide <br> (2nd Edition); <br> SASB EMMM- <br> 140a | In general yes. <br> For the construction materials sector, the SASB 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 Stress. |
| Core elisclosure indicatats and metrics sproposed tor the sector |  |  |  |  |  |  |
| Question sasked: | - Is the metric useful for reporting and management? <br> - Is the metric useful for the business model, improving its corporate strategy, its value proposition, or can it guide the development of innovative projects? <br> - Is it within the companys capabilities to measure it? |  |  |  |  |  |
| Mertic categor | $\begin{gathered} \text { Metric } \\ \text { subcategory } \end{gathered}$ | Indicator | Proposed | ed core sector disclosure indicatoro romeric | Sour | Response |


|  | State of nature | Ecosystem extent and condition <br> Species <br> population size and extinction risk | Soil quality Water quality Invasive alien species Species threat | Metrics for the ecosystem condition. For example: <br> - Soil quality in areas affected by an organisation's activities; and <br> - Water quality in water bodies affected by an organisation's activities. <br> Metrics for invasive alien species populations in the area surrounding the mine. For example: <br> - The change in invasive alien species from a baseline (\%). <br> Metrics for species extinction risk based on, for example, a Catibrated STAR value. 13 For example: <br> - Number of sites with a species threat reduction target in place; and <br> - 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. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Impactetriver | $\left\|\begin{array}{l} \text { Land/freshwater\| } \\ \text { ocean use } \\ \text { change } \end{array}\right\|$ | Proximity to protected areas | Number and area of sites within or directly adiacent to egally designated protected areas. | GRI 304: Biodiversity 2016 | NR |
|  |  |  | Site location in Indigenous territories | The percentage of land owned, leased and/or operated in Indigenous teritories. | tnfd | NR |
|  | Response | $\begin{aligned} & \text { DIRO } \\ & \text { management } \end{aligned}$ | Impact management | Number and proportion (\%) of sites with: <br> i. Biodiversity management plans in place; and <br> ii. No net loss or net gain strategies in place | TNFD | In general yes. <br> 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: <br> i. Total land disturbed by operations (ha); <br> ii. Area disturbed that is available for restoration (ha); <br> iii. Area previously disturbed that is under active restoration (ha); and <br> iv. Land managed for offsets (ha). |  | Yes. |
| Proposed additional sector disclosure indicators and metrics for the sector |  |  |  |  |  |  |
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|  | Metric category | Metric subcategory | Cross-sector indicator | Proposed additional sector disclosure indicator or metric | Source | Response |
|  | Response | $\begin{array}{\|l} \hline \text { DIRO } \\ \text { management } \end{array}$ | Impact management | Number of the operational sites that: <br> - Have closure and rehabiiltation plans in place; <br> - Have been closed; or <br> - Are undergoing closure activities. | $\begin{aligned} & \text { GR1 12: Coal } \\ & \text { sector } 2022 \end{aligned}$ | Companies are able to measure it but it is considered that it should not yet be reported publicly. |
|  |  | Strategy | Capita allocation | 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. | GRI 12: Coal sector 2022 | It is considered thatit should notyet be reported publicly. |
|  |  |  | Additional conservation and restoration activities | 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). | TNFD | Yes. |
|  |  |  |  | Total area (ha) covered by collaborative conservation or restoration initiatives supported in the wider landscape (i.e. not on land owned or leased). | info | Yes. |
|  |  |  |  | Percentage of conservation or restoration projects in the wider landscape with community engagement, human rights due diligence and agreement making protocols in place. | TNFD | Yes. |
| Other general questions about metrics |  |  |  |  |  |  |
| What other industry metrics should the taskforce consider? Should they be core or additional? |  |  | NR |  |  |  |
| What other metrics of positive impact and opportunities? Are they relevant in each sector? |  |  | NR |  |  |  |
| ADDITIONAL CONTRIBUTIONS AND COMMENTS |  |  |  |  |  |  |
|  <br>  framework for this sector. |  |  |  |  |  |  |

