

# Welcome to your CDP Climate Change Questionnaire 2021

## C0. Introduction

### C0.1

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

ANSYS, Inc. (Ansys, we, us, our), a Delaware corporation formed in 1994, develops and globally markets engineering simulation software and services widely used by engineers, designers, researchers and students across a broad spectrum of industries and academia, including aerospace and defense, automotive, electronics, semiconductors, energy, materials and chemical processing, turbomachinery, consumer products, healthcare, and sports. Headquartered south of Canonsburg, Pennsylvania, we employed approximately 4,800 people as of December 31, 2020. We focus on the development of open and flexible solutions that enable users to analyze designs directly on the desktop, providing a common platform for fast, efficient and cost-conscious product development, from design concept to final-stage testing and validation. We distribute our suite of simulation technologies through a global network of independent resellers and distributors (collectively, channel partners) and direct sales offices in strategic, global locations. It is our intention to continue to maintain this hybrid sales and distribution model. We operate and report as one segment.

Innovation, inclusiveness, transparency and integrity are key components of Ansys' culture and values. Building high-quality, innovative products is the core of our business, and we are committed to creating sustainable, long-term value for our key stakeholders: our investors, customers, employees and partners. We are also responsible for sustaining and improving the environment in which we function. We are committed to having a positive impact on the lives of people and improving the sustainability of the planet through our products and practices.

Innovative technologies like simulation software can play a critical role in addressing the climate crisis. As the global leader in simulation software, Ansys is well positioned to provide technology solutions that support and enable the sustainability goals of our customers across diverse industries. Our solutions have a positive impact on the environment by helping our customers reduce the use of resources while increasing efficiency and productivity. While the typical carbon footprint in our industry is relatively light, Ansys is committed to the conservation and sustainability of our planet's resources by aiming to operate our business in ways that continue to reduce our environmental impact and carbon footprint. Discovering and implementing efficient ways to make things operate – with minimal use of physical resources – is at the very heart of our vision of pervasive simulation. Ansys is environmentally responsible

in its operations, and we encourage and support our stakeholders, including our vendors and customers, to do the same.

In 2020, Ansys acquired Lumerical and AGI. Our operations within our operational control consisted of approximately 90 owned or leased office spaces in the Americas, APAC, and EMEA.

## 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
Reporting year	January 1, 2020	December 31, 2020	No

## C0.3

**(C0.3) Select the countries/areas for which you will be supplying data.**

- Belgium
- Canada
- China
- France
- Germany
- Greece
- India
- Israel
- Italy
- Japan
- Netherlands
- Republic of Korea
- Spain
- Sweden
- Switzerland
- Taiwan, Greater China
- United Kingdom of Great Britain and Northern Ireland
- United States of America

## C0.4

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

- USD

## 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.**

Operational control

## 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	Ansys recognizes the importance of establishing governance mechanisms for the oversight of broader environmental, social, and governance (ESG) topics, including climate-related issues. Currently, Ansys’s corporate responsibility committee (CR committee) presents ESG (including climate-related) issues to Board of Directors, so that they are made aware of the committee’s ESG-related activities. We plan to continue working with our General Counsel and sponsors to implement a process for board-level oversight of climate-related issues. These processes were not yet in place in the reporting period.	Yes, we plan to do so within the next two years	During the reporting period, the management and assessment of all ESG issues, including climate-related issues, was tasked by a group of employees from various business divisions within Ansys, including representatives from our legal, finance, facilities, investor relations, and human resources teams. This group, chaired by our VP and General Counsel, has created an environmental task team to evaluate climate-related issues for the Board. Most recently, Ansys performed a preliminary assessment to evaluate climate-related issues, via a targeted internal survey to identify potential substantive climate-related risks and opportunities. In the next two years,

			we intend to integrate the climate-related risks that were identified as potentially substantive in our preliminary assessment into our company-wide ERM process in order to determine if any of the risks are substantive to our business. The Nominating and Governance Committee of the Board will be involved in this process.
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## 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)	Responsibility	Frequency of reporting to the board on climate-related issues
Corporate responsibility committee	Both assessing and managing climate-related risks and opportunities	Half-yearly

## 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).**

Within our organizational structure, our corporate responsibility program is managed by our CR committee, a committee of select senior leaders from our human resources, finance, industry marketing, communications, investor relations, legal, procurement and facilities departments. Our general counsel chairs this committee. The Chairperson of the CR committee reports progress to the CEO and to the board of directors, which has oversight over our CR activity through its Nominating and Corporate Governance Committee. The Nominating and Corporate Governance Committee guides the CR program’s direction and monitors its progress. In 2020, the CR committee also formed two task teams to address specific topics. One such task team focuses on environmental sustainability, which includes the assessment and monitoring of climate-related issues. Task teams report to and receive oversight from the CR committee. Climate-related issues have been assigned to the CR committee because of its interdisciplinary structure allows climate-related issues to be monitored within all aspects of our company.

## 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	Comment

	of climate-related issues	
Row 1	No, and we do not plan to introduce them in the next two years	We have prioritized other foundational initiatives for our corporate responsibility program. Specifically, we completed our first CDP Climate Change response, calculated a scope 1 and 2 GHG inventory for our full global real estate portfolio in order to establishing key performance indicators (KPIs) to drive future equitable investments and initiatives, and conducted a preliminary assessment of climate-related risks and opportunities. We intend to continuously further enhance our program.

## 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	2	
Medium-term	2	5	
Long-term	5	10	

#### C2.1b

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

For CDP reporting and our preliminary climate-related risks and opportunities assessment, we defined substantive financial or strategic impact on our business as the following: (a) a revenue or expense impact greater than \$16 million (which is approximately one percent of Ansys's FY2020 revenue), or (b) a medium to high impact on shareholder value, investor confidence and additional funding, brand reputation, customer engagement, disruption to the business and/or operations, and regulator involvement. A risk or opportunity that meets or exceeds either or both thresholds would be considered substantive. Please note, this definition of "substantive impact" for CDP reporting may not align with material impact defined in Ansys's SEC filings.

## 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

A specific climate-related risk management process

### Frequency of assessment

Not defined

### Time horizon(s) covered

- Short-term
- Medium-term
- Long-term

### Description of process

To determine which risks and/or opportunities could have a substantive financial or strategic impact on our business, Ansys's CR committee, chaired by our VP and General Counsel, administered a preliminary survey to an interdisciplinary group of employees within our organization from the following departments: finance, procurement, sales and marketing, investor relations, information technology, facilities, and legal. This survey presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business.

In the next two years, we intend to incorporate the most commonly identified possible substantive climate-related risks and opportunities from this survey into the Company's Enterprise Risk Management process to determine which may have a substantive financial or strategic impact on our business. For those risks or opportunities deemed substantive, we will further assess the nature of the risk/opportunity profile in terms of likelihood and impact, in order to evaluate controls to help mitigate top risks and identify gaps or questions about the strength or effectiveness of current controls.

## C2.2a

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

Relevance & inclusion	Please explain

<p>Current regulation</p>	<p>Relevant, sometimes included</p>	<p>To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Current regulation risks were included in this survey, because Ansys is a global business with over 90 sites in the Americas, APAC, and EMEA, thus risk due to carbon pricing mechanisms or emissions reporting obligations in various countries where we operate could be substantive. An example of a specific risk considered in our assessment is carbon pricing mechanisms. This is not currently affecting any of Ansys's operations, however, such regulations may become relevant in our operations in EMEA.</p>
<p>Emerging regulation</p>	<p>Relevant, sometimes included</p>	<p>To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Emerging regulation risks were included in this survey, because Ansys is a global business with over 90 sites in the Americas, APAC, and EMEA, thus risk due to carbon pricing mechanisms or emissions reporting obligations in various countries where we operate could be substantive. An example of a specific risk considered in our assessment is enhanced emissions reporting obligations. As simulation usage continues to grow, it is likely that customer access to our solutions becomes increasingly cloud based "as a service". In such scenario, our contribution to energy demand in data centers could increase. More and more, regulators are looking at the energy use and efficiency of data centers and any corrective measures may indirectly impact the users of data centers such as Ansys.</p>
<p>Technology</p>	<p>Relevant, sometimes included</p>	<p>To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Technology risks were included in this survey, because as a developer of engineering simulation software, Ansys must invest in R&amp;D to develop simulation software for emerging technologies. An example of a specific risk considered in our assessment is the challenges to widespread electric vehicle (EV) adoption. Challenges include cost, drive range and charging</p>

		<p>requirements, and performance. Ansys reduces the risk of EV non-adoption by reducing EV development time to market for customers and improvement in energy efficiency in the vehicle. The faster EV technology is brought to market, the sooner the environmental impact is realized. In 2020, Ansys developed its first product handprint use case study on simulation product handprint for electric vehicles. This effort determined that using simulation results in a 50% reduction in overall electric vehicle development time, a 76% reduction in AC drive development time, and a 12% improvement in power density and energy efficiency.</p>
Legal	Relevant, sometimes included	<p>To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Legal risks were included in this survey, because Ansys is a global business with over 90 sites in the Americas, APAC, and EMEA, thus to ensure our compliance with relevant regional, national and international climate laws and policies in all locations where we operate, we must monitor legal risks at a regional and country level. We have not received any climate-related litigation claims to date and are not aware of any potential climate-related compliance issues nor any exposure to date.</p>
Market	Relevant, sometimes included	<p>To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Market risks were included in this survey, because as a technology company, we are increasingly focused on identifying and capitalizing on new market opportunities related to the development of climate change solutions to meet the changing needs of our customers. Climate change can influence consumer behavior, driving higher demand for energy-efficient technology products and services. An example of a specific risk considered in our assessment is the management of natural resource use associated with our IT infrastructure. Given the nature of our business, this is an important to our stakeholders, especially because data centers need to be powered continuously and need cooling. We are focused also on the increased security, availability, and scalability expectations for our IT infrastructure. We believe these objectives could be achieved by moving from traditional on-premises infrastructure to high-efficiency colocation or public cloud providers. In addition to the efficiency gains of sharing economy, our data center</p>

		strategy includes selecting providers that can offer higher energy efficiency standards in the industry and show commitment to environmental sustainability by use of renewable energy or to carbon neutrality. We believe it is important for us to develop our cloud-based business on platforms of the cloud companies that sufficiently meet their commitments towards climate change. Lack of initiatives in this area could lead to the dissatisfaction of our customers.
Reputation	Relevant, sometimes included	To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Reputation risks were included in this survey, because as a technology company, we are increasingly focused on identifying and capitalizing on new market opportunities related to the development of climate change solutions to meet the changing needs of our customers. Climate change can influence consumer behavior, driving higher demand for energy-efficient technology products and services. An example of a specific risk considered in our assessment is the management of natural resource use associated with our IT infrastructure. Given the nature of our business, this is an important to our stakeholders, especially because data centers need to be powered continuously and need cooling. We are focused also on the increased security, availability, and scalability expectations for our IT infrastructure. We believe these objectives could be achieved by moving from traditional on-premises infrastructure to high-efficiency colocation or public cloud providers. In addition to the efficiency gains of sharing economy, our data center strategy includes selecting providers that can offer higher energy efficiency standards in the industry and show commitment to environmental sustainability by use of renewable energy or to carbon neutrality. We believe it is important for us to develop our cloud-based business on platforms of the cloud companies that sufficiently meet their commitments towards climate change. Lack of initiatives in this area could lead to the dissatisfaction of our customers.
Acute physical	Relevant, sometimes included	To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Acute physical risks were included in this survey, because Ansys is a global business with over 90 sites in the Americas, APAC, and EMEA, thus risk due to increased severity and frequency of severe weather events in the various countries where

		we operate could be substantive. Additionally, business disruption due to severe weather impacts on our customers and suppliers' operations could adversely affect our business.
Chronic physical	Relevant, sometimes included	To determine which risks could have a substantive financial or strategic impact on our business, Ansys's CR committee administered a preliminary survey to an interdisciplinary group of employees within our organization that presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Chronic physical risks were included in this survey, because Ansys is a global business with over 90 sites in the Americas, APAC, and EMEA, thus risk due to changes in weather patterns or rising mean temperatures in the various countries where we operate could be substantive. Additionally, business disruption due to adverse weather conditions at our customers and suppliers' operations could adversely affect our business.

### 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?**

No

### C2.3b

**(C2.3b) Why do you not consider your organization to be exposed to climate-related risks with the potential to have a substantive financial or strategic impact on your business?**

	Primary reason	Please explain
Row 1	Evaluation in process	<p>To determine which risks and/or opportunities could have a substantive financial or strategic impact on our business, Ansys's CR committee, chaired by our VP and General Counsel, administered a survey to an interdisciplinary group of employees within our organization from the following departments: finance, procurement, sales and marketing, investor relations, information technology, facilities, and legal. This survey presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Please note, our response is based on this preliminary assessment administered by our CR committee, however the results will be further evaluated through company's Enterprise Risk Management (ERM) process.</p> <p>In the next two years, we plan to incorporate the most commonly identified possible substantive climate-related risks and opportunities from this survey into the Company's ERM process to determine which may have a substantive financial or strategic impact on our business. Ansys's ERM process typically</p>

		begins by strategic analysis to determine the general risk universe, which would be further calibrated in a focused consultation with our executive leadership of the Company. A tailored risk universe then forms the basis of our risk assessment surveys with a broader group of respondents within the company evaluate the impact, likelihood and management abilities with respect to each risk. The results are further analyzed for a risk response strategy and a mitigation plan and is monitored on an ongoing basis. Controls are evaluated for effective mitigation of top risks and gaps identified are remediated.
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## 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?**

No

## C2.4b

**(C2.4b) Why do you not consider your organization to have climate-related opportunities?**

	Primary reason	Please explain
Row 1	Evaluation in progress	<p>To determine which risks and/or opportunities could have a substantive financial or strategic impact on our business, Ansys’s CR committee, chaired by our VP and General Counsel, administered a survey to an interdisciplinary group of employees within our organization from the following departments: finance, procurement, sales and marketing, investor relations, information technology, facilities, and legal. This survey presented all possible climate-related risks and opportunities (both transitional and physical) and asked respondents to select if each has the potential to have a substantive financial or strategic impact on our business. Please note, our response is based on this preliminary assessment administered by our CR committee, however the results will be further evaluated through company’s Enterprise Risk Management (ERM) process.</p> <p>In the next two years, we plan to incorporate the most commonly identified possible substantive climate-related risks and opportunities from this survey into the Company’s ERM process to determine which may have a substantive financial or strategic impact on our business. Ansys’s ERM process typically begins by strategic analysis to determine the general risk universe, which would be further calibrated in a focused consultation with our executive leadership of the Company. A tailored risk universe then forms the basis of our risk assessment surveys with a broader group of respondents within the company evaluate the impact, likelihood and management abilities with respect to each risk. The results are further analyzed for a risk response strategy and a mitigation plan and is monitored on an ongoing basis. Controls are evaluated for effective mitigation of top risks and gaps identified are remediated.</p>

## C3. Business Strategy

### C3.1

**(C3.1) Have climate-related risks and opportunities influenced your organization’s strategy and/or financial planning?**

Yes

### C3.1b

**(C3.1b) Does your organization intend to publish a low-carbon transition plan in the next two years?**

	Intention to publish a low-carbon transition plan	Comment
Row 1	No, we do not intend to publish a low-carbon transition plan in the next two years	Ansys has not yet published a low-carbon transition plan because to date, we have prioritized more foundational initiatives for our corporate responsibility program. Specifically, we completed our first CDP Climate Change response, calculated a scope 1 and 2 GHG inventory for our full global real estate portfolio in order to establishing key performance indicators (KPIs) to drive future equitable investments and initiatives, and conducted a preliminary assessment of climate-related risks and opportunities. Next, we intend on focusing on evaluating our scope 3 GHG emissions and furthering our alignment with the TCFD Recommendations via a gap analysis and further evaluation of climate-related risks and opportunities. Ansys recognizes the importance of creating a low carbon transition plan and aspires to create one in the future.

### C3.2

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

No, and we do not anticipate doing so in the next two years

### C3.2b

**(C3.2b) Why does your organization not use climate-related scenario analysis to inform its strategy?**

Climate-related scenario analysis is currently not used to inform our business strategy because to date, we have prioritized other foundational initiatives for our corporate responsibility program. Specifically, we completed our first CDP Climate Change response, calculated a scope 1 and 2 GHG inventory for our full global real estate portfolio in order to establishing key performance indicators (KPIs) to drive future equitable investments and initiatives, and conducted a preliminary assessment of climate-related risks and opportunities. Next, we are

focusing on evaluating our scope 3 GHG emissions and furthering our alignment with the TCFD Recommendations via a gap analysis and further evaluation of climate-related risks and opportunities. We aspire to use climate-related scenario analysis beyond the next two years.

### 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	<p>Our strategy for products and services have been influenced by climate-related risks and opportunities because as a creator of engineering simulation software that positively impacts our customers GHG footprint by helping our customers reduce the use of resources, we have increased our efforts to measure the environmental benefits of our products. Recently, our sales team conducted a survey of potential products to determine which products to develop product handprint use case studies for. As the global leader in simulation software, Ansys is well positioned to provide technology solutions that support and enable the sustainability goals of our customers across diverse industries, thus we are developing these studies in order to enhance our product offerings. The time horizon covered by this strategy in this area is long-term.</p> <p>Case study of the most substantial strategic decision made in this area to date that have been influenced by the climate-related risks and opportunities: 1) Situation: In 2020, Ansys developed its first product handprint use case study on simulation product handprint for electric vehicles in order to illustrate how Ansys simulation helps its customers to reduce their own carbon footprint and the footprint of their product. 2) Task: Ansys needed to create a product handprint case study to explain and quantify the efficiency gains achieved by using Ansys simulation in developing electric vehicles. 3) Action: To complete this case study, Ansys commissioned the study to be completed by Evalueserve in 2020. The study references vehicle carbon emissions of ICEs and EVs compared throughout lifecycle. The range of emission savings is based on fleet forecasts prepared by BloomberNEF and IEA Stated Policies Scenario 4) Result: As a result, we determined that using</p>

		simulation results in a 50% reduction in overall electric vehicle development time, a 76% reduction in AC drive development time, and a 12% improvement in power density and energy efficiency.
Supply chain and/or value chain	Yes	<p>Our strategy for our supply chain has been influenced by climate-related risks and opportunities because our CR committee continues to engage with our procurement team to factor in ESG considerations, including climate change-related issues, into our vendor evaluations via our Third Party Risk Management Working Group. Additionally, as part of our existing procurement strategy we select materials that meet ESG-related criteria, including Environmental Product Declarations and EPA WaterSense. The time horizon covered by this strategy in this area is short-term.</p> <p>Case study of the most substantial strategic decision made in this area to date that have been influenced by the climate-related risks and opportunities: 1) Situation: Ansys receives requests from investors to provide information on its sustainability strategy in our supply chain. 2) Task: In 2020, Ansys determined there was a need for a formal program to guide the integration of ESG considerations, including climate-related issues, into our procurement strategy for our leased offices. 3) Action: We began forming our global workplace guidelines to provide guidance on overall site selection by including Sustainable Building Certifications such as LEED, BREEAM and Energy Star as our selection criteria. In addition, we are including the procurement of energy, water, and waste into our lease language so that we can begin to track and monitor our usage as locations turn-over. The interior Furniture, Finish, and Equipment (FF&amp;E) specifications outline our preference to sustainable certifications such as Green Guard, BIFMA levels, Health Product Declaration and Environmental Product Declaration. 4) Result: Ultimately, the Global Workplace Guidelines are expected to drive investment prioritization (e.g., how long leases are for, where they are located, etc.)</p>
Investment in R&D	Yes	Our strategy for investment in R&D has been influenced by climate-related risks and opportunities because we focus our R&D efforts on developing solutions that enable climate benefits. Our growth and financial strength reflect our leading technology position and commitment to innovation.

		<p>This commitment ensures progress toward our goal of enabling Pervasive Engineering Simulation™, the trend of simulation being adopted across entire product lifecycle, empowering engineers to imagine and evaluate more design options, while helping our customers combine simulations to optimize their products throughout the product lifecycle. In the last three years, at least 18% of our annual revenue was invested in R&amp;D, expanding ease of use and capabilities of our broad portfolio. In 2020, we introduced an entire array of innovations from individual applications to enterprise platforms and solutions. The time horizon covered by this strategy in this area is long-term.</p> <p>Further, we introduced our internal technical conference, TechCon, where hundreds of novel and unique product and technology ideas are presented to Ansys engineers, spurring new ideas and lateral thinking across discipline areas. Innovations are formally recognized and rewarded through the CEO Innovation Award process, a culmination in awards in several categories at TechCon. For the second consecutive year, we were added to 2020 list of Best Workplaces for Innovators developed by Fast Company in collaboration with Accenture.</p> <p>Our efforts on innovation reflect the transformative products and features we have introduced recently. We continue to add innovative features and core technology capabilities of Ansys software, including topology optimization, machine learning, additive manufacturing capabilities and high-performance computing (HPC) methods. For example, advanced sensor capabilities will benefit customers working to deliver autonomous vehicles (AV) and advanced driver assistance systems (ADAS). In the era of connected vehicles, Ansys medini analyze gives users in the automotive industry the ability to systematically analyze and assess security threats to their system designs. Our digital twin tool (Twin Builder) now has a battery wizard to help advance our customers across industries with predictive maintenance efforts through virtual construction of battery cells, modules, models and parameters.</p>
Operations	Yes	<p>Our strategy for our operations has been influenced by climate-related risks and opportunities because Ansys is committed to more environmentally sustainable workplaces. Over the past year we strengthened our approach by measuring our scope 1 and 2 GHG emissions and establishing an energy baseline. Additionally, we actively</p>

		<p>seek opportunities to lease locations that have sustainable building certifications such as U.S. Green Building Council Leadership in Energy and Environmental Design (LEED), Building Research Establishment Environmental Assessment Method (BREEAM), and Energy Star. We plan to incorporate health and well-being in our workplaces, by incorporating daylight and views, biomimicry, exploring opportunities to decrease energy, water and waste consumption, and outlining preferences to sustainable furniture certifications, such as Green Guard, BIFMA Levels, Health Product Declaration and Environmental Product Declaration. The time horizon covered by this strategy in this area is medium-term.</p> <p>Case study of the most substantial strategic decision made in this area to date that have been influenced by the climate-related risks and opportunities: 1) Situation: We recognize that managing natural resources associated with our IT infrastructure is important to our stakeholders, data centers need to be powered continuously and need cooling. We are also focused on increased security, availability, and scalability expectations for our IT infrastructure. 2) Task: Due to climate-related considerations, a key driver to our IT team’s strategy is to move away from datacenters to cloud services. 3) Action: These objectives could be achieved by shifting from traditional on-premises infrastructure to high-efficiency colocation or public cloud providers. In addition to the efficiency gains of sharing economy, our data center strategy includes selecting providers that can offer higher energy efficiency standards and show commitment to environmental sustainability by use of renewable energy or to carbon neutrality. In tandem, our energy saving measures for our larger data centers include motion sensitive lighting, replacement of inefficient old equipment with more efficient technology and free-cooling or cool aisle containment. 4) Result: Continue to evaluate our strategy for our data centers for opportunities to reduce our footprint and meet stakeholder expectations.</p>
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### C3.4

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

Financial planning elements that	Description of influence
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	have been influenced	
Row 1	Indirect costs	<p>Climate-related risks and opportunities have influenced our indirect costs due to our investments to develop product handprint case studies. The time horizon covered by this strategy for our indirect costs is short-term.</p> <p>Case study of how climate-related risks and opportunities have influenced our indirect costs: 1) Situation: In 2020, Ansys invested resources to develop its first product handprint use case study on simulation product handprint for electric vehicles in order to illustrate how Ansys simulation helps its customers to reduce their own carbon footprint and the footprint of their product. 2) Task: Ansys needed to create a product handprint case study to explain and quantify the efficiency gains achieved by using Ansys simulation in developing electric vehicles. 3) Action: To complete this case study, Ansys commissioned the study to be completed by Evalueserve in 2020. The study references vehicle carbon emissions of ICEs and EVs compared throughout lifecycle. The range of emission savings is based on fleet forecasts prepared by BloombergNEF and IEA Stated Policies Scenario 4) Result: As a result, we determined that using simulation results in a 50% reduction in overall electric vehicle development time, a 76% reduction in AC drive development time, and a 12% improvement in power density and energy efficiency.</p>

### C3.4a

**(C3.4a) Provide any additional information on how climate-related risks and opportunities have influenced your strategy and financial planning (optional).**

## C4. Targets and performance

### C4.1

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

No target

### C4.1c

**(C4.1c) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.**

	Primary reason	Five-year forecast	Please explain
Row 1	We are planning to introduce a	In 2020, Ansys planned for ASHRAE level 2 commercial building energy audits at three of our key facilities, covering 24% of	In 2020, Ansys acquired Lumerical and AGI. Due to the number of acquisitions in the past two years,

<p>target in the next two years</p>	<p>our real estate portfolio based on square footage. Once these have been completed in 2021, we intend to target additional locations for such audits with an approach of having over a third of our real estate portfolio by square footage by an ASHRAE Level 2 Energy Audit. These efforts may lead Ansys towards its aspiration of strategically developing a roadmap to plan and budget for capital investment energy reduction initiatives while potentially establishing a meaningful year-over-year reduction target. The time horizon for this activity would be guided by results of the energy audits and capital investment strategy.</p> <p>The trend in our total emissions is contingent on the company’s evolving real estate portfolio due to acquisitions. In 2020, we developed a Global Real Estate Strategy that includes projections for our real estate square footage, which has informed the likelihood and impact of future mergers or acquisitions on our GHG emissions. The Global Real Estate Strategy was presented to the Executive Leadership team June 2021, which was an analysis of internal and external data consisting of sales, talent and real estate benchmarks. The analysis resulted in recommendations of site tiering and investment prioritization as well as lease terms. This strategy will influence which locations to consider additional capital investment opportunities for energy reduction strategies.</p>	<p>the real estate team prioritized completing a GHG inventory for our full global real estate portfolio and establishing key performance indicators (KPIs) to drive future equitable investments and initiatives. By establishing KPIs, investments in the global real estate portfolio became clear and a strategic roadmap was developed to drive investment prioritization. Ansys plans to implement emissions reduction initiatives following completion of energy audits in our key facilities. Following, we plan to implement emissions reductions projects based on emissions reduction potential and return on investment. As part of these efforts, Ansys also plans to establish energy/GHG emissions reduction targets to guide our ambition as a company.</p>
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## C4.2

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

No other climate-related targets

## 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.**

No

## C4.3d

**(C4.3d) Why did you not have any emissions reduction initiatives active during the reporting year?**

In 2020, Ansys acquired Lumerical and AGI. Due to the number of acquisitions in the past two years, the real estate team prioritized completing a GHG inventory for our full global real estate portfolio and establishing key performance indicators (KPIs) to drive future equitable investments and initiatives. By establishing KPIs, investments in the global real estate portfolio became clear and a strategic roadmap was developed to drive investment prioritization.

Also, in 2020, Ansys pursued creative and cost-effective solutions and to save energy and water and to recycle waste at our facilities and data centers. These were implemented by local facility managers on a project basis and vary across offices depending on the locally available resources and opportunities. Our energy-saving measures include motion-sensitive lighting, night/weekend HVAC setbacks, LED lights, and free-cooling or cool aisle containment for data centers. Our waste-related measures generally include recycling IT equipment and computers, paper and other waste, reducing paper consumption and plastic cup usage, and the use of green-certified materials for new interior construction work. We also began working towards moving from ad-hoc projects to a formal program for energy efficiency initiatives. As a global organization, we have begun working with local facility managers to implement initiatives that feed into our overall corporate strategy. In 2020, Ansys planned for ASHRAE level 2 commercial building energy audits at three of our key facilities, covering 24% of our real estate portfolio based on square footage. Once these have been completed in 2021, we intend to target additional locations for such audits with an approach of having over a third of our real estate portfolio by square footage by an ASHRAE Level 2 Energy Audit. These efforts may lead Ansys towards its aspiration of strategically developing a roadmap to plan and budget for capital investment energy reduction initiatives while potentially establishing a meaningful year-over-year reduction target.

Our headquarters in Canonsburg, PA in the USA is LEED-certified, and similar certifications are carried by our Sheffield, UK, Beijing, Chengdu (sales office) and Shanghai, China, and Hyderabad, India offices. We actively seek opportunities to lease locations that have sustainable building certifications such as U.S. Green Building Council Leadership in Energy and Environmental Design (LEED), Building Research Establishment Environmental Assessment Method (BREEAM), and Energy Star certifications.

In addition, our energy saving measures for our larger data centers include motion sensitive lighting, the replacement of inefficient old equipment with more efficient technology and free-

cooling or cool aisle containment, based on the opportunities available at each location. We recognize that managing the natural resource use associated with our IT infrastructure is important to our stakeholders, especially given that data centers need to be powered continuously and need cooling. We are focused also on the increased security, availability, and scalability expectations for our IT infrastructure. We believe these objectives could be achieved by moving from traditional on-premises infrastructure to high-efficiency colocation or public cloud providers. In addition to the efficiency gains of sharing economy, our data center strategy includes selecting providers that can offer higher energy efficiency standards in the industry and show commitment to environmental sustainability by use of renewable energy or to carbon neutrality.

Ansys plans to consider implementing emissions reduction initiatives following completion of energy audits in our key facilities based on emissions reduction potential and return on investment. These efforts may lead Ansys towards its aspiration of establishing energy/GHG emissions reduction targets to guide our ambition as a company.

## C4.5

**(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?**

Yes

### C4.5a

**(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.**

---

#### **Level of aggregation**

Group of products

#### **Description of product/Group of products**

As a creator of engineering simulation software, our products positively impact our customers GHG footprint by helping our customers reduce the use of resources while increasing efficiency and productivity.

In 2020, Ansys developed its first product handprint use case study on simulation product handprint for electric vehicles in order to illustrate how Ansys simulation helps its customers to reduce their own carbon footprint and the footprint of their product. This effort determined that using simulation results in a 50% reduction in overall electric vehicle development time, a 76% reduction in AC drive development time, and a 12% improvement in power density and energy efficiency. This study was completed by Evalueserve. It references vehicle carbon emissions of ICEs and EVs compared throughout lifecycle. The range of emission savings is based on fleet forecasts prepared by BloomerNEF and IEA Stated Policies Scenario.

**Are these low-carbon product(s) or do they enable avoided emissions?**

Avoided emissions

**Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions**

Other, please specify

Internal classification

**% revenue from low carbon product(s) in the reporting year**

**Comment**

## **C5. Emissions methodology**

### **C5.1**

**(C5.1) Provide your base year and base year emissions (Scopes 1 and 2).**

#### **Scope 1**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

2,159

**Comment**

#### **Scope 2 (location-based)**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

14,117

**Comment**

#### **Scope 2 (market-based)**

---

**Base year start**

January 1, 2019

**Base year end**

December 31, 2019

**Base year emissions (metric tons CO<sub>2</sub>e)**

14,475

**Comment**

## C5.2

**(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.**

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 CO<sub>2</sub>e?**

**Reporting year**

---

**Gross global Scope 1 emissions (metric tons CO<sub>2</sub>e)**

2,485

**Comment**

Ansys updated its calculation methodology in 2020 for our leased sites where we do not have actual utility data. Thus, we have restated 2019 data using the updated methodology, for comparability.

### 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**

Ansys updated its calculation methodology in 2020 for our leased sites where we do not have actual utility data. Thus, we have restated 2019 data using the updated methodology, for comparability.

## C6.3

**(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO<sub>2</sub>e?**

### Reporting year

---

**Scope 2, location-based**

13,135

**Scope 2, market-based (if applicable)**

13,560

**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, not yet calculated

**Please explain**

### Capital goods

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

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

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

## Upstream transportation and distribution

---

### Evaluation status

Relevant, not yet calculated

### Please explain

## Waste generated in operations

---

### Evaluation status

Relevant, not yet calculated

### Please explain

## Business travel

---

### Evaluation status

Relevant, not yet calculated

### Please explain

## Employee commuting

---

### Evaluation status

Relevant, not yet calculated

### Please explain

## Upstream leased assets

---

### Evaluation status

Not relevant, explanation provided

### Please explain

Under the operational control approach which we use to define our inventory boundary, all emissions from all upstream leased assets are included in our Scope 1 and Scope 2 emissions; therefore, these emissions are not applicable.

## Downstream transportation and distribution

---

### Evaluation status

Not relevant, explanation provided

### Please explain

We do not sell physical products that would incur emissions from transportation and distribution; therefore, these emissions are not applicable. All our transportation and distribution emissions fall under the upstream transportation and distribution category.

### Processing of sold products

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

We do not sell intermediate products that require processing into final products; therefore, these emissions are not applicable.

### Use of sold products

---

**Evaluation status**

Relevant, not yet calculated

**Please explain**

### End of life treatment of sold products

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

We have no emissions in this category because we do not sell physical products.

### Downstream leased assets

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

We do not own any assets that are leased to others; therefore, these emissions are not applicable.

### Franchises

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

We do not have franchises; therefore, these emissions are not applicable.

### Investments

---

**Evaluation status**

Not relevant, explanation provided

**Please explain**

We do not have joint ventures or investments; therefore, these emissions are not applicable.

**Other (upstream)**

---

**Evaluation status**

**Please explain**

**Other (downstream)**

---

**Evaluation status**

**Please explain**

## C6.7

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

No

## C6.10

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

---

**Intensity figure**

0.0000092

**Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO<sub>2</sub>e)**

15,620

**Metric denominator**

unit total revenue

**Metric denominator: Unit total**

16954,98,000

**Scope 2 figure used**

Location-based

**% change from previous year**

13

**Direction of change**

Decreased

**Reason for change**

Ansys's offices operated at decreased capacity in 2020 due to the pandemic. As a result, our emissions intensity per unit revenue decreased due to a decrease in scope 1 and 2 (location-based) emissions and an increase in our total revenue. Note, these figures are based off our 2019 and 2020 non-GAAP annual revenue totals.

**Intensity figure**

0.011655

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

15,620

**Metric denominator**

square foot

**Metric denominator: Unit total**

13,40,212

**Scope 2 figure used**

Location-based

**% change from previous year**

6

**Direction of change**

Decreased

**Reason for change**

Ansys's offices operated at decreased capacity in 2020 due to the pandemic. As a result, our emissions intensity per square foot decreased due to a decrease in scope 1 and 2 (location-based) emissions and an increase in our total square footage.

## 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 CO <sub>2</sub> e)	GWP Reference
CO <sub>2</sub>	2,220	IPCC Fourth Assessment Report (AR4 - 100 year)
CH <sub>4</sub>	2	IPCC Fourth Assessment Report (AR4 - 100 year)
N <sub>2</sub> O	7	IPCC Fourth Assessment Report (AR4 - 100 year)
HFCs	257	IPCC Fourth Assessment Report (AR4 - 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 CO <sub>2</sub> e)
Belgium	7
Canada	63
China	7
France	463
Germany	119
Greece	25
India	32
Israel	89
Italy	28
Japan	4
Netherlands	3
Republic of Korea	5
Spain	8
Sweden	42
Switzerland	8
Taiwan, Greater China	1
United Kingdom of Great Britain and Northern Ireland	93
United States of America	1,490

## C7.3

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

By activity

### C7.3c

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

Activity	Scope 1 emissions (metric tons CO2e)
Stationary Combustion	1,761
Mobile Combustion	468
Fugitive Emissions	257

## 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)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted for in Scope 2 market-based approach (MWh)
Belgium	20	18	1,03,043	0
Canada	11	11	5,78,387	0
China	914	914	11,86,921	0
France	132	111	21,58,513	0
Germany	1,052	1,588	21,93,160	0
Greece	55	76	1,14,630	0
India	1,897	1,897	22,68,225	0
Israel	35	35	47,590	0
Italy	45	54	1,11,933	0
Japan	318	318	6,37,034	0
Netherlands	11	15	27,531	0
Republic of Korea	441	441	8,06,583	0
Spain	32	49	1,09,966	0
Sweden	4	9	2,33,048	0
Switzerland	2	2	73,671	0
Taiwan, Greater China	152	152	2,52,389	0

United Kingdom of Great Britain and Northern Ireland	304	497	13,05,903	0
United States of America	7,709	7,373	199,53,548	0

## C7.6

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

By activity

### 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)
Purchased Electricity	13,135	13,560

## 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?**

Decreased

### 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				
Other emissions reduction activities				
Divestment				

Acquisitions				
Mergers				
Change in output				
Change in methodology				
Change in boundary				
Change in physical operating conditions				
Unidentified				
Other	588	Decreased	3.5	Ansys's offices operated at decreased capacity in 2020 due to the pandemic. The resulting market-based emission reduction was 588 t CO <sub>2</sub> e, divided by our total emissions in the previous year of 16,634 t CO <sub>2</sub> e gives a 3.5% reduction $(588/16,634) * 100 = 3.5\%$ .

### 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?**

Market-based

## C8. Energy

### C8.1

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

More than 0% but less than or equal to 5%

### 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	No
Consumption of purchased or acquired steam	No
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)	HHV (higher heating value)	0	11,403	11,403
Consumption of purchased or acquired electricity		0	32,162	32,162
Consumption of self-generated non-fuel renewable energy		119		119
Total energy consumption		119	43,565	43,684

## 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	No
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No

Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	No

## C8.2c

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

---

### Fuels (excluding feedstocks)

Distillate Oil

### Heating value

HHV (higher heating value)

### Total fuel MWh consumed by the organization

403

### Emission factor

74.21

### Unit

kg CO2e per million Btu

### Emissions factor source

Center for Corporate Climate Leadership GHG Emission Factors Hub

### Comment

---

### Fuels (excluding feedstocks)

Diesel

### Heating value

HHV (higher heating value)

### Total fuel MWh consumed by the organization

1,413

### Emission factor

10.21

### Unit

kg CO2 per gallon

### Emissions factor source

Center for Corporate Climate Leadership GHG Emission Factors Hub

**Comment**

---

**Fuels (excluding feedstocks)**

Motor Gasoline

**Heating value**

HHV (higher heating value)

**Total fuel MWh consumed by the organization**

436

**Emission factor**

8.78

**Unit**

kg CO2 per gallon

**Emissions factor source**

Center for Corporate Climate Leadership GHG Emission Factors Hub

**Comment**

---

**Fuels (excluding feedstocks)**

Natural Gas

**Heating value**

HHV (higher heating value)

**Total fuel MWh consumed by the organization**

9,151

**Emission factor**

53.11

**Unit**

kg CO2 per gallon

**Emissions factor source**

Center for Corporate Climate Leadership GHG Emission Factors Hub

**Comment**

## C8.2d

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

	<b>Total Gross generation (MWh)</b>	<b>Generation that is consumed by the organization (MWh)</b>	<b>Gross generation from renewable sources (MWh)</b>	<b>Generation from renewable sources that is consumed by the organization (MWh)</b>
Electricity	119	119	119	119
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

## C8.2e

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

### **Sourcing method**

None (no purchases of low-carbon electricity, heat, steam or cooling)

### **Low-carbon technology type**

### **Country/area of consumption of low-carbon electricity, heat, steam or cooling**

### **MWh consumed accounted for at a zero emission factor**

### **Comment**

## C9. Additional metrics

### C9.1

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

## C10. Verification

### C10.1

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

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

### 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?**

No, we do not verify any other climate-related information reported in our CDP disclosure

## 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)?**

No, and we do not anticipate being regulated in the next three years

### C11.2

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

No

### C11.3

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

No, and we do not currently anticipate doing so in the next two years

## C12. Engagement

### C12.1

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

Yes, our suppliers

Yes, our customers

## C12.1a

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

---

### **Type of engagement**

Compliance & onboarding

### **Details of engagement**

Included climate change in supplier selection / management mechanism

### **% of suppliers by number**

### **% total procurement spend (direct and indirect)**

### **% of supplier-related Scope 3 emissions as reported in C6.5**

### **Rationale for the coverage of your engagement**

Currently, we do not formally track the coverage of our engagement. As part of our existing procurement strategy, we select suppliers that offer materials that meet ESG-related criteria, including Environmental Product Declarations and EPA WaterSense.

Ansys is in the process of prioritizing engagement with suppliers for our areas of largest spend, such as IT and real estate providers.

### **Impact of engagement, including measures of success**

Ansys's CR committee engages with our procurement team to factor in ESG considerations, including climate change-related issues, into our vendor evaluations via our Third Party Risk Management Working Group. We currently do not track measures of success, however as our engagement develops, success will be measured by successful integration of ESG-related questions, including carbon emissions, into our vendor evaluations via our Third Party Risk Management Working Group.

### **Comment**

## C12.1b

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

---

### **Type of engagement**

Education/information sharing

**Details of engagement**

Run an engagement campaign to educate customers about the climate change impacts of (using) your products, goods, and/or services

**% of customers by number**

**% of customer - related Scope 3 emissions as reported in C6.5**

**Please explain the rationale for selecting this group of customers and scope of engagement**

In 2020, Ansys developed its first product handprint use case study on simulation product handprint for electric vehicles in order to illustrate how Ansys simulation helps its customers to reduce their own carbon footprint and the footprint of their product. This effort determined that using simulation results in a 50% reduction in overall electric vehicle development time, a 76% reduction in AC drive development time, and a 12% improvement in power density and energy efficiency. This study was completed by Evalueserve. It references vehicle carbon emissions of ICEs and EVs compared throughout lifecycle. The range of emission savings is based on fleet forecasts prepared by BloomberNEF and IEA Stated Policies Scenario.

This product handprint use case study is published on our website and promoted to our customers. We are in the process of developing additional case studies and will publish them in the future to further educate our customers about the climate change impacts of using our products.

**Impact of engagement, including measures of success**

The impact of our engagement with our customers via the product handprint use case studies will be further evaluated in the future. Measures of success will include qualitative and quantitative reputational benefits, resulting from increased demand for products and services as a result of proven carbon footprint benefits.

**C12.3**

**(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?**

No

**C12.3g**

**(C12.3g) Why do you not engage with policy makers on climate-related issues?**

Our organization does not pursue activities that have the potential to influence climate-related issues policy at this time because this is not part of our current focus for our corporate sustainability efforts. To date, we have prioritized other foundational initiatives for our corporate responsibility program. Specifically, we completed our first CDP Climate Change response, calculated a scope 1 and 2 GHG inventory for our full global real estate portfolio in order to establishing key performance indicators (KPIs) to drive future equitable investments and

initiatives, and conducted a preliminary assessment of climate-related risks and opportunities. Next, we intend on focusing on evaluating our scope 3 GHG emissions and furthering our alignment with the TCFD Recommendations via a gap analysis and further evaluation of climate-related risks and opportunities.

## 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).**

---

### Publication

In voluntary sustainability report

### Status

Complete

### Attach the document

 2020-Ansys-Corporate-Responsibility-Report.pdf

### Page/Section reference

- Page 7; Materiality Assessment
- Page 8; Strategy and Vision
- Page 9; Governance and Management
- Pages 18-19; Planet

### Content elements

Governance  
Strategy  
Risks & opportunities  
Emission targets  
Other metrics

### Comment

## C15. 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.**

## C15.1

**(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.**

	Job title	Corresponding job category
Row 1	Vice President, General Counsel	Other, please specify General Counsel

## 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	16954,98,000

### SC0.2

**(SC0.2) Do you have an ISIN for your company that you would be willing to share with CDP?**

No

### 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.**

---

**Requesting member**

Robert Bosch GmbH

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

5

**Uncertainty (±%)**

20

**Major sources of emissions**

Stationary combustion, mobile combustion, and refrigerants

**Verified**

No

**Allocation method**

Allocation based on the market value of products purchased

**Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

We include in our inventory all Scope 1 and 2 GHG sources under our operational control. This includes all owned and leased facilities and vehicles.

---

**Requesting member**

Robert Bosch GmbH

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

27

**Uncertainty (±%)**

20

**Major sources of emissions**

Purchased Electricity

**Verified**

No

**Allocation method**

Allocation based on the market value of products purchased

**Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

We include in our inventory all Scope 1 and 2 GHG sources under our operational control. This includes all owned and leased facilities and vehicles.

---

**Requesting member**

Arm Ltd.

**Scope of emissions**

Scope 1

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO<sub>2</sub>e**

2

**Uncertainty (±%)**

20

**Major sources of emissions**

Stationary combustion, mobile combustion, and refrigerants

**Verified**

No

**Allocation method**

Allocation based on the market value of products purchased

**Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

We include in our inventory all Scope 1 and 2 GHG sources under our operational control. This includes all owned and leased facilities and vehicles.

---

**Requesting member**

Arm Ltd.

**Scope of emissions**

Scope 2

**Allocation level**

Company wide

**Allocation level detail**

**Emissions in metric tonnes of CO2e**

12

**Uncertainty (±%)**

20

**Major sources of emissions**

Purchased Electricity

**Verified**

No

**Allocation method**

Allocation based on the market value of products purchased

**Please explain how you have identified the GHG source, including major limitations to this process and assumptions made**

We include in our inventory all Scope 1 and 2 GHG sources under our operational control. This includes all owned and leased facilities and vehicles.

**SC1.2**

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

We use primary data based on our own emissions and revenue to allocate emissions. We do not use published industry average data. As our goods and services are non-physical, we use an economic allocation approach based on market value, as defined by the GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard. Annual Contract Value (ACV) is used as the market value metric. To allocate Scope 1 emissions to a client, corporate total Scope 1 emissions are multiplied by the ratio of the client’s ACV versus our total ACV. The same approach is taken for Scope 2 emissions.

**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
Diversity of product lines makes accurately accounting for each product/product line cost ineffective	The operations of our business and our production is shared across facilities. As a result, the only feasible means for us to allocate emissions to our clients is to use corporate level data, rather than business line or facility level data.

## SC1.4

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

No

## SC1.4b

**(SC1.4b) Explain why you do not plan to develop capabilities to allocate emissions to your customers.**

We anticipate that the economic allocation approach that we currently use to allocate emissions to clients will be the most appropriate approach for the foreseeable 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?**

No

## SC4.1

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

No, I am not providing data

## Submit your response

**In which language are you submitting your response?**

English

**Please confirm how your response should be handled by CDP**

	<b>I am submitting to</b>	<b>Public or Non-Public Submission</b>	<b>Are you ready to submit the additional Supply Chain questions?</b>
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now



**Please confirm below**

I have read and accept the applicable Terms