KGHM Polska Miedź S.A. - Climate Change 2022

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

KGHM Polska Miedź S.A. is the Parent Entity of a Group which is a world-class producer of copper and silver with over 60 years of experience in the copper ore mining and processing sector. In Poland, KGHM Polska Miedź S.A. operates one of the world's largest copper deposits, guaranteeing continuous production in Poland for the next several decades. KGHM Polska Miedź S.A. also produces silver, gold, molybdenum, lead and rock salt, as well as being one of the leading exporters in the country and one of the largest companies in Poland.

The KGHM Polska Miedź S.A. Group is a global and innovative organisation, which conducts technologically advanced exploration-mining and metallurgical activities and has a geographically diversified portfolio of mining projects. KGHM's business model is divided into 7 areas, through which the Group ensures a complete chain of value creation, from exploration to the sale of finished products. KGHM actively supports the realms of science, the arts and sport. Through its Foundation founded in 2003, KGHM Polska Miedź engages in charitable activities.

The KGHM Polska Miedź S.A. Group includes the Parent Entity – KGHM Polska Miedź S.A. – and 69 subsidiaries (as at 31 December 2021). Uniformity in such a complex organisation is ensured by KGHM's values – zero harm, teamwork, results-driven, accountability and courage. For 60 years they have been the Company's business compass, indicating the direction of development and the means of operation on the international market.

For 25 years the Company has been listed on the Warsaw Stock Exchange. The Company's shares are traded on the primary market of the WSE in the continuous trading system and are a component of the WIG, WIG20 and WIG30 main indices as well as the WIG – ESG index published since 3 September 2019, comprising listed companies which adhere to the principles of corporate social responsibility. The Company was also a permanent component of the RESPECT Index, from 19 November 2009 until 1 January 2020 when it ceased to be calculated and published. KGHM Polska Miedź S.A. is also a component of the sector index WIG-Mining. Moreover, KGHM Polska Miedź S.A. is a component company of the FTSE4Good Index Series. The FTSE4Good Index Series is part of the group of ethical investment indicators, reflecting criteria of corporate social responsibility and ESG risk management.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1 2021	December 31 2021	Yes	2 years

C0.3

(C0.3) Select the countries/areas in which you operate.

Poland

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

PLN

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.

Financial control

C-MM0.7

(C-MM0.7) Which part of the metals and mining value chain does your organization operate in?

Row 1

Mining

Copper
Gold
Platinum group metals
Silver
Lead
Other mining, please specify (Salt)

Processing metals

Copper
Gold
Platinum group metals
Silver
Lead

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, an ISIN code	PLKGHM000017
Yes, a Ticker symbol	KGH

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

No

C1.1c

(C1.1c) Why is there no board-level oversight of climate-related issues and what are your plans to change this in the future?

	Primary reason	Board-level oversight of climate-related issues will be introduced within the next two years	Please explain
Row 1	The company is in the process of developing strategic plans and targets resulting from the introduction of a Climate Policy in November 2021. While the general strategic targets were outlined in the Climate Policy, detailed strategic plans and targets, including designations of key personnel / senior management who are responsible for oversight of climate policy implementation as well as KPIs for these persons, are currently being developed.	Yes, we plan to do so within the next two years	At present, responsibility for environmental protection issues is assigned to the Vice President (Production), while general responsibility for the preparation, implementation and execution of the Company's Strategy and Sustainable Development Policy lies with the President of the Management Board. The Corporate Risk Management Policy describes our systematic approach to risk: from identification and assessment, through analysis and response, to the monitoring of of risk levels, including those related to the natural environment. Taking into consideration the key risk factors described in the Group's financial statements, risks related to environmental issues are dealt with by the KGHM Group. Our internal procedures call for the preparation of corporate risk reports which are presented each quarter to the Management Board and Supervisory Board. This means that oversight of key risks (including those related to environmental issues) is the direct responsibility of the Management Board. This also includes broadly-defined climate risk, a description of which has been included in overall risk analysis and reported on in the annual report for 2021. Detailed strategic plans and targets in terms of reducing CO2 emissions by the Parent Company in Poland and by the entire KGHM Group, including designations of key personnel / senior management who are responsible for oversight of climate policy implementation as well as KPIs for these persons, are currently being developed.

C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	No, but we plan to address this within the next two years	<Not Applicable>	Other, please specify (This question is being addressed as a result of the adoption in November 2021 of the Climate Policy of KGHM Polska Miedź S.A. with resolution expected in the next 1-2 years.)	This issue is being addressed as a result of the adoption of the Climate Policy in November 2021.

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Chief Executive Officer (CEO)	<Not Applicable>	Other, please specify (The preparation, implementation and execution of the Company's Strategy and Sustainable Development Policy)	<Not Applicable>	Please select
Chief Operating Officer (COO)	<Not Applicable>	Other, please specify (Occupational health and safety and control of environmental risks)	<Not Applicable>	Please select

C1.2a

(C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored (do not include the names of individuals).

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	No, not currently but we plan to introduce them in the next two years	Under Section 5 of the Remuneration Policy of Members of the Management Board and Supervisory Board of KGHM, reducing environmental impact is one of the management goals on which the allocation of variable remuneration may be dependent (the relevant criteria for allocation is reduced emissions of specified substances / reduced emissions fees. The possibility of expanding this to include climate-specific targets is being discussed and will be addressed in future.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?

Yes

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	1	
Medium-term	1	10	
Long-term	10	30	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

The risk in various areas of the KGHM Polska Miedź SA Group's operations is identified, assessed and analyzed on an ongoing basis in the context of the possibility of its reduction. Risks may have various effects, thus, in order to ensure the widest possible recognition of a potential impact and limit the assessment subjectivity, the Impact assessment dimensions have been defined, incl.: Finances – determines the impact of effects of a particular risk with reference to the financial dimension through applying value ranges. Strategy – within this dimension the assessment of risk impact on the ability to implement strategic objectives is made. The risks are monitored by the Corporate Risk and Compliance Department, and in terms of financial risk additionally by the department of the General Treasury Director - Corporate Treasurer.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered

Direct operations

Upstream

Downstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Short-term

Description of process
Definition of Context - The objective of the stage is to collect information necessary for the conduct of a cyclical process of corporate risk management and its continuous improvement, among others through update of the adopted approach and method of operation on the basis of know-how and experience of the participants of this process, results of monitoring, including internal and external audits, reviews and verifications. Definition of Context consists of three actions: specification of the external, internal and risk management context. The external context is the environment in which the KGHM Polska Miedź S.A. Group is pursuing its Strategy. Identification of the context requires an update of the understanding of the social, political, legal, regulatory, financial, economic and technological aspects of the environment that affect the business activity. At this stage, based on the results of a scenario analysis, the key drivers of transition to a low-emission economy are also examined along with the pathways of climate change and weather patterns that are processed at further stages of the process. Identification of the internal context requires an analysis of (strategic/business) goals, planned and implemented changes in the organizational structure, new areas of the business activity, projects, etc. The final action within this step is to define the risk management context, which comprises setting or updating goals, scope, responsibility as well as procedures and methodologies applied in the risk management process.

Value chain stage(s) covered
Direct operations
Upstream
Downstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
More than once a year

Time horizon(s) covered
Short-term

Description of process
Risk Identification and Assessment - The objective of the stage is to collect and organize knowledge on the risks present within the organization and those whose sources lie outside the organization, their assessment and to develop a Risk Map on their basis. The final outcome of the stage is the selection of key risks. At this stage of the process, risks that may have impact on the achievement of objectives (strategic/business) both at the KGHM Group level and at the level of KGHM's Divisions are identified and assessed. The main objective of this stage is to develop a complete list of risks that may facilitate, inhibit, accelerate or delay the achievement of objectives. Risks are systematized into categories and subcategories in the form of a Risk Model, which is use by the KGHM Group as a standardized risk taxonomy. After identification, the risks undergo assessment using the Risk Assessment Matrix. This stage of the process also includes an analysis to identify potential sources of risk and specify the possible financial and non-financial effects of their materialisation.

Value chain stage(s) covered
Direct operations
Upstream
Downstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
More than once a year

Time horizon(s) covered
Short-term

Description of process
Analysis and Response to Risk - The aim of this stage is to deepen the knowledge and understanding of the nature of key risks selected at the previous stage. Cause and effect analyses and an in-depth description of risk handling methods are to allow undertaking decision on the maintenance or possible change of the current handling method. The directional decision is called the The Response to risk. Any change of the handling procedure requires Adjustment Measures, i.e. organizational, process, systemic and other changes, the aim of which is to reduce the level of the key negative risk or to increase the key positive risk, to be specified.

Value chain stage(s) covered
Direct operations
Upstream
Downstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
More than once a year

Time horizon(s) covered
Short-term
Medium-term
Long-term

Description of process
Monitoring and communication - The aim of the monitoring and communication process is the ensure that the applied Risk Response Plan is effective (interim and periodic reports), new risks are identified, changes in the internal and external environment and their impact on the operation have been detected and the appropriate measures were taken in response to incidents. Effective, well-planned and appropriately implemented risk monitoring enables flexible and fast responses to changes taking place in

the external and internal environment (e.g. escalation of risk, changes in the measures related to response to risk, or the risk assessment parameters, etc.). Effective risk monitoring involves also periodic reviews of Key Risk Indicators, completeness and timeliness of reporting the implementation status of Response to Risk (update of information on Adjustment Measures).

Value chain stage(s) covered
Direct operations
Upstream
Downstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Medium-term

Description of process
Risk Identification and Assessment - Identified and assessed are the risks that may threaten the achievement of the main goal of a given strategic area and result in the lack of implementation of initiatives under individual operational objectives. Risks at the strategic level are decomposed into risks at the corporate level in accordance with the KGHM Corporate Risk Management Procedure and Methodology. Risk mitigation takes place at the corporate level, and the consolidated assessment of their vulnerability comes down to risk assessment at the strategic level.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory Transition-Related Risks)
Emerging regulation	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory Transition-Related Risks)
Technology	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory: Transition-Related Risks)
Legal	Relevant, always included	As part of the Corporate Risk Management process in the KGHM Group, each identified risk is assessed in terms of impact on Laws and Regulations (details in C2.3a)
Market	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory: Transition-Related Risks)
Reputation	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory: Transition-Related Risks)
Acute physical	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory: Physical Risks)
Chronic physical	Relevant, always included	According to Risk Model (Corporate Risk Category: Climate Risk, Subcategory: Physical Risks)

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Risk 1

Where in the value chain does the risk driver occur?
Downstream

Risk type & Primary climate-related risk driver

Legal	Exposure to litigation

Primary potential financial impact
Increased capital expenditures

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
The KGHM Group is exposed to the risk of non-compliance with the generally applicable legal requirements, internal corporate regulations and voluntarily adopted legal obligations and standards. The risk of interruptions to operations or the need to reorganize work due to new legislation may have a substantial impact on the operations of the KGHM Group (such as the risk of transitioning to the low-carbon economy, circular economy).

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
As part of the Corporate Risk Management process in the KGHM Group, each identified risk is assessed in terms of impact on Laws and Regulations – assessment of the compliance of occurrences with the applicable laws, the necessity to participate in proceedings before public administration authorities responsible for supervision and regulation and potential sanctions resulting from such proceedings (litigation claims). Having a consistent compliance system in the KGHM Polska Miedź S.A. Group is an element of effective management as part of corporate governance through e.g. a more efficient response and readiness for regulatory changes, care for reputation and ethical culture building in the organization as well as awareness raising and enhancement of the sense of responsibility for compliance among employees.

Comment
The Enterprise Risk Management Policy describes our systematic approach to risks identification, analysis, thorough risk treatment and monitoring (threats and opportunities). This comprehensive risk management framework is aligned with our growth strategy, efforts in operational effectives improvement and sustainable and corporate responsible business implementation. The Enterprise Risk Management Policy is available on the KGHM website (https://kghm.com/en/investors/corporate-governance/risk-management). More details on corporate risk management process can be found in The Management Board's Report on the Activities of KGHM Polska Miedź S.A. and of the KGHM Polska Miedź S.A. Group in 2021 (12. RISK MANAGEMENT IN THE GROUP).

Identifier
Risk 2

Where in the value chain does the risk driver occur?
Please select

Risk type & Primary climate-related risk driver

Acute physical	Other, please specify (Key factors have been identified that may cause materialization of acute physical risk: - accumulated dry days - heatwaves - heavy rains)

Primary potential financial impact
Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Materialization of this risk may lead, among other things, to restriction of operations due to infrastructure damages, increase in costs, interruption of the supply chain, logistical disruptions, interruptions in the supply of utilities, limited access to water and increased consumption of water. The consequences of such materialization are examined for the individual elements of the Parent Entity's value chain.

Time horizon
Short-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
Appointment of task and expert teams in the area of counteracting the effects of the materialized extreme weather events on business continuity. Preventive management of key infrastructure elements affecting production continuity and application of crisis response procedures. Actively seeking technical and technological solutions that would

limit the adverse impact of operations on climate. Application of solutions counteracting the effects of climate hazards using neutral measures and by using modern technology. Ongoing monitoring of the microclimate parameters and introduction of remote control and visualisation and surveillance systems in workplaces with particularly adverse climate parameters.

Comment

Identifier
Risk 3

Where in the value chain does the risk driver occur?
Please select

Risk type & Primary climate-related risk driver

Chronic physical	Other, please specify (Key factors have been identified that may cause materialization of chronic physical risk: - temperature (warm/cool) - average temperature - change of wind intensity)

Primary potential financial impact
Decreased revenues due to reduced production capacity

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Materialization of this risk may lead, among other things, to changes in the conditions in which the operations must be conducted, interruption of business continuity of the core production business, changes in the onerousness of work, power outages and higher consumption of energy for cooling processes. The consequences of such materialization may be presented for the individual elements of the Parent Entity's value chain.

Time horizon
Long-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
Systematic limitation of energy consumption under the implemented, ISO 50001-compliant Energy Management System and Energy Savings Program (POE). Planned increase in the efficiency and flexibility of the KGHM Group in terms of its Polish and international assets, among others by partially satisfying the needs for electricity from its own sources as well as from renewable energy sources ("RES") by the end of 2030. Development of own zero- and low-emission sources in the short and medium term including construction and acquisition of photovoltaic and wind power plants, supplemented in the long term by the use of small modular reactors (SMRs). Diversification and efforts towards sustainable development through building own power capacity from low-emission sources is one of the main Pillars of the newly-adopted Strategy of the KGHM Polska Miedź S.A. Group to the year 2030 with an outlook to 2040, and one of its elements is for KGHM Polska Miedź S.A. to achieve the position of one of the leading producers of environmentally-friendly electricity supporting Poland's energy transition. Efficient risk management system for long-term/strategic risk, also encompassing climate risk management allowing for risk categorisation, identification, assessment and management as well as plans for its mitigation.

Comment

Identifier
Risk 4

Where in the value chain does the risk driver occur?
Please select

Risk type & Primary climate-related risk driver

Emerging regulation	Other, please specify (The existing and increasing climate-related legal requirements may have direct and indirect impact on KGHM Polska Miedź S.A.)

Primary potential financial impact
Increased capital expenditures

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
The existing and increasing climate-related legal requirements may have direct and indirect impact on KGHM Polska Miedź S.A. This pertains to both European regulations as well as requirements at the domestic level, which will be effectively enforced. This may be materially impacted by the planned full implementation of the European Green Deal in domestic documents and climate/energy frameworks till 2030 and fulfilment of the EU's climate neutrality objective by 2050. An incorrect interpretation or a failure to observe new regulations may potentially result in non-compliance with the law, exposure to court disputes or sanctions. New legal regulations may also cause interruptions in operations or the necessity to reorganize work and consequently may substantially impact the operations of the KGHM Group (among others, transition to the low-carbon

economy, circular economy).

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
Active cooperation with the academic environment, which issues opinions on changes to legal acts, and the on-going providing of positions and opinions with respect to numerous areas subject to legislative change (including as part of membership of national and international organizations). Taking preventative actions aimed at adapting to organizational, infrastructural and technological changes. Having a consistent compliance system in the KGHM Group is an element of effective management as part of corporate governance through e.g. a more efficient response and readiness for regulatory changes, caring about reputation and building an ethical culture in the organisation, as well as awareness raising and enhancement of the sense of responsibility for compliance among employees.

Comment

Identifier
Risk 5

Where in the value chain does the risk driver occur?
Please select

Risk type & Primary climate-related risk driver

Market	Changing customer behavior

Primary potential financial impact
Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Heightened expectations and awareness of stakeholders as regards climate issues may lead to increased operating and investment costs and, in extreme cases, to limitation of the business activity. The changing consumer requirements also involve a focus on the production method rather than merely the quality and price of the final product.

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
Care and due diligence in identification of expectations and requirements of the external stakeholders concerning the climate and environmental issues and consideration given to these issues in the long-term, strategic perspective. Ongoing analysis of technical and technological solutions, which satisfy stakeholder requirements concerning climate issues affecting changes in supply and demand.

Comment

Identifier
Risk 6

Where in the value chain does the risk driver occur?
Please select

Risk type & Primary climate-related risk driver

Reputation	Increased stakeholder concern or negative stakeholder feedback

Primary potential financial impact
Decreased revenues due to reduced demand for products and services

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
The KGHM Group is exposed to the risk of exposure to external factors involving the environment in which it operates and consequently, exposure to changes in the image of the organization and its products or services. Risk of ineffective management of relations with stakeholders, which affects the willingness of the environment and the taking of actions towards the KGHM Group. Potential difficulties in attracting customers, employees, business partners and investors if the KGHM Polska Miedź S.A. Group's activity is considered to be harmful to the climate. In extreme cases, the materialisation of this risk may lead to the blocking of development plans.

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation
Care and due diligence in identification of expectations and requirements of the external stakeholders concerning the climate and environmental issues. Establishment of trade and business relationships with entities that declare care about environmental protection and comply with the regulations applicable in this regard. Increased awareness of climate change in the organization and improvement of communication with all stakeholders in this respect, among others through the higher quality of reporting on climate-related information after climate reporting was launched based on the 2017 Recommendations of the Task Force on Climate-Related Financial Disclosures.

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Markets

Primary climate-related opportunity driver
Other, please specify (Shift in consumer preferences)

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
The opportunity coming from increased demand for copper arising from the necessity to supply it to meet the needs of the low-carbon economy as a result of a higher level

of electrification (through increased copper consumption for purposes related to manufacturing components for electrical vehicles and development of electromobility) and increased consumption of copper in power networks. A stable growth of the global demand for copper is expected by 2040. The forecast growth will be an effect of, among others, the dynamically increasing demand from industries associated with renewable energy sources.

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Care and due diligence in identification of expectations and requirements of the external stakeholders concerning the climate and environmental issues and consideration given to these issues in the long-term, strategic perspective. Ongoing analysis of technical and technological solutions, which satisfy stakeholder requirements concerning climate issues affecting changes in supply and demand.

Comment

Identifier
Opp2

Where in the value chain does the opportunity occur?
Upstream

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of lower-emission sources of energy

Primary potential financial impact
Returns on investment in low-emission technology

Company-specific description
Taking the above factors into account, KGHM also recognizes the opportunity associated with investments in its own renewable energy sources, which may reduce production costs and ensure business continuity while reducing greenhouse gas emissions.

Time horizon
Long-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Systematic limitation of energy consumption under the implemented, ISO 50001-compliant Energy Management System and Energy Savings Program (POE). Planned increase in the efficiency and flexibility of the KGHM Group in terms of its Polish and international assets, among others by partially satisfying the needs for electricity from its own sources as well as from renewable energy sources (“RES”) by the end of 2030. Development of own zero- and low-emission sources in the short and medium term including construction and acquisition of photovoltaic and wind power plants, supplemented in the long term by the use of small modular reactors (SMRs). Diversification and efforts towards sustainable development through building own power capacity from low-emission sources is one of the main Pillars of the newly-adopted Strategy of the KGHM Polska Miedź S.A. Group to the year 2030 with an outlook to 2040, and one of its elements is for KGHM Polska Miedź S.A. to achieve the position of one of the leading producers of environmentally-friendly electricity supporting Poland’s energy transition. Efficient risk management system for long-term/strategic risk, also encompassing climate risk management allowing for risk categorisation, identification, assessment and management as well as plans for its mitigation.

Comment

Identifier
Opp3

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Resilience

Primary climate-related opportunity driver
Other, please specify (Use of recycling)

Primary potential financial impact
Reduced direct costs

Company-specific description
The opportunity coming from increased consumption and capability to process a volume of copper scrap and copper-bearing materials by KGHM's smelters and refineries, which results in improved efficiency of waste management in global terms in the context of resource use and longer copper life cycle – a change in the customer's and the Regulator's approach in favor of circular economy and low-carbon economy.

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Ongoing monitoring of policy changes intended to reduce CO_2 emissions and the potential tightening of regulations, analysis of market standards, technological innovations, opportunities for using alternative energy sources (RES). Taking pre-emptive actions to adapt to changes in the technological area. Since most of the technology is in early advancement stage, it is assumed that by 2030 KGHM will focus its efforts primarily on the continuation or launch of research and development work in selected areas, and on initiation of pilot projects. Full implementation of new innovative solutions, leading to achievement of the expected decarbonisation effects in the direct emissions area, will be carried out in the period 2030-2050. The Climate Policy will be followed by the Decarbonisation Program of the KGHM Group, which will contain a detailed method for achieving the intended reduction targets and present all capital expenditures related to the implementation of GHG emission reduction measures. The Decarbonisation Program of the KGHM Group will be announced publicly.

Comment

Identifier
Opp4

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Markets

Primary climate-related opportunity driver
Other, please specify (Use of lower-emission sources of energy)

Primary potential financial impact
Increased revenues resulting from increased production capacity

Company-specific description
The opportunity (positive risk) arising from investments in renewable energy, which support combating greenhouse gas emissions – an image- and market-related opportunity with respect to the industry, i.e. the image of a company caring for the natural environment and striving for limiting the global climate change (green energy / green copper / green KGHM); a change in the customer's approach but also legislative changes in favor of the KGHM Polska Miedź S.A.'s attitude.

Time horizon
Medium-term

Likelihood
Please select

Magnitude of impact
Please select

Are you able to provide a potential financial impact figure?
Please select

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
Care and due diligence in identification of expectations and requirements of the external stakeholders concerning the climate and environmental issues. Establishment of trade and business relationships with entities that declare care about environmental protection and comply with the regulations applicable in this regard.

Comment

C3. Business Strategy

C3.1

(C3.1) Does your organization's strategy include a transition plan that aligns with a 1.5°C world?

Row 1

Transition plan
No, our strategy has been influenced by climate-related risks and opportunities, but we do not plan to develop a transition plan within two years

Publicly available transition plan
<Not Applicable>

Mechanism by which feedback is collected from shareholders on your transition plan
<Not Applicable>

Description of feedback mechanism
<Not Applicable>

Frequency of feedback collection
<Not Applicable>

Attach any relevant documents which detail your transition plan (optional)
<Not Applicable>

Explain why your organization does not have a transition plan that aligns with a 1.5°C world and any plans to develop one in the future

Explain why climate-related risks and opportunities have not influenced your strategy
<Not Applicable>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	Yes, qualitative and quantitative	<Not Applicable>	<Not Applicable>

C3.2a

(C3.2a) Provide details of your organization's use of climate-related scenario analysis.

Climate-related scenario	Scenario analysis coverage	Temperature alignment of scenario	Parameters, assumptions, analytical choices

C3.2b

(C3.2b) Provide details of the focal questions your organization seeks to address by using climate-related scenario analysis, and summarize the results with respect to these questions.

Row 1

Focal questions

Results of the climate-related scenario analysis with respect to the focal questions

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	On 14 January 2022 the Supervisory Board of KGHM approved the Strategy of the KGHM Polska Miedź S.A. Group until 2030 with a horizon of 2040. The Strategy of KGHM until 2030 also indicates climate targets related to the reduction of emissions by KGHM, consistent with the Climate Policy of KGHM Polska Miedź S.A. On 16 November 2021 KGHM Polska Miedź S.A. adopted a Climate Policy. It describes the Company's objectives with respect to the reduction of greenhouse gas emissions over the 2030 and 2050 horizons, as well as the scope and degree of changes necessary to achieve these objectives. The ultimate goal of KGHM's Climate Policy is for the Company (Parent Entity of the KGHM Group) to achieve climate neutrality by 2050 with respect to Scope 1 greenhouse gas emissions - direct emissions related primarily to the Company's production activities, and Scope 2 - indirect emissions related to the use of electricity and heat purchased on the market, with the maximum possible reduction. The intermediate target is to reduce the total Scope 1 and Scope 2 emissions by 30% by 2030 compared to 2020 emissions. The reduction targets covering the entire KGHM Group will be made public no later than in the first half of 2023. MAIN DIRECTIONS FOR DECARBONISATION 2030 (Reduction of indirect emissions Scope 2): - Development of own zero-emission and low-emission sources - Improving energy efficiency in production divisions and streamlining technological processes - Purchase of energy from RES in PPAs Progressive reduction of direct emissions Scope 1: - Hydrogen doping in technological processes - First implementation of electromobility MAIN DIRECTIONS FOR DECARBONISATION 2050 (Total reduction of indirect emissions Scope 2 - Electricity and heat from zero- and low-carbon sources only (own sources) Maximum reduction of direct emissions: - Hydrogen technologies Use of CCU and CCS2 technologies - Electromobility - Deployment of advanced technologies within the production chain As part of the TCFD recommendations and to ensure consistency, the risk register created in the process is divided into risk categories: - physical - transitional - opportunities (which are presented under the subcategories of resource savings, energy sources, products or services, markets and business resilience).
Supply chain and/or value chain	Yes	Same as above.
Investment in R&D	Yes	Same as above.
Operations	Yes	Same as above.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Direct costs Capital expenditures Access to capital Assets Liabilities	Climate change risks and opportunities have influenced financial planning as follows: - Direct costs - the costs of charges related to CO2 emissions were taken into account; - CAPEX - investments in line with environmental requirements have been implemented; - Access to capital - opportunities to access new sources of finance are expected under the planned climate policy. All the above-mentioned factors indirectly influenced the projected level of assets and liabilities.

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number
Abs 1

Year target was set
2021

Target coverage
Business division

Scope(s)
Scope 1
Scope 2

Scope 2 accounting method
Location-based

Scope 3 category(ies)
<Not Applicable>

Base year
2020

Base year Scope 1 emissions covered by target (metric tons CO2e)
1413129

Base year Scope 2 emissions covered by target (metric tons CO2e)
1617217

Base year Scope 3 emissions covered by target (metric tons CO2e)
<Not Applicable>

Total base year emissions covered by target in all selected Scopes (metric tons CO2e)
3030346

Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

Base year Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)
<Not Applicable>

Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

Target year
2030

Targeted reduction from base year (%)
30

Total emissions in target year covered by target in all selected Scopes (metric tons CO2e) [auto-calculated]
2121242.2

Scope 1 emissions in reporting year covered by target (metric tons CO2e)
1457899

Scope 2 emissions in reporting year covered by target (metric tons CO2e)
1651717

Scope 3 emissions in reporting year covered by target (metric tons CO2e)
<Not Applicable>

Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)
3109616

% of target achieved relative to base year [auto-calculated]
-8.71957635640726

Target status in reporting year
Underway

Is this a science-based target?
No, and we do not anticipate setting one in the next 2 years

Target ambition
<Not Applicable>

Please explain target coverage and identify any exclusions

Plan for achieving target, and progress made to the end of the reporting year

List the emissions reduction initiatives which contributed most to achieving this target
<Not Applicable>

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Net-zero target(s)

C4.2c

(C4.2c) Provide details of your net-zero target(s).

Target reference number
NZ1

Target coverage
Business division

Absolute/intensity emission target(s) linked to this net-zero target
Abs1

Target year for achieving net zero
2050

Is this a science-based target?
No, and we do not anticipate setting one in the next 2 years

Please explain target coverage and identify any exclusions

Do you intend to neutralize any unabated emissions with permanent carbon removals at the target year?
Unsure

Planned milestones and/or near-term investments for neutralization at target year
<Not Applicable>

Planned actions to mitigate emissions beyond your value chain (optional)

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.
Yes

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	9	
To be implemented*	3	
Implementation commenced*	3	
Implemented*		
Not to be implemented		

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Non-energy industrial process emissions reductions	Process equipment replacement

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
Under investigation, battery-powered mining machinery: transport vehicle, drilling rig, roof bolting rig, haulage vehicle;

Initiative category & Initiative type

Low-carbon energy generation	Solar PV

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
9 PV installations projects: Implementation commenced on 3 projects, 2 projects to be implemented, 4 projects under investigation.

Initiative category & Initiative type

Low-carbon energy generation	Wind

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
1 offshore wind farms project

Initiative category & Initiative type

Low-carbon energy generation	Nuclear

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s) or Scope 3 category(ies) where emissions savings occur
Scope 2 (market-based)

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

Investment required (unit currency – as specified in C0.4)

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
On 23 September 2021 the Company entered into a tripartite agreement involving preparations for the advancement of an investment involving the construction of nuclear energy sources with NuScale Power LLC – a producer which is developing reactors based on SMR (small modular reactor) technology, and PBE Molecule Sp. z o.o. Sp. k. – an advisory company. Execution of the nuclear energy project is planned by the end of 2030, while the Company expects that the first of the nuclear reactors will be in operation in 2029.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

No

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?

No

C5.1a

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Row 1

Has there been a structural change?

No

Name of organization(s) acquired, divested from, or merged with

<Not Applicable>

Details of structural change(s), including completion dates

<Not Applicable>

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	Yes, a change in methodology Yes, a change in boundary	Due to the full implementation of the GHG protocol including the entire KGHM Group, some SCOPE 1 emissions were transferred to a subsidiary. In addition, emissions from the combustion of fuels in automotive engines were included in SCOPE 1 emissions. The activities of the Head Office have also been included.

C5.1c

(C5.1c) Have your organization's base year emissions been recalculated as result of the changes or errors reported in C5.1a and C5.1b?

	Base year recalculation	Base year emissions recalculation policy, including significance threshold
Row 1	Yes	The adopted Climate Policy of KGHM includes a procedure for calculating greenhouse gas emissions .

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start

January 1 2020

Base year end

December 31 2020

Base year emissions (metric tons CO2e)

1413129

Comment

Scope 2 (location-based)

Base year start
January 1 2020

Base year end
December 31 2020

Base year emissions (metric tons CO2e)
1617217

Comment

Scope 2 (market-based)

Base year start
January 1 2020

Base year end
December 31 2020

Base year emissions (metric tons CO2e)
1617217

Comment

Scope 3 category 1: Purchased goods and services

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 2: Capital goods

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 4: Upstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 5: Waste generated in operations

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 6: Business travel

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 7: Employee commuting

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 12: End of life treatment of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

European Union Emission Trading System (EU ETS): The Monitoring and Reporting Regulation (MMR) – General guidance for installations
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
1457899

Start date
January 1 2021

End date
December 31 2021

Comment

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
1413129

Start date
January 1 2020

End date
December 31 2020

Comment

Past year 2

Gross global Scope 1 emissions (metric tons CO2e)

Start date

End date

Comment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are reporting a Scope 2, location-based figure

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
1651717

Scope 2, market-based (if applicable)
1651717

Start date
January 1 2021

End date
December 31 2021

Comment

Past year 1

Scope 2, location-based
1617217

Scope 2, market-based (if applicable)
1617217

Start date
January 1 2020

End date
December 31 2020

Comment

Past year 2

Scope 2, location-based

Scope 2, market-based (if applicable)

Start date

End date

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?
No

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
1719599

Emissions calculation methodology
Average data method
Spend-based method
Average product method
Average spend-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
Emissions were calculated using emission factors. Due to the lack of weight data information for most materials, the emissions were determined from their financial value expressed in PLN and in emissions related to extraction, production and transport (Supply Chain) in PLN terms.

Capital goods

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
112483

Emissions calculation methodology
Hybrid method
Average data method
Spend-based method
Average product method
Average spend-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
Emissions were calculated using emission factors. Due to the lack of weight data information for most materials, the emissions were determined from their financial value expressed in PLN and in emissions related to extraction, production and transport (Supply Chain) in PLN terms.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
67368

Emissions calculation methodology
Average data method
Spend-based method
Average product method
Average spend-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
Emissions were calculated using emission factors. Due to the lack of weight data information for most materials, the emissions were determined from their financial value expressed in PLN and in emissions related to extraction, production and transport (Supply Chain) in PLN terms.

Upstream transportation and distribution

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
124045

Emissions calculation methodology
Other, please specify (Explained below)

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain
Due to the significant number of types of goods transported and the multiplicity of suppliers, data on transport from suppliers, such as the amount of fuel consumed and distance, could not be obtained. Therefore, transport-related emissions were assumed as in the Copper Industry Carbon Footprint report, International Copper Association, April 2021. The share of upstream transport emissions was 1% of total GHC emissions from the copper industry.

Waste generated in operations

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
The category covers the disposal and treatment of waste generated during the company's operations. Most of the waste generated is recycled. Only a small amount of waste (a few percent) is incinerated. GHC emissions associated with waste management are therefore not significant and have not been considered in this balance sheet.

Business travel

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
231

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
Domestic and international business trips by aeroplane, rail and bus travel and passenger vehicles were included in this category. Based on the place of departure and purpose of travel, the distances of individual trips were determined. Emissions were calculated from the emission factors for business trips according to DEFRA, expressed in kg CO2e per kilometre per passenger, for the individual modes of transport shown in the table below. Emissions from passenger vehicles were determined from the mileage of vehicles on the mission (based on the lump sum paid) and the average emission factor for all vehicle types.

Employee commuting

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
18637

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain
This category includes mass transport organised by KGHM Polska Miedź S.A., carried out by external companies, as well as own transport in vehicles belonging to employees. Organised transport is provided by buses and minibuses at all divisions, except at Legnica smelter. The distances travelled by employees in their own commuting were determined based on the distance of employees' residences from the workplace and the number of employees using their own transport. Emissions were determined from the emission factors and fuel consumption presented in the European Environment Agency report "EMEP/EEA air pollutant emission inventory guidebook 2019" (updated 2020). The age and type of vehicles for organised and employees' own transport, were determined from the latest data from the Central Statistical Office for 2018-2019. It has been conservatively assumed that own commuting is done exclusively by car.

Upstream leased assets

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Due to the small extent of asset rentals, emissions for this category are insignificant.

Downstream transportation and distribution

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
14549

Emissions calculation methodology
Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

Please explain

Processing of sold products

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Due to the huge number of uses of the substances and products produced by KGHM, it is not feasible to determine the emissions associated with the processing of these products.

Use of sold products

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Due to the huge number of uses of the substances and products produced by KGHM, it is not feasible to determine the emissions associated with the use of these products.

End of life treatment of sold products

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Due to the huge number of uses of the substances and products produced by KGHM, it is not feasible to determine the emissions associated with the end of life treatment of sold products.

Downstream leased assets

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
KGHM does not lease assets to tenants

Franchises

Evaluation status
Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain
Not applicable to KGHM Polska Miedź S.A.

Investments

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Other (upstream)

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

Other (downstream)

Evaluation status
Not evaluated

Emissions in reporting year (metric tons CO2e)
<Not Applicable>

Emissions calculation methodology
<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners
<Not Applicable>

Please explain

C6.5a

(C6.5a) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

Start date
January 1 2020

End date
December 31 2020

Scope 3: Purchased goods and services (metric tons CO2e)
870697

Scope 3: Capital goods (metric tons CO2e)
94690

Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)
58543.005

Scope 3: Upstream transportation and distribution (metric tons CO2e)
43276.412

Scope 3: Waste generated in operations (metric tons CO2e)

Scope 3: Business travel (metric tons CO2e)
289.7

Scope 3: Employee commuting (metric tons CO2e)

Scope 3: Upstream leased assets (metric tons CO2e)

Scope 3: Downstream transportation and distribution (metric tons CO2e)
14549

Scope 3: Processing of sold products (metric tons CO2e)

Scope 3: Use of sold products (metric tons CO2e)

Scope 3: End of life treatment of sold products (metric tons CO2e)

Scope 3: Downstream leased assets (metric tons CO2e)

Scope 3: Franchises (metric tons CO2e)

Scope 3: Investments (metric tons CO2e)

Scope 3: Other (upstream) (metric tons CO2e)

Scope 3: Other (downstream) (metric tons CO2e)

Comment

Past year 2

Start date

End date

Scope 3: Purchased goods and services (metric tons CO2e)

Scope 3: Capital goods (metric tons CO2e)

Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

Scope 3: Upstream transportation and distribution (metric tons CO2e)

Scope 3: Waste generated in operations (metric tons CO2e)

Scope 3: Business travel (metric tons CO2e)

Scope 3: Employee commuting (metric tons CO2e)

Scope 3: Upstream leased assets (metric tons CO2e)

Scope 3: Downstream transportation and distribution (metric tons CO2e)

Scope 3: Processing of sold products (metric tons CO2e)

Scope 3: Use of sold products (metric tons CO2e)

Scope 3: End of life treatment of sold products (metric tons CO2e)

Scope 3: Downstream leased assets (metric tons CO2e)

Scope 3: Franchises (metric tons CO2e)

Scope 3: Investments (metric tons CO2e)

Scope 3: Other (upstream) (metric tons CO2e)

Scope 3: Other (downstream) (metric tons CO2e)

Comment

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
Yes

C6.7a

(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	2984	

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

Metric denominator
Please select

Metric denominator: Unit total

Scope 2 figure used
Please select

% change from previous year

Direction of change
<Not Applicable>

Reason for change

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?

Yes

C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).

Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
CO2	1425252	IPCC Sixth Assessment Report (AR6 - 100 year)
CH4	699	IPCC Sixth Assessment Report (AR6 - 100 year)
N2O	1466	IPCC Sixth Assessment Report (AR6 - 100 year)
HFCs	30482	IPCC Sixth Assessment Report (AR6 - 100 year)

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/region.

Country/Region	Scope 1 emissions (metric tons CO2e)
Poland	1457899

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

By business division
By facility
By activity

C7.3a

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

Business division	Scope 1 emissions (metric ton CO2e)
KGHM Polska Miedź S.A.	1457899

C7.3b

(C7.3b) Break down your total gross global Scope 1 emissions by business facility.

Facility	Scope 1 emissions (metric tons CO2e)	Latitude	Longitude
Rudna Mine Division	68506	51.51646	16.14642
Polkowice-Sieroszowice Mine Division	55212	51.554139	16.158548
Concentrators Division	33428	51.487868	16.065927
Tailings Division	1951	51.511461	16.24489
Legnica Smelter and Refinery Division	36129	51.189243	16.121198
Głogów Smelter and Refinery Division	1008261	51.688651	15.978235
Cedynia Wire Rod Division	18370	51.573574	16.346828
Gas-Steam Blocks	209406	51.408879	16.196755
Lubin Mine Division	26303	51.43506	16.15866
Head Office	333	51.40881	16.19657

C7.3c

(C7.3c) Break down your total gross global Scope 1 emissions by business activity.

Activity	Scope 1 emissions (metric tons CO2e)
Mining	185401
Metallurgy	1062760
Energy Production	209406
Office	333

C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4

(C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.

	Gross Scope 1 emissions, metric tons CO2e	Net Scope 1 emissions , metric tons CO2e	Comment
Cement production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Chemicals production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Coal production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Electric utility activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Metals and mining production activities	1457899	<Not Applicable>	
Oil and gas production activities (upstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (midstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (downstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Steel production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport OEM activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport services activities	<Not Applicable>	<Not Applicable>	<Not Applicable>

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/region.

Country/Region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Poland	1651717	1651717

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

By business division
By facility
By activity

C7.6a

(C7.6a) Break down your total gross global Scope 2 emissions by business division.

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
KGHM Polska Miedź S.A.	1651717	1651717

C7.6b

(C7.6b) Break down your total gross global Scope 2 emissions by business facility.

Facility	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Rudna Mine Division	300019	300019
Polkowice-Sieroszowice Mine Division	258854	258854
Lubin Mine Division	111536	111536
Concentrators Division	363356	363356
Tailings Division	60291	60291
Legnica Smelter and Refinery Division	72551	72551
Głogów Smelter and Refinery Division	464996	464996
Cedynia Wire Rod Division	15775	15775
Gas-Steam Blocks	4339	4339

C7.6c

(C7.6c) Break down your total gross global Scope 2 emissions by business activity.

Activity	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Mining	1094056	1094056
Metallurgy	553322	553322
Energy Production	4339	4339

C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7

(C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7) Break down your organization's total gross global Scope 2 emissions by sector production activity in metric tons CO2e.

	Scope 2, location-based, metric tons CO2e	Scope 2, market-based (if applicable), metric tons CO2e	Comment
Cement production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Chemicals production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Coal production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Metals and mining production activities	1651717	1651717	
Oil and gas production activities (upstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (midstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Oil and gas production activities (downstream)	<Not Applicable>	<Not Applicable>	<Not Applicable>
Steel production activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport OEM activities	<Not Applicable>	<Not Applicable>	<Not Applicable>
Transport services activities	<Not Applicable>	<Not Applicable>	<Not Applicable>

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Increased

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable>		
Other emissions reduction activities		<Not Applicable>		
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output		<Not Applicable>		
Change in methodology		<Not Applicable>		
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other	79270	Increased	2.62	The slight increase in emissions in SCOPE 1 and 2 is due to the increase in electrolytic copper production

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Location-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	Yes
Consumption of purchased or acquired steam	Yes
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	LHV (lower heating value)	0	2169839	2169839
Consumption of purchased or acquired electricity	<Not Applicable>	0	2516289.92	2516289.92
Consumption of purchased or acquired heat	<Not Applicable>	0	155932.22	155932.22
Consumption of purchased or acquired steam	<Not Applicable>	0	153211.11	153211.11
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	0	<Not Applicable>	0
Total energy consumption	<Not Applicable>	0	4995272.26	4995272.26

C-MM8.2a

(C-MM8.2a) Report your organization's energy consumption totals (excluding feedstocks) for metals and mining production activities in MWh.

	Heating value	Total MWh
Consumption of fuel (excluding feedstocks)	LHV (lower heating value)	2169839
Consumption of purchased or acquired electricity	<Not Applicable>	2516289.92
Consumption of purchased or acquired heat	<Not Applicable>	155932.22
Consumption of purchased or acquired steam	<Not Applicable>	153211.11
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	0
Total energy consumption	<Not Applicable>	4995272.26

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Please select
Consumption of fuel for the generation of heat	Please select
Consumption of fuel for the generation of steam	Please select
Consumption of fuel for the generation of cooling	Please select
Consumption of fuel for co-generation or tri-generation	Please select

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other biomass

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Coal

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Oil

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Gas

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other non-renewable fuels (e.g. non-renewable hydrogen)

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Total fuel

Heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity
<Not Applicable>

MWh fuel consumed for self-generation of heat
<Not Applicable>

MWh fuel consumed for self-generation of steam
<Not Applicable>

MWh fuel consumed for self-generation of cooling
<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

C8.2d

(C8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.

	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	567597.14	567597.14	0	0
Heat	409539.17	15427.78	0	0
Steam	540980.28	522088.89	0	0
Cooling	0	0	0	0

C-MM8.2d

(C-MM8.2d) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed for metals and mining production activities.

	Total gross generation (MWh) inside metals and mining sector boundary	Generation that is consumed (MWh) inside metals and mining sector boundary
Electricity	567597.14	567597.14
Heat	409539.17	15427.78
Steam	540980.28	522088.89
Cooling	0	0

C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in C6.3.

C8.2g

(C8.2g) Provide a breakdown of your non-fuel energy consumption by country.

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

C-MM9.3a

(C-MM9.3a) Provide details on the commodities relevant to the mining production activities of your organization.

C-MM9.3b

(C-MM9.3b) Provide details on the commodities relevant to the metals production activities of your organization.

C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6

(C-CE9.6/C-CG9.6/C-CH9.6/C-CN9.6/C-CO9.6/C-EU9.6/C-MM9.6/C-OG9.6/C-RE9.6/C-ST9.6/C-TO9.6/C-TS9.6) Does your organization invest in research and development (R&D) of low-carbon products or services related to your sector activities?

	Investment in low-carbon R&D	Comment
Row 1	Please select	

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	No third-party verification or assurance
Scope 3	No third-party verification or assurance

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Third party verification/assurance underway

Attach the statement

Page/ section reference

Relevant standard
Please select

Proportion of reported emissions verified (%)
86

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
Please select

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Yes

C11.1a

(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.

EU ETS

C11.1b

(C11.1b) Complete the following table for each of the emissions trading schemes you are regulated by.

EU ETS

% of Scope 1 emissions covered by the ETS

% of Scope 2 emissions covered by the ETS

Period start date

January 1 2021

Period end date

December 31 2021

Allowances allocated

910519

Allowances purchased

643589

Verified Scope 1 emissions in metric tons CO2e

Verified Scope 2 emissions in metric tons CO2e

Details of ownership

Facilities we own and operate

Comment

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

C11.2

(C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

C11.3

(C11.3) Does your organization use an internal price on carbon?

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers

Yes, our customers/clients

Yes, other partners in the value chain

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

C12.1d

(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

Direct or indirect engagement that could influence policy, law, or regulation that may impact the climate

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?
<Not Applicable>

Attach commitment or position statement(s)
<Not Applicable>

Describe the process(es) your organization has in place to ensure that your engagement activities are consistent with your overall climate change strategy

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate
<Not Applicable>

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.2

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	Please select	<Not Applicable>	<Not Applicable>

C15.3

(C15.3) Does your organization assess the impact of its value chain on biodiversity?

	Does your organization assess the impact of its value chain on biodiversity?	Portfolio
Row 1	Please select	<Not Applicable>

C15.4

(C15.4) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity- related commitments
Row 1	Yes, we are taking actions to progress our biodiversity-related commitments	Please select

C15.5

(C15.5) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	Please select	Please select

C15.6

(C15.6) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
In mainstream financial reports	Impacts on biodiversity	Non-Financial Report of KGHM Polska Miedź S.A. and the KGHM Polska Miedz S.A. Group for 2021, pages 165-168 Non-Financial Report of KGHM Polska Miedź S.A. and the KGHM Polska Miedz S.A. Group for 2021.pdf

C16. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Director, Investor Relations	Please select

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

SC4.1

(SC4.1) Are you providing product level data for your organization's goods or services?

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

The European Climate Pact Submission

Please indicate your consent for CDP to showcase your disclosed environmental actions on the European Climate Pact website as pledges to the Pact.
Yes, we wish to pledge to the European Climate Pact through our CDP disclosure

Please confirm below
I have read and accept the applicable Terms