

FORMAT		
1. Name of resource	1.5°C Business Playbook	
2. Location	https://exponentialroadmap.org/1-5c-business-playbook/	
3. Alternative location	https://tools.netzeroclimate.org/Ogduz0?utm_source=The%201.5°C%20Business%20Playbook&utm_medium=tools-library&utm_campaign=SMECH .	
4. Author[s]	Exponential Roadmap	
5. Publisher/producer/host	Exponential Roadmap	
6. Year	2020	
7. Suggested citation	Exponential Roadmap (2020). 1.5°C Business Playbook , available at https://exponentialroadmap.org/1-5c-business-playbook/ .	
8. Languages in which available	English	
9. Geographic area resource relates to	Worldwide	
10. Does the resource relate to a specific time frame?	2020-30	
11. Type	Report	Yes
	Toolkit/Framework/Roadmap	Yes
	Sign-post to other resource (database)	
	Case studies	
	Other	Yes (video)
12. If this is part of an initiative, what is the initiative?	<p>"The Exponential Roadmap Initiative brings together innovators, scientists, companies and NGOs with the mission to halve emissions before 2030 through exponential climate action and solutions...</p> <p>The Exponential Roadmap Initiative is an official partner of United Nation's Race to Zero campaign and TED Countdown, and is a founding partner of the SME Climate Hub.</p> <p>The Exponential Roadmap highlights the 36 solutions that can scale exponentially to halve Greenhouse Gas Emissions by 2030 worldwide. Scaling of solutions comes from sharp policy, from climate leadership by companies and cities and from a finance and technology shift towards green solutions with exponential potential.</p> <p>The roadmap shows how we can build a stronger, more resilient and future-proof global economy and increase human prosperity and health – within the planetary boundaries."</p>	
COLLECTIONS AND COLLECTIONS-BASED INSTITUTIONS		
13. Explicit links to collections	No	

14. Explicit links to museums/libraries/archives	No	
15. Types of institutions the resource covers	Museums	X
	Archives	X
	Libraries	X
	Other	X
16. Does the resource relate to specific disciplines?	Arts, humanities and social sciences: philosophy, psychology, religion, social sciences, law, politics, language, arts and recreation, architecture, literature, history, geography and ethnology, anthropology, archaeology	X
	Science, natural history, technology, medicine, engineering, manufacturing	X
17. If no explicit links to collections, justification for inclusion	The resource can help collecting institutions accelerate climate change adaptation and mitigation.	
HOW IT CONTRIBUTES TO SUSTAINABLE DEVELOPMENT		
18. Collections-related activities the resource relates to (mark all that apply)		
Develop collections to protect and safeguard wider cultural and natural heritage more effectively, and that support sustainable development for example by targeting collecting to threatened forms of heritage in strategic ways		
Use collections to promote learning and educational opportunities that contribute to sustainable development more effectively, for example education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development and/or skills development relating to collections		
Use collections to promote cultural participation/social inclusion more effectively, for example by reducing barriers to participation, to ensure no-one is 'left behind'		
Use collections to promote sustainable tourism more effectively, for example by developing new products based on local cultural heritage, and/or considering the rights of stakeholder groups in relation to collections		
Use collections to support research that contributes to sustainable development (including all forms of personal and self-directed research at all levels that make use of stored collections) more effectively, for example by providing effective facilities, collections and information to meet researchers' needs		
Make decisions around collections that contribute to sustainable development more effectively		
i. employment (recruiting, staff training, staff safety)		X

ii.	energy consumption, greenhouse gas emissions, reduction, monitoring and reporting	X
iii.	waste management and reduction of waste	X
iv.	transport (forms of transport, energy use)	X
v.	commercial activities including copyright and IP	X
vi.	governance and management	X
vii.	security, disaster preparedness and risk reduction	X
Direct external leadership, partnerships and collaborations towards sustainable development more effectively , for example by developing impactful partnerships		X
19. Does the resource relate clearly to any international conventions (mark all that apply)?		
Culture conventions:		
1952, 71 Protection of Copyright and Neighbouring Rights		
1954 Protection of Cultural Property in the Event of Armed Conflict		
1970 Fighting Against the Illicit Trafficking of Cultural Property		
1972 Protection of the World Cultural and Natural Heritage		
2001 Protection of the Underwater Cultural Heritage		
2003 Safeguarding of the Intangible Cultural Heritage		
2005 Protection and Promotion of the Diversity of Cultural Expressions		
Rio Conventions:		
Convention on Biological Diversity (CBD), Convention to Combat Desertification (UNCCD), Framework Convention on Climate Change (UNFCCC)		X
AIMS AND CONTENT		
20. What issues does the resource aim to address?	<p>“The 1.5°C Business Playbook helps organisations to set a 1.5°C aligned strategy and move to action. It focuses on simplicity and speed and is anchored in the latest science [as expressed in IPCC reports].</p> <p>The Playbook is supported by an eco-system of frontline organisations, committed to halving emissions before 2030 towards net-zero, integrating climate in business strategy and contributing to climate action in society.”</p> <p>“It is critical to mobilise the entire business sector for the 1.5°C ambition and to halve emissions before 2030. Businesses will contribute in several ways. First, by rapidly reducing their own emissions. Second, by reducing emissions in their value chains. Third, and most importantly, by scaling products, services and projects that enable reduction of emissions or even remove carbon from the atmosphere. Finally, by displaying climate leadership and influencing wider action in society.” (p.3)</p>	
21. Intended audience of resource	<p>“This Playbook is developed for companies and organisations of all sizes that want to align with the 1.5°C and net-zero ambition. It contains solid guidelines for companies of all sizes to set targets, strategy and actions.” (p.4)</p>	
22. Process of development	<p>“It has been developed by experts from a number of contributing and supporting organisations during 2019 and updated in September 2020. It is developed as an open-source guideline and will be complemented by recommended software tools, resources and leading company examples. The playbook</p>	

	will be regularly updated, based on learnings from users, latest science and upcoming standards.” (p.26)
23. Organisation/structure/contents	<ul style="list-style-type: none"> • Introduction • Who Is This Playbook For? • Carbon Law • Planetary Stewardship Driving Competitive Advantage • Setting a Four-Pillar Climate Strategy • Assume Climate Leadership – Commit to the 1.5°C Ambition • PILLAR 1. Reduce Your Own Emissions • PILLAR 2. Reduce Your Value Chain Emissions • PILLAR 3. Integrate Climate In Your Business Strategy • PILLAR 4. Influence Climate Action in Society • Funding of Climate Projects • Report on progress
FRAMEWORKS	
24. Framework structure	The four pillars can be considered as a framework. Each pillar is presented with contextual information on the role of that activity in the overall race to zero emissions, a set of proposed actions, and key reduction measures.
25. Relevant policy considerations	Yes
26. Resources for implementation identified	Yes
27. Specific assessment points/indicators/milestones/action plan for monitoring	Yes
28. ASPECTS OF SUSTAINABILITY COVERED BY RESOURCE (mark all that apply)	
People (social sustainability)	X
Planet (environmental sustainability)	X
Prosperity (economic sustainability)	X
Peace	X
Partnerships	X
29. CROSS-CUTTING CONSIDERATIONS COVERED BY RESOURCE (mark all that apply)	
Gender perspectives	X
North and South perspectives	X
HOW THE RESOURCE CONTRIBUTES TO AGENDA 2030 AND THE SDGs	
HOW AGENDA 2030 AND THE SDGs FEATURE IN THE RESOURCE	
30. SDGs and Agenda 2030 specifically mentioned?	Yes
31. SDGs specifically mentioned?	No
32. SDG targets specifically mentioned?	No

33. SDG indicators specifically mentioned?	No
SDGs AND SDG TARGETS AND LINKAGES	
34. Comments on SDG linkages	<p>The resource is focussed on adopting sustainable practices and sustainability reporting (SDG 12.6) and taking climate action (SDG 13.3). These are linked to SDGs 7.2 (uptake of renewable energy) and 7.3 (improving energy efficiency), and 9.4 (upgrading infrastructure to be sustainable), SDGs 12.2 (sustainable use of natural resources), 12.4 (managing wastes into the environment), 12.5 (reducing waste through prevention, reduction, reuse and recycling), and 12.7 (green procurement). Integrating climate change into policies, management and reporting also contributes to SDG 16.6 ('Develop effective, accountable and transparent institutions at all levels'), SDG 16.10 (access to information and protecting fundamental rights and freedoms), and SDGs 16.B (policies that support sustainable development) and 17.14 (policy coherence for sustainable development).</p> <p>Influencing climate action in society (pillar 4) supports SDGs 4.4 (staff training), 4.7 (Education for Sustainable Development), 12.8 (information for lifestyles in harmony with nature) and 13.3 (climate change education and awareness).</p> <p>Supporting climate-positive projects through robust approaches to offsetting supports a number of SDG targets, including 15.A (mobilize financial resources to conserve biodiversity and ecosystems) and 15.B (mobilize resources for sustainable forest management, including in developing countries).</p>
35. SDGs and SDG targets the resource helps advance	
SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all 4.4 By 2030, substantially increase the number of youth and adults who have relevant skills, including technical and vocational skills, for employment, decent jobs and entrepreneurship	<p>Number of young people and adults in skills-development activities and programmes drawing on collections, for employment, decent jobs and entrepreneurship</p> <p>Increase in number of young people and adults in such programmes</p> <p>Number and proportion of staff who have received training in the last year, to better support their contribution to the SDGs.</p> <p>Programs and processes in place to ensure the availability of a skilled workforce.</p>
SDG 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all	Numbers of people in each type of programme drawing on collections from different demographic groups.

<p>4.7 By 2030, ensure that all learners acquire the knowledge and skills needed to promote sustainable development, including, among others, through education for sustainable development and sustainable lifestyles, human rights, gender equality, promotion of a culture of peace and non-violence, global citizenship and appreciation of cultural diversity and of culture's contribution to sustainable development</p>	<p>Increases in numbers of people in each type of programme from different demographic groups.</p> <p>Proportion of people involved in such programmes in relation to overall audience size.</p> <p>Evidence that learners have acquired knowledge and skills to promote sustainable development.</p>
<p>SDG 7. Ensure access to affordable, reliable, sustainable and modern energy for all 7.2 By 2030, increase substantially the share of renewable energy in the global energy mix</p>	<p>Proportion of energy that comes from renewable sources.</p> <p>Date to achieve net zero, and milestones towards that date.</p>
<p>SDG 7. Ensure access to affordable, reliable, sustainable and modern energy for all 7.3 By 2030, double the global rate of improvement in energy efficiency</p>	<p>Reduction in energy use.</p> <p>Upgrade of old equipment to more efficient equipment.</p> <p>Uptake of renewable sources of energy.</p>
<p>SDG 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation 9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</p>	<p>Number and proportion of collections facilities that:</p> <ol style="list-style-type: none"> 1. make efficient use of resources, with an ongoing drive for efficiencies and reductions in energy use and waste of all forms. 2. use clean and environmentally sound technologies, including climate-friendly energy sources and materials, with an ongoing commitment to reduce greenhouse gas emissions and waste of all forms. 3. adopt and/or prioritise collections-related processes and practices to reduce greenhouse gas emissions and waste of all forms.

<p>SDG 12 Ensure sustainable consumption and production patterns SDG 12.2 By 2030, achieve the sustainable management and efficient use of natural resources</p>	<p>Reduction of material footprint in terms of reductions in consumption of biomass, fossil fuels, metal ores and non-metal ores.</p>
<p>SDG 12 Ensure sustainable consumption and production patterns 12.4 By 2020, achieve the environmentally sound management of chemicals and all wastes throughout their life cycle, in accordance with agreed international frameworks, and significantly reduce their release to air, water and soil in order to minimize their adverse impacts on human health and the environment</p>	<p>Quantities, and reduction in quantities, of chemicals of all kinds, including chemicals used in maintenance of collections facilities, and chemicals used in care and preparation of collections, and all wastes throughout their life cycle, reducing release to air, water and soil.</p> <p>Plans in place to eliminate the use and release of hazardous chemicals and harmful wastes of all kinds into the natural environment as soon as possible.</p>
<p>SDG 12 Ensure sustainable consumption and production patterns 12.5 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse</p>	<p>Quantity and reductions in quantity of waste of all kinds, including avoidance/prevention of waste production, reuse, and recycling. Quantity of material recycled in comparison with quantity sent to landfill. Increases in recycling rate in comparison with landfill.</p>
<p>SDG 12 Ensure sustainable consumption and production patterns 12.6 Encourage companies, especially large and transnational companies, to adopt sustainable practices and to integrate sustainability information into their reporting cycle</p>	<p>Clear visions, strategies and plans in place for all aspects of sustainability – environmental, social and economic (people, planet, prosperity)- across all areas of activity.</p> <p>Visions, strategies and plans relating to sustainability to be publicly available and incorporated into planning documents.</p> <p>Commitments to be in line with local, regional, national and/or international targets and ambitions.</p> <p>Incorporation of sustainability into reporting for funders and other stakeholders, including the public. Reporting to include commitments and progress towards targets.</p>
<p>SDG 12 Ensure sustainable consumption and production patterns 12.7 Promote public procurement practices that are sustainable, in accordance with national policies and</p>	<p>Incorporation of sustainability considerations into procurement, in terms of advertisement and invitation to tender, contracts, and selection criteria for suppliers.</p>

priorities	
SDG 12 Ensure sustainable consumption and production patterns 12.8 By 2030, ensure that people everywhere have the relevant information and awareness for sustainable development and lifestyles in harmony with nature	<p><i>12.8.1 Extent to which (i) global citizenship education and (ii) education for sustainable development (including climate change education) are mainstreamed in (a) national education policies; (b) curricula; (c) teacher education; and (d) student assessment</i></p> <p>Extent to which global citizenship education and education for sustainable development (including climate change education) are mainstreamed in formal, informal and non-formal education programmes and activities drawing on and related to collections.</p>
SDG 13. Take urgent action to combat climate change and its impacts 13.3 Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning	<p>Plans in place to enhance positive contributions to addressing climate change through use of collections. Plans in place to ensure collections, collections institutions and broader society can adapt effectively to climate change.</p> <p>Plans in place for effective education and awareness raising on climate change mitigation, adaptation, impact reduction and early warning.</p> <p>Plans in place to reduce negative contributions of collections-related functions, e.g. measuring greenhouse emissions with plans and targets in place to reduce them.</p>
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 15.A Mobilize and significantly increase financial resources from all sources to conserve and sustainably use biodiversity and ecosystems	<p>Revenue generated to conserve and sustainably use biodiversity and ecosystems.</p> <p>Direct financial support given to projects and organisations for conservation and/or sustainable use of biodiversity and ecosystems.</p>
SDG 15 Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss 15.B Mobilize significant resources from all sources and at all levels to finance	<p>Revenue generated to conserve and sustainably use forests, including conservation and reforestation, and that support local and Indigenous peoples.</p> <p>Direct financial support given to projects and organisations to conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.</p> <p>Other forms of support provided to projects and organisations to</p>

sustainable forest management and provide adequate incentives to developing countries to advance such management, including for conservation and reforestation	conserve and sustainably use forests, including for conservation and reforestation, and that support local and Indigenous peoples.
SDG 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels. 16.6 Develop effective, accountable and transparent institutions at all levels	<p><i>16.6.2 Proportion of the population [audience/users/non-users] satisfied with their last experience of public services</i> Access to information, and accountability policies and mechanisms, in place.</p> <p>Effective institutional arrangements, both for own working and for working in partnership with other sectors, in place.</p> <p>Plans and arrangements in place for extraordinary circumstances such as natural and human-caused disasters.</p> <p>Effective arrangements in place to fulfil legal and social obligations and responsibilities.</p> <p>Effective arrangements in place for transparent communication and reporting of institutional performance.</p> <p>Effective arrangements in place for transparent decision-making and accountability.</p>
SDG 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels. 16.10 Ensure public access to information and protect fundamental freedoms, in accordance with national legislation and international agreements	<p>Adopt and implement constitutional, statutory and/or policy guarantees for public access to information.</p> <p>Plans in place, and plans implemented to enhance public access to information relating to collections.</p> <p>Plans in place, and plans implemented to support fundamental freedoms, in line with human rights, national and international agreements and legislation.</p> <p>Plans and procedures in place for public access to information relating to the operation and management of collections-based institutions.</p> <p>Complaint mechanism in place for public to use where public access to information and fundamental freedoms not supported or fulfilled.</p>
SDG 16. Promote peaceful and inclusive societies for sustainable development, provide access to justice for	<i>16.B.1 Proportion of population [audience/users/non-users] reporting having personally felt discriminated against or harassed in the previous 12 months on the basis of a ground of</i>

all and build effective, accountable and inclusive institutions at all levels. 16.B Promote and enforce non-discriminatory laws and policies for sustainable development		<i>discrimination prohibited under international human rights law</i> Number and proportion of policies that incorporate sustainable development considerations, in the full sense of recognizing all three of social, economic and environmental considerations.			
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	