Welcome to your CDP Climate Change Questionnaire 2021

C0. Introduction

C0.1

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

As worldwide leader in the Media & Entertainment (“M&E”) sector,Technicolor operates through three significant operating businesses:

• in **Production Services**, Technicolor is a leading provider of services to content creators, including Visual Effects/Animation and video Post Production Services (“Production Services”); In 2020, The Group delivered over 7,500 VFX shots for theatrical feature films and over 2,700 VFX shots for TV/OTT content, delivered approximately 3,100 minutes of animation for leading animated TV shows and feature fil, and over 3,400 commercials

• in **Connected Home**, Technicolor is at the front of the design and supply of solutions enabling the delivery of digital video entertainment, data, voice and Smart Home services to Pay-TV operators and Network Service Providers including broadband modems and gateway, digital set-top box, and other connected devices (“Connected Home”); Connected Home shipped a total of 29 million products in 2020,

• in **DVD Services**, Technicolor is the leader in replication, packaging and distribution of CD, DVD, Blu-ray™ discs and UHD (“DVD Services”). Total combined replication volumes reached 817.1 million discs in 2020. 9 million square feet of global distribution operations with over 5 million units picked, packed and shipped daily in peak periods.

Enabling sustainable content distribution requires energy in all cases:
· Energy consumption based on the raw materials used within and by manufacturing and distribution operations of physical media;
· Energy consumption of products (set-top box, broadband, modems and gateways, connected devices) used for digital distribution and raw material of these products during production and the associated waste at end of life.
· Video content resolution increases regularly, leading to associated increases in the volume of data to deliver and the energy required to do it.

Innovation in electronic product design and in video technologies must support energy efficiency of set-top box together with improved video performances and resolution.

The improvement of physical distribution networks, of logistic resources, the reduction in volume of packaging, and improvements in recyclable waste must provide a reduction of the environmental footprint of physical media.

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.

Australia
Belgium
Brazil
Canada
China
France
Germany
India
Japan
Mexico
Poland
Republic of Korea
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.

EUR

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

C1. Governance

C1.1

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

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Chief Executive Officer (CEO)	Technicolor Chief Executive Officer (CEO) is a member of the Board and has responsibility for climate-related issues. The CEO drafts the group strategic plan which is then approved by the Board. Each year the CEO reaffirms Technicolor commitment to the Global Compact and its ten principles. A United Nations Global Compact signatory since 2003 Technicolor also seeks to integrate the United Nations Sustainable Development Goals (SDGs) in its CSR reporting. With respect to climate change and the circular economy, Technicolor is taking steps to fulfill its responsibilities as a global corporate citizen, and is currently preparing its submission of a carbon trajectory to the Science Based Targets initiative (SBTi) for early 2022 . In 2020, the Company participated for the thirteenth consecutive year in the Carbon Disclosure Project (CDP). The Group started to implement eco-design guidelines in 2008, and it has long taken a positive stance towards environmental issues in the development, manufacture, energy use and ultimate disposal of its products, bringing benefits for both customers and the environment. Technicolor tracks and manages a wide range of environmental data at dozens of sites worldwide, including waste management (total waste generated, landfilled and recycled), energy consumption (electricity and fossil fuels), water consumption, air emissions (greenhouse gas emissions), and processed wastewater effluents, with a commitment to continuous improvement. Technicolor Code of Ethics affirms Technicolor's commitment to protect the environment and acknowledges that Climate change remains one of the world's most pressing sustainability challenges . Signed by the CEO, Technicolor Corporate Environment, Health & Safety (EH&S) Charter, provides a global framework to manage and foresee environmental risks including those linked to climate change.
Board Chair	The chairperson of the Board responsibilities include ensuring compliance with French legal requirement, specifically Articles L. 225-35 and L. 225-64 of the French Commercial Code changed under the French Pacte law (2019) to the effect that corporate and management boards should take into consideration

	"social and environmental issues" as part of their respective managerial assignments. Further the chairperson of the Board now sits on the new Governance and CSR board committee (formerly the Nominations and Governance Committee).
Board-level committee	Four board administrators sit on the new Governance and CSR board committee (formerly Nominations and Governance Committee). As per company rules, after informing the Chairperson, the Committees may conduct or commission, at the Company's expense, any studies or investigations that the Committee deems useful in the fulfillment of its mission and which may be useful in assisting the Board in its deliberations. The Committees report to the Board on the results of any study or investigation carried out . Committees can also have access to Group's executives and internal and external auditors as they may deem useful in preparing their works.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Please explain
Sporadic - as important matters arise	Reviewing and guiding risk management policies Reviewing and guiding business plans	With respect to climate change and the circular economy, Technicolor is taking steps to fulfill its responsibilities as a global corporate citizen, and is currently preparing its submission for early 2022 of a carbon trajectory to the Science Based Targets initiative (SBTi). In 2020, the Company participated for the thirteenth consecutive year in the Carbon Disclosure Project (CDP). The Group started to implement eco-design guidelines in 2008, and has long taken a positive stance towards environmental issues in the development, manufacture, energy use and ultimate disposal of its products, bringing benefits for both customers and the environment. When the target is set early in 2022 , which involves preparatory work and Board oversight, the Board role will extend to monitoring and overseeing progress against goals and targets for addressing climate change related issues.

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
Other, please specify Executive Vice President Human Resources and Corporate Social Responsibility 💬1	Both assessing and managing climate-related risks and opportunities	As important matters arise
Other, please specify The Senior Vice President CSR and WW public affairs is a member of the Management Committee 💬2	Both assessing and managing climate-related risks and opportunities	As important matters arise

💬1The Executive Vice President Human Resources and Corporate Social Responsibility is a member of the Executive Committee. He is responsible for the publication of CSR data in the Group Annual Report which is annually shared with the Board in respect of the French law on mandatory disclosure of certain non financial elements including policies and progress in terms of addressing Climate Change, an obligation for French listed companies.

💬2Reports to a member of Executive Committee, the Executive Vice President of Human Resources and Corporate Social Responsibility. Is ultimately responsible for the publication of CSR data in the Group Annual Report which is annually shared with the Board in respect of the French law on mandatory disclosure of certain non financial elements including policies and progress in terms of addressing Climate Change, an obligation for French listed companies.

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).

The Vice President in charge of Public Affairs and Corporate Social Responsibility identifies emerging climate issues including upcoming regulations likely to affect Technicolor businesses. In this role he ensures coordination between all internal stakeholders all of whom may have a part to play in delineating an effective climate strategy: Human Resources, Safety Health and Environment, Sourcing, Risk and Insurance, R&D, Real Estate, IT. This position reports to a member of the Executive Committee, the Executive Vice President Human Resources and Corporate Social Responsibility, who reports to the Chief Executive Officer, who sits on the Board.

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	Yes	

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive	Type of incentive	Activity inventivized	Comment
Other, please specify FM contractor	Monetary reward	Energy reduction project	In some sites, by contract an energy consumption reduction target is determined, the FM supplier proposes an action plan and penalties are applied proportionately to the non-attainment of pre-agreed targets.
Chief Executive Officer (CEO)	Monetary reward	Emissions reduction target	The Board of Directors defined in the performance objectives for the Chief Executive Officer's 2021 variable compensation including extra-financial objectives : • 15% of the target bonus will depend upon a strategic objective providing to the Board a 3 to 5 year vision and strategy for Technicolor, • 15% of the target bonus will depend upon an objective relating to Talent management to ensure that the transformation is driven: inspire and motivate the workforce (People survey), attract and retain key talents, mitigate human capital risks by ensuring robust succession planning action plans, • 10% of the target bonus will depend upon a CSR objective of promotion of diversity across the organization and limitation of the environmental impact, which includes minimizing Technicolor's carbon footprint.

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	3	
Medium-term	3	5	
Long-term	5	10	

C2.1b

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

The Group started evaluating its risks on a worldwide basis in 2005, with the Enterprise Risk Assessment (ERA) program. The risk management process evolved in 2010 to follow the strategic evolution of the Group. It is now under the Executive Committee responsibility using large support of the Management Committee and is called the Technicolor Risk Management (TRM).

The purpose of this annual four-step-process, supported by the Internal Audit Department, is to identify, assess, manage and monitor risks that may impact the Group's ability to achieve its near and long-term objectives.

The risk identification and analysis process was revamped in 2020 to consist of a bottoms up and top-down structured approach, summarized as follow:

• risk identification by divisional Executive Members and their subcommittee and incorporated (with the support of Internal Audit) into the consolidated questionnaire completed by each member of the Executive Committee and the Management Committee; and supported by individual interviews led by the Internal Audit Department;

• synthesis of main risk areas;

• ranking of risks according to criteria in terms of potential impact and vulnerability, performed by Executive Committee and Management Committee members.

Every year, the Risk Mapping is reviewed and reassessed with any potential new risk. Consecutive to the risk ranking step, the CEO appoints risk owner(s) for each of the top 10 risks, among members of the Executive Committee. These risk owners assess further the risk assigned to them, monitor and mitigate them. Status reports on each top risk are presented to the Audit Committee. The top 10 risks are presented and commented in the Group Annual Report (URD) pages 47 to 64, at Group level as well as Business Unit level under an operational risks section.

Identification of CSR challenges is based on the CSR requests from customers and rating agencies, on peer evaluation, and on internal analysis of key levers to anticipate evolution of customers and markets and of regulations. The Group Materiality matrix can be found on page 152 of the Group Universal Registration Document identifying 6 macro risk areas, each with sub types. The six macro risks themes are Human Capital, Human Rights and Working Conditions, Climate Change (energy efficiency of products, carbon emissions, renewable energy), Circular Economy (Sustainable water management, Environmental responsible procurement, raw material use and waste, Eco-design of products), Fairness of practices, Safety of customers and Protection of content.

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

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Annually

Time horizon(s) covered

Short-term
Medium-term

Description of process

Physical security teams, Insurance, HR, IT are particularly involved in the process to identify risks and put together prevention or mitigation plans.

Value chain stage(s) covered

Upstream

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

Description of process

Upstream business interruptions due to extreme weather event have occurred in the past; Therefore, physical risks likely to affect the supply chain (storms, floods, fires) are monitored closely and risks mitigation plans are integrated into business continuity plans. Physical security teams, Information Services, Insurance, Procurement services who source products or services in regions periodically affected by extreme weather events are particularly involved in the process to identify risks and put together prevention, mitigation, business continuity plans.

Value chain stage(s) covered

Downstream

Risk management process

Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment

Not defined

Time horizon(s) covered

Short-term
Medium-term
Long-term

Description of process

Technicolor Business units work to ensure they are in a position to capitalize on opportunities arising from future needs to reduce energy consumption through reduction of energy consumption of products or services sold . This aspect is particularly relevant for the Technicolor Connected Home segment where engineers work with Customers to reduce the energy consumption of set top boxes or gateways, working to improve energy efficiency of products and their carbon impact through eco-design and LCA analysis.

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	Compliance to legal requirements in Climate related regulation is critical. Technicolor operating on an international scale, and in different lines of business, these legal requirements are identified on a local and global basis. Relevant to Technicolor businesses, mandatory energy disclosures and audits, participation to local compensation schemes, country or regional product energy efficiency requirements, environmental compliance at industrial sites are example of the breadth of climate related legislation affecting the Group operations. Energy efficiency regulation is particularly critical for the Connected Home segment : For instance, as European Union regulations continue to evolve, Technicolor constantly tracks developments directly via Digital Europe, a European industry association, and other industry organizations. In this way, Technicolor contributes to preparatory studies that will feed into drafting of the Implementing Measures for the ErP framework directive and share its knowledge accordingly.

Emerging regulation	Relevant, always included	One of Technicolor's corporate values is a commitment to globally agreed standards and voluntary agreements. Technicolor has actively contributed to good practice through voluntary codes such as Voluntary Agreements for ongoing improvement to the energy efficiency of Set-Top Boxes and Small Network Equipment in the United States, Pay-TV Set-Top-Boxes Energy and Small Network Equipment Voluntary Agreements in Canada and the European Union's Code of Conduct (CoC) on the energy efficiency of Broadband Equipment (CoC BB) as well as the European Union's Industry Voluntary Agreement (VIA) on Complex Set-Top Box. Technicolor was an early signatory of the latter Code of Conduct with the Company putting its name to it in May 2008, which commits Technicolor to developing and bringing to market products that comply with stringent energy efficiency levels. In 2020, Technicolor has participated to the revision of CoC BB V8 specifying new Tiers and allowances starting 2021. Connected Home engineers have served on several international boards focusing on energy consumption standards, endeavoring to draw together the work carried out in this respect in Europe, the U.S., Canada and Australia. Via its membership in the Digital Europe (DE) industry association, Technicolor participated to working groups related to energy efficiency in relation with Technicolor products. Digital Europe provides technical and non-technical inputs, position papers, and proposition, at each stage of the EU regulation elaboration. In Australia, Technicolor is an Associate Member of the Subscription Television Industry Voluntary Code for improving the energy efficiency of conditional access Set-Top Box. In Canada, Technicolor is signatory of the Canadian Energy Efficiency Voluntary Agreement for Set-Top Box (CEEVA) and the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE).
Technology	Relevant, always included	Relevant for the Connected Home business segment : set top boxes, broadband and modems and gateways, connected devices need to comply with energy efficiency customer requirements, legislation or voluntary agreements. These have technological and life-cycle implications that need to be addressed through Technology advances. Relevant for the Production Services business segment: the Visual effects, and animation and games industry requires computing power and robust data centers. Levers to minimize the impact of this line of

		business are software improvements and optimization, cloud computing efficiency gains, alongside streamlined and optimized processes and protocols to control the need for computing power.
Legal	Not relevant, explanation provided	Technicolor does not operate energy intensive operations or water depleting activities, therefore the risk of climate-related litigation claims is not likely.
Market	Relevant, always included	Market demand for energy efficient products, logistics, applications, software, efficient operations, is critical for customer acquisition or retention.
Reputation	Relevant, always included	A key element of customers acquisition and retention as well as for employee acquisition and retention. Climate Change has become an issue that cannot be overlooked, all stakeholders including rating agencies and investors now expect strong management of climate change related issues. Technicolor's activities footprints are different according to business segment, yet all of them now receive stakeholder attention around the topic of climate change as exemplified by the increasing number of requests received from customers, but also rating agencies, on climate governance and performance. These requests are being addressed on a business as normal basis today.
Acute physical	Relevant, always included	Extreme weather events have occurred in the past affecting suppliers or industrial locations causing damages and business interruption. Technicolor primary objective is to ensure that the workforce is protected from life threatening hazards and when operations are located in exposed regions, site managers and operations leaders exercise due diligence and monitor the emergence of hazardous situations in collaboration with authorities and insurance. Protecting the company's assets is a constant preoccupation. For example, forest fires are observed increasingly in California or in Australia where some Technicolor sites may be exposed even though located in urban areas, yet employees homes may be affected by those fires. In other regions, floods may compromise commutes or power supply. Technicolor operates globally, therefore global plans to ensure business continuity in case of local site closure or employees homes threatened or damaged, or local infrastructures failing, are in place. Technicolor has for some segments and contexts the capacity to shift workload from one location to another in a very short time as tested with positive results during the stress of the Covid 19 pandemic. Similarly some sites may be exposed to flooding or torrential rains or tornadoes. In all cases Technicolor has contingency plans and business continuity plans in place to mitigate such events at all facilities. Group insurers visits are regular with insurance engineers bringing their experience to improve where necessary these mitigation plan .

Chronic physical	Relevant, sometimes included	A few Technicolor sites are based in areas affected by droughts and heatwaves which may cause harm to people and damage to facilities in case of fires in the vicinity, or heavy rainfalls. Contingency plans are in place to mitigate risks to people and operations. Prevention plans, but also background information or awareness campaigns may also be conducted to help workers cope with chronic climate events. Teleworking has been greatly facilitated during the pandemic for all positions that are compatible. This too can help address the stress caused to workers by chronic physical events.

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?

Direct operations

Risk type & Primary climate-related risk driver

Primary potential financial impact

Company-specific description

Extreme weather events damage facilities, potentially harm workers, disrupt physical operations or supporting infrastructure (electrical grid breakdown, bridges, roadways) and therefore may negatively impact revenue and risk reputation and goodwill due to potential inability to meet commitments to customers. Prevention programs are developed and implemented where needed (such as for flood prevention or secondary source qualification for critical component suppliers located in potentially disrupted geographical areas). Business Continuity Plans are developed and implemented so that unplanned events can be dealt with safely, practically, and quickly (such as severe weather or forest fires damages to facilities).

Time horizon

Unknown

Likelihood

Likely

Magnitude of impact

Medium-low

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

It's not known or predictable because it is dependent on the facility affected and the current market climate and inventory

Cost of response to risk

Description of response and explanation of cost calculation

Comment

It is not a separable cost in an on-going sense, and any event-driven cost is highly variable.

Identifier

Risk 2

Where in the value chain does the risk driver occur?

Upstream

Risk type & Primary climate-related risk driver

Primary potential financial impact

Company-specific description

Extreme weather events may disrupt supply chain, interrupting operations and shipping/sales, and therefore negatively impact revenue and risk reputation and goodwill due to potential inability to meet commitments to customers while at the same time driving up costs of components and materials due to related market shortages.

Time horizon

Unknown

Likelihood

About as likely as not

Magnitude of impact

Medium

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

It is not a separable cost in an on-going sense, and any event-driven cost is highly variable.

Cost of response to risk

Description of response and explanation of cost calculation

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

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Company-specific description

For the Connected Home segment, eco designing products means minimizing impacts on the environment and society. Eco design also has beneficial effects on Technicolor as well as in meeting customers' requirements and needs and finally on consumers when using Connected Home devices. In order to accelerate Eco design deployment, make it visible internally and externally and gain experience before setting up a full eco design process, several eco design pilot projects were set up.

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Unknown

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Technicolor works to propose a wide array of technological advances or solutions, capitalizing on innovation to support customer's commitment to reduce their own carbon footprint. As a leading supplier of set-top box (STBs) and home gateways,

Technicolor has acquired experience and decided to incorporate eco-design principles and methodology into its product families. Rigorous analysis about product environmental performance allowed Technicolor to measure the impact of innovations and to target key areas of focus. Based on product life cycle assessment, Technicolor advises and supports its customers to reduce
the ecological impact of their activities, addressing short-term product aspects of core product design (e.g., energy consumption reduction during its life cycle, elimination of hazardous substances in electronic cards, components, casings, accessories, and cable materials, use of recycled materials and contributions to a more circular economy) as well as on related elements to reduce single-use plastics and packaging and to decrease carbon emissions due to transportation. Technicolor also looks forward, collaborating with its customers to support them in their ambitions to reduce their carbon footprint and evolve towards carbon-
neutral activities.

Comment

Identifier

Opp2

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development and/or expansion of low emission goods and services

Primary potential financial impact

Company-specific description

In the Connected Home Segment, Technicolor is very active in the field of voluntary agreements, and already signed the European Code of Conduct on Energy Efficiency of Digital TV services, and the Code of Conduct on energy consumption of broadband equipment, published by the European Commission and communicated thereon. Technicolor was also actively engaged in elaborating the Industry Voluntary Agreement on the energy consumption of Complex Set-Top Boxes (self-regulation based on requirements outlined in the ErP directive) Technicolor also contributes to the preparatory studies, as well as Industry Guidance document, feeding into the regulation on networked equipment (also part of the ErP framework directive). Technicolor considers climate change challenges as a great opportunity for providing more energy-efficient, environmentally suitable products and services to our customers, this goal driving R&D efforts to put on the market products with a competitive edge.

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier

Opp3

Where in the value chain does the opportunity occur?

Downstream

Opportunity type

Products and services

Primary climate-related opportunity driver

Development of new products or services through R&D and innovation

Primary potential financial impact

Company-specific description

Concerning the Connected Home segment, Technicolor operates in a worldwide market and thus has to deal with a wide variety of national and regional initiatives governing the environmental performance and risk management associated with its products. In particular, energy consumption which is the main significant environmental impact for Connected Home products remains a key priority across the industry and regions. Technicolor actively contributed to the revision of the 278/2009 regulation on External Power Supplies (EPS) by providing inputs to the EU commission, in particular via its membership of the Digital Europe organization of leading Digital Technology European companies. 2013 saw the finalization of the latest 801/2013 Networked (NW) standby regulations, (amendment to the 1275/2008 On/Off and Standby mode regulation). Technicolor has contributed to the development of NW standby guidelines, particularly in relation to Home Gateway (GW) and Complex STB (CSTB) products. In the Americas, in Australia, in Asia, in Africa, and in the same manner, Technicolor monitors and follows environmental regulations and standards. In the United States for example, Technicolor follows the Department of Energy regulation proposed amendment on external power supplies and rule-making initiatives on efficiency standards for Set-Top Boxes and Small Network Equipment. For a number of years now, most of Connected Home STB models marketed in U.S. have met the Energy-Star STB energy efficiency levels. In Australia, Technicolor is an Associate Member of the Subscription Television Industry Voluntary Code for improving the energy efficiency of conditional access set-top boxes. In Canada, Technicolor is signatory to the Canadian Pay-TV STB energy efficiency voluntary agreement.

Time horizon

Medium-term

Likelihood

More likely than not

Magnitude of impact

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier

Opp4

Where in the value chain does the opportunity occur?

Direct operations

Opportunity type

Products and services

Primary climate-related opportunity driver

Development of new products or services through R&D and innovation

Primary potential financial impact

Increased revenues resulting from increased demand for products and services

Company-specific description

In the Production Services segment too, and in particular in the realm of advertising, the demand for productions with a reduced carbon footprint has significantly increased in 2020 as on location shoots were hampered by the Covid 19 pandemics giving a push to new or existing technologies and practices. For example, combining LED screens with live camera tracking, enables the placing of a product in real-world environments that look highly realistic. As the camera moves, the perspective of the backgrounds shifts accordingly, enabling film convincing virtual scenes with believable cinematic fidelity, reducing the need for on location shoots, and associated emissions (transportation of people and equipment).

Time horizon

Short-term

Likelihood

Virtually certain

Magnitude of impact

Unknown

Are you able to provide a potential financial impact figure?

No, we do not have this figure

Potential financial impact figure (currency)

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Using cutting edge technologies to realize any opportunity.

Comment

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	Intention to include the transition plan as a scheduled resolution item at Annual General Meetings (AGMs)	Comment
Row 1	Yes, in the next two years		In 2021 Technicolor Board approved a change in Committees scope with one Committee now in charge of Governance and CSR; note that per French law, CSR impacts of the company, performance results, any material issues are part of mandatory legal documentation to be presented to the Board of the company.

C3.2

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

No, but we anticipate using qualitative and/or quantitative analysis in the next two years

C3.2b

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

While different scenarios are known and provide background reference, Technicolor's priority is, has always been, to dedicate resources so as to limit emissions in each of its business operations, within the markets where the group operates, and to limit risk exposure associated with Climate Change anticipated disruptions.

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	Connected Home Eco-design and life-cycle analysis as well as energy efficiency analysis and improvement within Connected Home products are an integral part of product development. Product energy efficiency is a regulated aspect of product footprints, and a focus point in call-to-tenders. Technicolor has a long standing practice of LCA analysis and through discussions with customers, strives to propose options that are the most climate friendly. In Creative services, customers too expect Technicolor to reduce its carbon footprint and in the same stride help them reduce their own as a matter of consequence. For example see Opportunity 4 in section C2.4a
Supply chain and/or value chain	Yes	Climate related risks are taken into account to develop Business Continuity Plans and address resilience in the supply chain.
Investment in R&D	Yes	As indicated above (product) as well as in the area of data center sourcing or software development.
Operations	Yes	Considerations on climate risks drive infrastructure investments or choices in regions potentially affected by

		extreme weather events, droughts, forest fires, to improve the resilience of buildings and ensure worker safety as well as business continuity. All Technicolor sites have put in place solid business continuity plans (BCPs) to ensure continuity of service in the face of unprecedented events. The Covid 19 pandemic was such an unprecedented situation where large sections of BCPs where put to the test, as work from home was imposed almost overnight in many instances.

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		

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?

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

2015

Target coverage

Company-wide

Scope(s) (or Scope 3 category)

Scope 2 (location-based)

Base year

2015

Covered emissions in base year (metric tons CO2e)

140,515

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)

100

Target year

2018

Targeted reduction from base year (%)

Covered emissions in target year (metric tons CO2e) [auto-calculated]

Covered emissions in reporting year (metric tons CO2e)

% of target achieved [auto-calculated]

Target status in reporting year

Is this a science-based target?

No, but we anticipate setting one in the next 2 years

Target ambition

Please explain (including target coverage)

Initial target was to achieve 10% of electricity from renewable sources by end of 2015, moving from 7.2% in 2013 to 13.3% in 2015. This target was then replaced with a target to achieve 20% of electricity from renewable sources by end of 2018 which was met. In 2019, electricity from renewable sources had increased to 24%. A new target to achieve 30% of electricity from renewable sources was set to be reached by end 2022.

C4.2

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

Target(s) to increase low-carbon energy consumption or production

C4.2a

(C4.2a) Provide details of your target(s) to increase low-carbon energy consumption or production.

Target reference number
Low 1

Year target was set
2019

Target coverage
Company-wide

Target type: absolute or intensity

Target type: energy carrier
Electricity

Target type: activity
Consumption

Target type: energy source
Renewable energy source(s) only

Metric (target numerator if reporting an intensity target)
Percentage

Target denominator (intensity targets only)

Base year
2018

Figure or percentage in base year
19

Target year
2022

Figure or percentage in target year
30

Figure or percentage in reporting year
20

% of target achieved [auto-calculated]
9.0909090909

Target status in reporting year

Underway

Is this target part of an emissions target?

No

Is this target part of an overarching initiative?

Other, please specify

Please explain (including target coverage)

Technicolor has always measured environmental impact and sought to reduce it through monitoring programs and projects focused on its activities. As the industrial footprint of the Group continues to transform away for energy-intensive processes due to industry closures in glass, tubes, and motion picture film, and the non-industrial footprint continues to evolve and to grow in digital media and the cloud, the energy focus has evolved, resulting in a growing emphasis on increasing the proportion of renewable energy as a percentage of electricity consumed at all the Group sites.

Target reference number

Low 2

Year target was set

Target coverage

Site/facility

Target type: absolute or intensity

Absolute

Target type: energy carrier

Electricity

Target type: activity

Production

Target type: energy source

Low-carbon energy source(s)

Metric (target numerator if reporting an intensity target)

Target denominator (intensity targets only)

Base year

Figure or percentage in base year

Target year

Figure or percentage in target year

Figure or percentage in reporting year

% of target achieved [auto-calculated]

Target status in reporting year

Achieved

Is this target part of an emissions target?

No, this particular initiative was initiated before Group or Business target began to be discussed.

Is this target part of an overarching initiative?

Other, please specify

Please explain (including target coverage)

In Brazil, the Connected Homes manufacturing plant dedicated to the production of Set-Top Box for the Americas has a long-term plan to improve its carbon footprint, in part by increasing its proportion of energy from renewable sources. While some portion of electricity available on the market is from renewable sources, the site also installed solar panels, energy storage systems, and control systems sufficient to generate 10% of the electricity consumed by the site. This in addition to an active policy to offset other emissions through a reforestation scheme.

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		
To be implemented*		

Implementation commenced*		
Implemented*	15	
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

Energy efficiency in buildings
Heating, Ventilation and Air Conditioning (HVAC)

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)

Scope 2 (location-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

Estimated lifetime of the initiative

Comment

Several sites have adjusted HVAC systems performance or replaced equipment for new ones with an improved energy efficiency profile or decommissioned some old equipment.

Initiative category & Initiative type

Energy efficiency in buildings
Lighting

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)

Scope 2 (location-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

Estimated lifetime of the initiative

Comment

Over 30% sites across the organization were replacing lighting fixtures to new LED lamps, some of them pairing them with new presence-sensors equipment.

Initiative category & Initiative type

Company policy or behavioral change

Site consolidation/closure

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)

Scope 1

Scope 2 (location-based)

Scope 3

Voluntary/Mandatory

Voluntary

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

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

Payback period

Estimated lifetime of the initiative

Comment

Technicolor Real Estate strategy and policy aims to adapt infrastructures to business needs as closely as possible, adapting the company footprint accordingly, reducing surfaces leased, subleasing space where necessary, consolidating sites in certain locations, but also expanding surfaces where needed. Technicolor Facilities Management services policy outlines principles : "The purpose of the Facility Management Policy & Guidelines is to establish and communicate reasonable and fiscally responsible business requirements on behalf of Technicolor or any subsidiary. All employees and expense approvers should make decisions with Technicolor's best interest in mind, based on the "prudent man" principle with the objective of reducing overconsumption, waste and emissions in a sustainable approach". These policies, together with Technicolor EH&S Charter, policies and guidelines ensure that site FM representatives enact the Charter, policies, and guidelines principles and vision in daily operation.

Initiative category & Initiative type

Low-carbon energy consumption
Low-carbon electricity mix

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)

Scope 2 (location-based)

Voluntary/Mandatory

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

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

Payback period

Estimated lifetime of the initiative

Comment

For the Connected Home segment: the Technicolor Manaus site in Brazil has solar panels in place which cover all lighting needs in and around the facility.
For the Creative Services segment: a few sites have chosen to opt for electricity supply 100% garanteed from renewable sources.

C4.3c

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

Method	Comment
Dedicated budget for energy efficiency	Sites periodically perform energy audits or assessments or other assessments that create potential improvement projects, such as re-lamping with better performing lamps or adding motion sensors for lighting. These projects are assessed financially in terms of payback period and then implemented where beneficial.

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

Connected Home products (set-top boxes, cable modems, etc.) are developed using eco-design and life-cycle analysis principles, and many of them subsequently qualify for various country-based energy qualifications.
Technicolor began to implement Eco-design guidelines in 2008 and has long taken a positive stance towards environmental issues in the development, manufacture, use and ultimate disposal of its products. The Group is an active contributor to industry voluntary initiatives or codes of conduct, including the EU Codes of Conduct (CoC) on Energy Efficiency of Digital TV Service (DTV) and Energy Consumption of Broadband Equipment (BB), the EU Industry Voluntary Agreement (VIA) to improve energy consumption of Complex Set-Top Boxes (CSTB), and more recently the US Voluntary Agreements for Ongoing Improvement to the Energy Efficiency of Set-Top Boxes (STB), and for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE); In 2019, Technicolor signed the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE) to extend its existing energy saving initiatives to the Canadian market.

In Europe, Company reporting for 2019 demonstrates that Technicolor achieved the power consumption targets respectively set by the Code of Conduct for Broadband

Equipment, and the Voluntary Industry Agreement on Complex Set-Top Box. 2019 reporting demonstrated that:
• 88% of Connected Home Set-Top Box units put on the market are compliant with the Voluntary Agreement, 100% of our Home Gateways new models introduced on the market for the first time are compliant with the on-state power target of the Code of Conduct for Broadband Equipment and 75% are compliant with the idle state power target.

As it relates to electricity consumption during the use of Connected Home devices (set-top boxes and gateways) in their targeted markets during their estimated product lifetime of 5 years, the total impact of all Connected Home devices produced during 2020 is estimated to be an equivalent 887 thousand tons of CO2eq during each full year of product operation.

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

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

Comment

Technicolor started to implement eco-design guidelines in 2008 and has long taken a positive stance towards environmental and efficiency issues in the development, manufacture, and use of its products. The Connected Home segment complies with all the laws, regulations and industry guidelines endorsed by Technicolor. These include the European Union Code of Conduct on Energy Efficiency of Digital TV Service and Energy Consumption of Broadband Equipment, the European Union's Industry Voluntary Agreement to improve energy consumption of Complex Set-Top Box (CSTB), the U.S. Voluntary
Agreement for Ongoing Improvement to the Energy Efficiency of Set-Top Box (STB), the U.S. Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE), and the Canadian Pay-TV Set-Top Box Energy Efficiency Voluntary Agreement (STB CEEVA). In 2019, Technicolor decided to sign the Canadian Energy-Efficiency Voluntary Agreement for Small Network Equipment (CEEVA SNE) to extend its existing energy saving initiatives into the Canadian market. As it relates to Customer Premises Equipment (CPE), Technicolor was the first CPE vendor to sign the Code of Conduct for Broadband Equipment, putting itself in a leading role for low energy consumption residential gateways. By designing devices compliant with regulations as well as various Voluntary Agreements, Technicolor is committing to
improve energy efficiency and to reduce the carbon footprint of Gateways and Set-Top Box. By anticipating the revision of Voluntary Agreement release and the elaboration of

the European energy efficiency regulation, Technicolor acts for the improvement of energy efficiency of Gateways and Set-Top Box.

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, 2012

Base year end

December 31, 2012

Base year emissions (metric tons CO2e)

7,646

Comment

Scope 2 (location-based)

Base year start

January 1, 2012

Base year end

December 31, 2012

Base year emissions (metric tons CO2e)

149,198

Comment

Scope 2 (market-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

C5.2

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

Defra Environmental Reporting Guidelines: Including streamlined energy and carbon reporting guidance, 2019
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance

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)

5,512

Comment

Technicolor determined the most significant but limited air emission contaminant resulting from the Group's operations (Scope 1) to be equivalent carbon dioxide (CO2eq) associated with on-site combustion of fuels for heating and cooling, back-up power generation, fire-suppression equipment, or other typical engine-driven equipment. In 2020, a total of 5,512 metric tons of CO2eq were emitted from combustion sources within Technicolor's industrial plants and larger non-industrial locations. This figure was calculated using the 1996 Intergovernmental Panel on Climate Change (IPCC) Emission actors.

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 have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report a Scope 2, market-based figure

Comment

Two brands operating in the Entertainment Services segment have a policy to move to green energy with a goal to purchase electricity 100% from renewable sources though green contracts.
In the Connected Home segment, the manufacturing site based in Manaus , Brazil, is producing some renewable energy from its in-house solar panel installation.
Sites are beginning to be asked for their applicable market based carbon emission factors from their electricity suppliers but feedbacks from sites show a minority of sites are able to obtain it making a global market based scope 2 disclosure impossible at this point.

C6.3

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

Reporting year

Scope 2, location-based

110,604

Comment

Indirect emissions from consumption of electricity, steam, and chilled water (Scope 2) were 110,604 metric tons CO2eq and were calculated using the 2019 International Energy Agency estimated emissions factors.

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?

Yes

C6.4a

(C6.4a) Provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source

A few small offices occupied by staff counting well under 50 employees occupying very limited floor space, are excluded from our response. These represent under 5 % of the total real estate footprint of the company covered in the present disclosure.

Relevance of Scope 1 emissions from this source

Emissions are not evaluated

Relevance of location-based Scope 2 emissions from this source

Emissions are not evaluated

Relevance of market-based Scope 2 emissions from this source (if applicable)

Emissions are not evaluated

Explain why this source is excluded

These very small offices are not covered yet by the Group reporting system. More resources would need to be allocated.

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

Metric tonnes CO2e

14,267

Emissions calculation methodology

The figure reported here does not cover all group purchased goods and services. It covers cloud-based infrastructure as a service as well as colocated data centers. The estimate is mostly data-based, but with a cooling modifier and with cloud services based on cloud-provider data for renewable energy, split of costs between energy and other, and worldwide emissions factors and average per-kWh costs for all other calculation.

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

100

Please explain

The complexity of the supply chain and the needs of Technicolor's diverse operations would make the calculation of an exhaustive footprint difficult and resource intensive.

However, as Data Centers became gradually a more material issue, a first estimate of their emissions footprint was made in 2019. Data centers supporting all businesses and functions within Technicolor, (principally attributable to Production Services but not only), were mapped, documented, and it is estimated that their impact in 2020 was about 14,267 tons CO2eq. Which is the figure reported here. This figure captures Data Centers usage carbon footprint only. In addition to Group IT requirements, Production Services businesses related to film, video, animation, and special effects have an on-going need for fast and efficient data centers (computational capacity plus storage capacity). Technicolor uses a mix of public cloud-based infrastructure as a service, in

addition to on-site or co-located data centers managed by Technicolor resources in conjunction with other partner companies in order to meet these requirements, depending on data security, response time, availability, and other aspects. Emissions factors used were selected from International Energy Agency emissions factors (2018).

Capital goods

Evaluation status

Relevant, not yet calculated

Please explain

The complexity of the supply chain and the needs of Technicolor's diverse operations makes the calculation of an exhaustive footprint difficult and resource intensive.

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

Evaluation status

Not relevant, explanation provided

Please explain

All included in Scope 1 and 2 categories.

Upstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

32,005

Emissions calculation methodology

- The estimated impact of all inbound and outbound traffic controlled by Technicolor during 2020 for DVD products was 49,072 tons CO2eq. Emissions factors used were selected from UK Government GHG Conversion Factors Freighting Goods (2020);
- The estimated impact of all inbound and outbound traffic controlled by Technicolor during 2020 for Connected Home
devices was 14,937 tons CO2eq. Emissions were estimated by third-party specialist company TK'Blue, focusing on climate change impact of shipping and logistics activities;
Total from both BUs is 64010 tons CO2eq;

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

100

Please explain

Through dialogue with service providers, detailed files are exchanged with Downstream transportation and distribution partners and suppliers; For the Home Entertainment Services business data is processed internally to obtain emissions based on tonne-kilometer data and harmonized emission factors ; for the Connected Home business a

partnership in in place with French TK-Blue labelling and rating company which uses approved and transparent criteria to evaluate emissions.

Waste generated in operations

Evaluation status

Relevant, not yet calculated

Please explain

Estimate

Business travel

Evaluation status

Relevant, calculated

Metric tonnes CO2e

571

Emissions calculation methodology

Methodology not provided in detail by the travel agency. The report provided is broken into three categories: Short Haul , Medium Haul , Long Haul.

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

Please explain

Due to Covid-19, business travel was drastically limited in 2020. The amount reported here is emissions attached to air travel as provided by the travel agency.

Employee commuting

Evaluation status

Not evaluated

Please explain

Not evaluated in 2020.

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Please explain

Emissions from the operation and heating of facilites used by the site (idustrial and non-industrial sites) are covered in Scope 1 and 2 emissions

Downstream transportation and distribution

Evaluation status

Relevant, calculated

Metric tonnes CO2e

32,005

Emissions calculation methodology

For the DVD services segment, Technicolor gather primary data from Freight partners, including weights and mileage per shipping category (road, train, air, boat) to which it applies Defra's 2020 factors. For the Connected Home segment, Technicolor partners with french TKblue company which obtains primary data from Connected Home shippers and uses proprietary factors to calculate emissions.

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

100

Please explain

- The estimated impact of all inbound and outbound traffic controlled by Technicolor during 2020 for DVD products was 49,072 tons CO2eq. Emissions factors used were selected from UK Government GHG Conversion Factors Freighting Goods (2020);
- The estimated impact of all inbound and outbound traffic controlled by Technicolor during 2020 for Connected Home
devices was 14,937 tons CO2eq. Emissions were estimated by third-party specialist company TK'Blue, focusing on climate change impact of shipping and logistics activities;
The amount reported here represents half the total inbound and outbound emissions. (the other half is reported under upstream transportation and distribution).

Processing of sold products

Evaluation status

Not relevant, explanation provided

Please explain

Not considered relevant because processing is not required for products sold by Technicolor.

Use of sold products

Evaluation status

Relevant, calculated

Metric tonnes CO2e

887,000

Emissions calculation methodology

Concerns the Connected Home segment : Is taken into account the electricity consumption during the use of Connected Home devices sold by its customers (set top box and gateways) in their targeted markets during their estimated product lifetime of 5 years. The total impact of all Connected Home devices produced during 2020 is

estimated to be an equivalent 887 thousand tons of CO2eq during each full year of product operation. The assumed product operation that may be controlled in part by the network operator and the consumer, includes active hours during use, standby hours when not actively in use, and switched-off hours, aligned primarily with the customer habits for
using their television at home. For any individual piece of equipment, the true equivalent emission will depend on the country and region of operation as emission factors vary significantly depending on electricity generation methods and sources in each country. Emissions factors used were selected from electricity-specific emission factors
for grid electricity, Ecometrica (2011);

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

0

Please explain

Theses complex calculations are based on product specific characteristics as defined primarily by Technicolor Connected Home customers .

End of life treatment of sold products

Evaluation status

Relevant, not yet calculated

Please explain

Because of the wide range of products sold, it is not possible at this stage to disclose a global figure. Connected Home products are vastly different form DVD services products. While LCA of Connected Home devices includes End of life treatment, no similar information is available at this time for DVDs.

Downstream leased assets

Evaluation status

Not relevant, explanation provided

Please explain

This activity is not relevant for Technicolor.

Franchises

Evaluation status

Not relevant, explanation provided

Please explain

Technicolor does not operate any franchises

Investments

Evaluation status

Not relevant, explanation provided

Please explain

Technicolor does not have equity investments in subsidiaries, associate companies, or joint ventures that are not already included in Scope 1.

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 CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure

0.000038628

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

116,116

Metric denominator

unit total revenue

Metric denominator: Unit total

3,006,000,000

Scope 2 figure used

% change from previous year

3

Direction of change

Increased

Reason for change

Even though Scope 1&2 emissions decreased by 18% between 2019 and 2020, revenue decreased by 21% in the same time at current currency. (Revenues from continuing operations are down 18.5% at constant currency compared to 2019), resulting from lower revenues on all segments, especially in the Production Services business unit (VFX, animation, games and post production) driven mainly by pandemic-related impacts on production around the world.

C7. Emissions breakdowns

C7.1

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

No

C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Americas	4,525
Europe	960
Asia Pacific (or JAPA)	27

C7.3

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

By business division

C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
DVD Services	5,124
Connected Home	47
Corporate and Other	60

Production Services	281

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)
Australia	6,147			
Belgium	117			
Brazil	118			
Canada	3,525			
China	1,323			
France	283			
India	8,841			
Mexico	36,529			
Poland	17,742			
United Kingdom of Great Britain and Northern Ireland	1,957			
United States of America	33,901			
Japan	86			
Other, please specify South Korea	39			
Germany	1			

C7.6

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

By business division

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)

DVD Services	86,737	
Connected Home	3,653	
Corporate and Other	120	
Production Services	20,100	

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	0	No change	0	While more non industrial sites are moving to green electricity contracts, we are still disclosing local based Scope 2 emissions. Also, as per guidance, we do not abate emissions due to offsets. Our Scope 2 emissions would be diminished by more than 3-4% if we were reporting emissions market based. This is currently under evaluation.
Other emissions reduction activities				Across sites typical efforts involve lighting fixtures changeover to LED appliances, HVAC improvements (heating, ventilation and air-conditioning), and shutting down as many lighting or other systems during week-ends or holidays as possible, raising setpoint temperatures in data centers or other technical rooms, selecting equipment according to energy efficiency criteria, and using window solar control screen films to improve

				insulation in exposed offices. ▪ within Connected Home, the Manaus assembly site in the Amazonas, Brazil, changed older generation air ventilation systems for more efficient ones, and continues using solar panels to power external lighting needs; ▪ in DVD Services, sites strive to adapt their footprint to varying production requirements, decommissioning equipment such as unnecessary cooling towers, while also upgrading necessary equipment with new technological solutions, reorganizing floor layouts and production lines for improved energy efficiency such as in Australia or in the UK. The Piaseczno site, Poland, continues to reduce electricity consumption by 452 mWh per year due to the year's installation of two more efficient offset machines in the Printing Department. The Rugby site, UK, calculated that in one area, adding passive infrared sensors (PIR), and replacing halogen lamps by led lamps, resulted in 167 kg CO2e reduction per fitting (279 of them), generating a 45% percent reduction in energy consumption; ▪ in Production Services sites, a critical energy impact is related to the use of data centers. To save energy, The Mill site in New York, decided to move the most energy intensive equipment out of their in-house data center and are now using a more efficient and purpose-built external and co-located data center. To generally minimize their climate footprint, some new sites located in areas where the national grid does not guarantee electricity from renewable sources have chosen to go for green electricity supply contracts, such as in New York and London sites. Other reducing initiatives took place. The Bangalore site in India installed sunscreens on façade windows,

				added EC fans for data centers air conditioning units, and installed proximity sensors in meeting rooms . The Adelaide MRX site organized a booking system to calibrate HVAC and lighting needs for work performed out of normal working hours.
Divestment	505	Decreased	0.35	Two sites were closed between 2019 and 2020
Acquisitions	1.3	Increased	0.0009	One boutique style new site opened in 2020
Mergers	0			Not relevant in 2020
Change in output				Impacted by the Covid 19 pandemic the group output was affected in its three business units. Due to the overall group Scope 1 and 2 emissions being principally driven by the DVD Business unit and its manufacturing and distribution sites (about 80% of group emissions in 2020) , the decrease in production of DVDs by around 20 percent over 2019 (the decrease is also due the historic decrease of physical media) affects the Group carbon footprint, but in a difficult to assess proportion as industrial equipment and facilities, continued to run through the pandemic.
Change in methodology	0	No change		There was no change in methodology over the previous year.
Change in boundary	0			
Change in physical operating conditions	0			This particular factor is difficult to ascertain unless there was a catastrophic situation causing structural damage to facilities or business interruption. The impact of Covid 19 in 2020 would in any case overweight significantly any change in physical operating conditions in 2020. Nevertheless, year to year marked variations in site energy consumption are systematically analyzed also in

				terms of a change in the weather pattern over the previous year (colder winter, extreme heat).
Unidentified	0			
Other				

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?

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	Yes
Consumption of purchased or acquired cooling	Yes
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)		25,917	25,917
Consumption of purchased or acquired electricity		49,467	198,733	248,319
Consumption of purchased or acquired steam			423	423
Consumption of purchased or acquired cooling			3,724	3,724
Consumption of self-generated non-fuel renewable energy		119		119
Total energy consumption		49,586	202,880	279,484

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	Yes
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)
Natural Gas

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
25,727

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

Emission factor
56.06

Unit
kg CO2e per GJ

Emissions factor source
IPPC 1996

Comment

Fuels (excluding feedstocks)
Fuel Oil Number 5

Heating value
LHV (lower heating value)

Total fuel MWh consumed by the organization
402

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

Emission factor

77.3

Unit

kg CO2 per GJ

Emissions factor source

IPPC 1996

Comment

Fuels (excluding feedstocks)

Diesel

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

153

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

Emission factor

74

Unit

kg CO2 per GJ

Emissions factor source

IPPC 1996

Comment

Fuels (excluding feedstocks)

Liquefied Petroleum Gas (LPG)

Heating value

LHV (lower heating value)

Total fuel MWh consumed by the organization

737

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

Emission factor

63.2

Unit

kg CO2 per GJ

Emissions factor source

IPPC 1996

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	119	119	119	119
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

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	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

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

Limited assurance

Attach the statement

1

Page/ section reference

pages 194-106

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach

Scope 2 location-based

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

1

Page/ section reference

Pages 194-106 of Technicolor Universal Registration document attached above and available on the group intranet : https://www.technicolor.com/sites/default/files/2021-04/20210407%20-%20TECHNICOLOR%20-%20URD%202020%20ENG.pdf

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category

Scope 3: Upstream transportation and distribution

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

1

Page/section reference

Pages 194-106 of Technicolor Universal Registration document attached above and available on the group intranet : https://www.technicolor.com/sites/default/files/2021-04/20210407%20-%20TECHNICOLOR%20-%20URD%202020%20ENG.pdf

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Downstream transportation and distribution

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

1

Page/section reference

Pages 194-106 of Technicolor Universal Registration document attached above and available on the group intranet : https://www.technicolor.com/sites/default/files/2021-04/20210407%20-%20TECHNICOLOR%20-%20URD%202020%20ENG.pdf

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

100

Scope 3 category

Scope 3: Purchased goods and services

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

1

Page/section reference

Pages 194-106 of Technicolor Universal Registration document attached above and available on the group intranet : https://www.technicolor.com/sites/default/files/2021-04/20210407%20-%20TECHNICOLOR%20-%20URD%202020%20ENG.pdf The data reviewed is on External or colocated Data Centers. The percentage of the category described is not known.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

Scope 3 category

Scope 3: Use of sold products

Verification or assurance cycle in place

Annual process

Status in the current reporting year

Complete

Type of verification or assurance

Limited assurance

Attach the statement

1

Page/section reference

Pages 194-106 of Technicolor Universal Registration document attached above and available on the group intranet : https://www.technicolor.com/sites/default/files/2021-04/20210407%20-%20TECHNICOLOR%20-%20URD%202020%20ENG.pdf The data here described relates to Connected Home products sold emissions during one year of their lifetime.

Relevant standard

ISAE3000

Proportion of reported emissions verified (%)

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?

Yes

C11.2a

(C11.2a) Provide details of the project-based carbon credits originated or purchased by your organization in the reporting period.

Credit origination or credit purchase

Credit origination

Project type

Forests

Project identification

The Manaus site in Brazil already benefits from a low emission factor from Grid consumed electricty (hydroelectricity mostly) and its solar panels generate 10% or energy consumed at the site, covering lighting around and in the facility. However for several years now it offsets all it's scope 1+2+3 documented emissions (including electricity, fuels, transportation inbound and outbound), by contributing to the planting of trees in the Amazonas region via the IBDN organization. The Manaus site therefore compensates more than it's emissions and planted over 6200 native trees in an Amazonas reserve for which it received a certificate from the Brazilian Insitute of Nature Defense, IBDN. https://ibdn.org.br/selo-neutro-de-carbono/
The IBDN – Brazilian Institute of Nature Defense, founded in March 1991, with registration in the 3rd registry of titles and documents of São Paulo under no. 160.456/91, is qualified as OSCIP - Civil Society Organization of Public Interest under MJ no. 08071.001051/2007-10.
Over these 30 years, they have developed and implemented projects focused on the dissemination of Environmental Education as a fundamental tool for changing attitudes. IBDN has created programs and certifications to preserve the environment, also engaging companies and their employees in our actions, which results in the reduction of their impacts, optimization of their resources and positioning of their brand as "Company Committed to the Environment".

Verified to which standard

Other, please specify

IBDN : O IBDN – Instituto Brasileiro de Defesa da Natureza, fundado em 1991, com registro no 3º cartório de títulos e documentos de São Paulo sob o nº 160.456/91, é qualificado como OSCIP – Organização da Sociedade Civil de Interesse Público

Number of credits (metric tonnes CO2e)

720

Number of credits (metric tonnes CO2e): Risk adjusted volume

Credits cancelled

Not relevant

Purpose, e.g. compliance

Voluntary Offsetting

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

Information collection (understanding supplier behavior)

Details of engagement

Collect climate change and carbon information at least annually from suppliers

% of suppliers by number

% total procurement spend (direct and indirect)

80.9

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

Rationale for the coverage of your engagement

Impact of engagement, including measures of success

Technicolor added a more systematic risk assessment of suppliers in 2018 with the implementation of the EcoVadis assessment platform (EcoVadis Rating Framework) for suppliers representing a yearly spending of more than €1 million. In 2020, such category represents 91.2% of the total spending of the Group.
Suppliers representing about 80.9% of total spend of this category of Technicolor's suppliers are already assessed by EcoVadis.

Comment

C12.1b

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

Type of engagement

Collaboration & innovation

Details of engagement

Other, please specify

Engaging with customers on all aspects of product design, packaging, shipping with an aim to prioritize actions in constant dialogue with customers.

% of customers by number

100

% 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

Connected Home customers : have for a long time included environmental considerations in call to tenders, and recently have committed to establishing Science Based Targets with the goal to push these goals into their supply chain.

Impact of engagement, including measures of success

Number of contracts obtained, increased revenue, product improvements.

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?

Trade associations

Funding research organizations

C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

Trade association

ETSI is a not-for-profit body officially recognized by the EU as a European Standards Setting organization, with more than 800 member organisations.

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

Focused on the ICT sector, ETSI's sustainability position is focused on reducing consumption (lower power, better power management) and reduced environmental impact (less consumption, longer life, more re-use, more recycling), all of which align with Technicolor's own interests and policies.

How have you influenced, or are you attempting to influence their position?

Technicolor participates in working groups to develop industry standards

Trade association

Digital Video Broadcasting Group
https://www.dvb.org/
https://www.dvb.org/resources/public/whitepapers/cm1621r1_sb2333r1_long-term-vision-for-terrestrial-broadcast.pdf

Is your position on climate change consistent with theirs?

Consistent

Please explain the trade association's position

DVBG's sustainability position is focused on reducing consumption (lower power, better power management) and reduced environmental impact (less consumption, longer life, more re-use, more recycling), all of which align with Technicolor's own interests and policies. The DVBG scope overlap with Technicolor is related to broadcast video technology.

How have you influenced, or are you attempting to influence their position?

Technicolor participates in working groups to develop industry standards

C12.3d

(C12.3d) Do you publicly disclose a list of all research organizations that you fund?

No

C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Technicolor engages with a number of trade associates and research groups with which Technicolor has signification participation. Within these entities, Technicolor includes focus on eco-design and energy efficiency. Internally, in each business segment or activity, an EH&S liaison is identified to ensure Corporate position on Climate change is matched by initiatives. New in 2021, business liaisons will be named to work on defining climate change targets to support the group commitment to work to establish targets and to reduce it's carbon footprint in the years to come, to participate to the worldwide effort to reduce anthropogenic emissions and mitigate inasmuch as possible the likely impacts due to climate change.

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 mainstream reports

Status

Complete

Attach the document

Page/Section reference

p 175

Content elements

Governance
Emissions figures
Other metrics

Comment

Publication

In voluntary sustainability report

Status

Complete

Attach the document

TECHNICOLOR-2020-Sustainability-Communication-FINAL.pdf

Page/Section reference

58 - 76

Content elements

Governance
Risks & opportunities
Emissions figures
Other metrics

Comment

Topics covered : CARBON EMISSIONS, ENERGY EFFICIENCY,RENEWABLE ENERGY, RECYCLING OF WASTE AND OPTIMIZATION OF RAW MATERIAL, ENVIRONMENTAL FOOTPRINT OF PRODUCTS, SUSTAINABLE WATER MANAGEMENT, ADDITIONAL ENVIRONMENTAL ASPECTS; The Technicolor 2020 Sustainability Communication is attached and is published on the Technicolor Website, CSR pages, as well as available for upload at https://www.technicolor.com/corporate-social-responsibility alongside other past CSR Communications ; It will also later be available under the Global Compact pages under Technicolor,constituting its yearly Communication on Progress.

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, Environment Health and Safety	Environmental, health and safety manager