Web Sustainability Guidelines

Summary Table & Checklist

2.1	Display any variables that have a negative impact on your project					
	Success Criterion					
	Identify existing or potential negative external variables affecting a project. Disclose these in a publicly available resource, identifying areas where digital sustainability can be improved. Perform this audit at the start of your project and at regular intervals.					
	Impact & Effort	Med	lium	Med	ium	
	GRI Medium Medium Medium Medium					
2.2	Understand visitor	requirements or cons	straints, resolving ba	rriers to access		
	Success Criterion					
	and/or qualitative re	esearch, testing, or a		define their needs the rvisitors and affecte process.		
				age, operating syste		
			dentify whether a tec riers or improve acc	chnical, material, or hess to content.	uman constraint	
	Remove identified to issues, or other pair		hese can include ded	ceptive design patter	rns, accessibility	
			itors, an equitable ro needs, or iterative de	ole in the decision-ma esign work.	aking process	
	Impact & Effort	Med	lium	Hiç	gh	
	GRI	Medium	Medium	Medium	Medium	
2.3	Understand the imp	act for non-users				
	Success Criterion					
	impacted by choice jams due to deliveri or supply chain pre-	es made in e-comme es. Other examples	erce, this can include include the local hea i-user needs, unders	parties who might be neighbors accepting alth impacts of infras tand how they might	g parcels or traffic tructure emissions,	
	Impact & Effort	Med	lium	Med	ium	
	GRI	Medium	Medium	Medium	Medium	
2.4	Integrate sustainab	ility into every stage	of the ideation proce	ess		
	Success Criterion					

	Optimize all branding materials and assets approved during the ideation process in line with sustainability best practices prior to deployment. This also applies to brand refreshes, rebranding, and later enhancements. Make publicly available branding guidelines detailing the sustainability impact and best-practice deployment of materials and assets.				
		mes and rapid prototyping to quickly build consensus, reduce risk, and reduce the esources needed to build features. Evaluate the impact of all tools used.			
	When conducting u	ry design approach t iser testing, reach ou sers to apply their kn	it to your community	to help improve you	ur product. Provide
	Impact & Effort	Lo	w	Lo	ow .
	GRI	Low	Low	Low	Low
2.5	Find ways to resolv	e any affected party	issues prior to imple	ementation	
	Success Criterion				
	Use a human-cented directly and indirect	ered approach during tly affected parties.	ideation to conside	er the needs, interest	s, and impact on
		needs and environm n-user, non-human (a		-	
	Impact & Effort	Med	lium	Med	lium
	GRI	Medium	Medium	Medium	Medium
2.6	Minimize non-esser	ntial content, interact	tivity, or journeys		
	Success Criterion				
	action, reduction of	nple and efficient as f choice, and ensurin fficiency.			
	can improve user efficiency. Ensure user journeys are as smooth as possible. It also helps to build on established design				
		ys are as smooth as e already understand		o to build on establish	oned design
	patterns that people		d.		
	Enable visitors to co	e already understand	d. ut distractions or nor	n-essential features	getting in the way.
	Enable visitors to company show visitors if from view.	e already understand omplete tasks withou information that is re- ive actionable inform	d. ut distractions or nor levant to their experi	n-essential features of the second in the se	getting in the way.
	Enable visitors to company show visitors if from view.	e already understand omplete tasks withou information that is re- ive actionable inform	d. ut distractions or nor levant to their experi ation, such as pop-t	n-essential features of the second in the se	getting in the way. sential information s, can only be
	Enable visitors to complete of the complete of	e already understand omplete tasks without information that is relive actionable informor.	d. ut distractions or nor levant to their experi ation, such as pop-t	n-essential features of the contract of the co	getting in the way. sential information s, can only be
	patterns that people Enable visitors to complete the complete visitors in the complete visitors in the complete visit vi	e already understand omplete tasks without information that is relive actionable information. Medium	d. ut distractions or nor levant to their experi- ation, such as pop-u	n-essential features gience, hiding non-esup or modal window	getting in the way. sential information s, can only be
	patterns that people Enable visitors to complete the complete of the complete	e already understand omplete tasks without information that is relive actionable information. Medium	d. ut distractions or nor levant to their experi- ation, such as pop-u	n-essential features gience, hiding non-esup or modal window	getting in the way. sential information s, can only be
	Patterns that people Enable visitors to comply show visitors in from view. Ensure that disruption initiated by the visit initiated by th	e already understand omplete tasks without information that is relive actionable information. Medium dign with care lign only when it enhance user experients	d. ut distractions or nor levant to their experi- lation, such as pop-ulium Medium ances user experience	n-essential features gience, hiding non-essup or modal window Medium Ce. Remove unneces	getting in the way. sential information s, can only be lium Medium

	GRI	High	High	High	High			
2.8	Ensure that navigat	ion and wayfinding a	are well-structured					
	Success Criterion							
	Provide an accessible, easy-to-use navigation menu with search features to help visitors easily find what they need.							
	Consider implementing an efficient and regularly updated sitemap for human visitors. While guidance beyond the nav bar may be unnecessary for smaller projects, clearly structured human-readable sitemaps can improve accessibility and help users find their way through websites or other online content with naturally complex or legacy information architecture.							
	Implement lightwei	ght and efficient mea	ans for visitors to lea	rn about new conter	nt and services.			
	Impact & Effort	Lo	ow	Lo	ow			
	GRI	Medium	Low	Medium	Low			
2.9	Design to assist an	d not to distract			!			
	Success Criterion							
	Ensure users can e attention, focus, an		d when they receive	information, with res	spect for their			
		hat assist rather than ng with your content	n distract visitors, no	t unnecessarily prolo	onging the time			
	Avoid using design	strategies intended	to artificially prolong	user attention, such	n as infinite scroll.			
	Impact & Effort	Med	lium	Lo	ow .			
	GRI	Medium	Medium	Medium	Medium			
2.10	Use established de	sign patterns and ap	propriate componer	nts				
	Success Criterion							
	Display only essent patterns to maximize		ne time they are need	ded. Where appropri	ate, use familiar			
	Impact & Effort	Med	lium	Lo	ow .			
	GRI	Medium	Low	Medium	Low			
2.11	Avoid being manipu	ulative or deceptive						
	Success Criterion							
		best interest. Examp	ding techniques that ples include anti-righ	-	_			
			ts and sponsorships cal value without din					
	Evaluate and remove without user conse		nused analytics and	tracking, including a	ny operating			

	Focus on serving user intent through non-manipulative search and social media optimization. For example, do not misuse coding practices intended to support assistive technologies. This can include content with natural redundancy, or unhelpful or low-quality material designed only to manipulate search results.							
	Impact & Effort	Hi	gh	Medium				
	GRI	Low	Low	Low	Low			
2.12	Make deliverables u	understandable and	nderstandable and reusable					
	Success Criterion							
	Create deliverables	, including documen	tation, in ways that t	facilitate later reuse.				
	Document function that needs to use the	-	pecifications so that	they can be underst	ood by everyone			
	•	ccess to code comm d, maintain, and use		bility to view source	to make it easier to			
	Impact & Effort	Med	lium	Hi	gh			
	GRI	Medium	Medium	Medium	Medium			
2.13	Use a design syste	m for interface consi	stency					
	Success Criterion							
		m based on web sta		ned patterns to share	e interface			
	Impact & Effort	Lo	w	Med	ium			
	GRI	Medium	Low	Medium	Low			
2.14	Provide clear, inclus	sive content with pur	pose					
	Success Criterion							
	Success Criterion		Write content using plain and inclusive language, at an appropriate reading level for your audience. Account for specific needs in relation to accessibility, native language, and internationalization.					
	Write content using							
	Write content using Account for specific Use appropriate for consideration of vis	matting for digital matting for digital matting for digital matting for digital matter hierarchy. Use he	accessibility, native edia. Provide a clear eadings, bulleted list		nationalization. with highlights			
	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi	matting for digital matting for digital matting for digital matting for digital matting the matting for matting with a second control of the matting for matting the matting for matter matter for matting for matting for matting for matting for matter matter for matte	edia. Provide a clear eadings, bulleted list appropriate formattin	language, and interest document structure ts, line spacing, and	e with highlights rs need to take.			
	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi	matting for digital matting for digital matting for digital matting for digital matting the matting for matting with a second control of the matting for matting the matting for matter matter for matting for matting for matting for matting for matter matter for matte	edia. Provide a clear eadings, bulleted list appropriate formattinges and throughout	r document structure ts, line spacing, and ng for the action use	e with highlights rs need to take.			
	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi Prioritize SEO from found and used.	matting for digital matting for digital matting for digital matting hierarchy. Use he de information with a the early design stage.	edia. Provide a clear eadings, bulleted list appropriate formattinges and throughout	r document structure ts, line spacing, and ng for the action use the lifecycle to ensur	e with highlights rs need to take.			
2.15	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi Prioritize SEO from found and used. Impact & Effort	meeds in relation to matting for digital matting for digital matting for digital matter deal hierarchy. Use he de information with a the early design star	edia. Provide a clear eadings, bulleted list appropriate formattinges and throughout	r document structure is, line spacing, and ng for the action use the lifecycle to ensur	e with highlights rs need to take. The content can be			
2.15	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi Prioritize SEO from found and used. Impact & Effort GRI	meeds in relation to matting for digital matting for digital matting for digital matter deal hierarchy. Use he de information with a the early design star	edia. Provide a clear eadings, bulleted list appropriate formattinges and throughout	r document structure is, line spacing, and ng for the action use the lifecycle to ensur	e with highlights rs need to take. The content can be			
2.15	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi Prioritize SEO from found and used. Impact & Effort GRI Optimize images for Success Criterion	matting for digital matting for digital matting for digital matting hierarchy. Use he de information with a the early design start the Medium Medium r sustainability	edia. Provide a clear eadings, bulleted list appropriate formattinges and throughout bw	r document structure is, line spacing, and ng for the action use the lifecycle to ensur	e with highlights rs need to take. re content can be			
	Write content using Account for specific Use appropriate for consideration of vis appropriately. Provi Prioritize SEO from found and used. Impact & Effort GRI Optimize images for Success Criterion Determine the need	matting for digital matting for digital matting for digital matting hierarchy. Use he de information with a the early design state. Medium r sustainability	edia. Provide a clear eadings, bulleted list appropriate formattir ges and throughout bw Low assideration of the question accessibility, native	language, and interest of the spacing, and standard for the action use the lifecycle to ensure the Medium	with highlights rs need to take. re content can be w Low zes required.			

	Provide the option for images to be disabled or provide a low-fidelity alternative.						
	Set up a media management and use policy to reduce the overall impact of images. Include criteria for media compression and file formats.						
	Impact & Effort	High		Lo	ow		
	GRI	High	High	High	High		
2.16	Optimize media for	sustainability	sustainability				
	Success Criterion						
	Do not include any on audio and video	video or audio unles	s it provides positive	e value. Disable auto	o-play functionality		
		oress media appropri -native embedded m		in compatible and	appropriate		
		e media on the client c representational el		media itself, behind	a facade - a non-		
		ol media, including a nform users the leng			-		
		anagement and use peo, or emerging medi	•		•		
	Impact & Effort	Hi	gh	Med	dium		
	GRI	High	High	High	High		
2.17	Ensure animation is	s proportionate and e	easy to control				
	Success Criterion						
	Use animation only	when it adds value	and not for decorativ	ve elements.			
	Progressively display an appropriate number of animations to avoid overburdening the visitor or negatively impacting device performance. This includes setting a maximum number of replays or						
		g device performand		ting a maximum nur			
	negatively impactin iterations.	g device performand art, stop, pause, or of	ce. This includes sett				
	negatively impactin iterations.		ce. This includes sett	nated content.			
	negatively impactin iterations. Allow visitors to sta	art, stop, pause, or of	ce. This includes sett	nated content.	mber of replays or		
2.18	negatively impactiniterations. Allow visitors to sta Impact & Effort GRI	art, stop, pause, or of	ce. This includes settentherwise control animalium High	nated content.	mber of replays or		
2.18	negatively impactiniterations. Allow visitors to sta Impact & Effort GRI	Art, stop, pause, or of Med High appropriate web typ	ce. This includes settentherwise control animalium High	nated content.	mber of replays or		
2.18	negatively impactiniterations. Allow visitors to sta Impact & Effort GRI Use optimized and Success Criterion	Art, stop, pause, or of Med High appropriate web typ	ce. This includes settentherwise control aninum High ography	nated content.	mber of replays or		
2.18	negatively impactiniterations. Allow visitors to state of the state o	High appropriate web typ	therwise control anin lium High ography wherever possible. or subset fonts to or	nated content. Lo High mit unnecessary or o	ow High unused variations,		
2.18	negatively impactiniterations. Allow visitors to state of the state o	High appropriate web typerses veb-safe typerses vebfonts used. Design	therwise control anin lium High ography wherever possible. or subset fonts to or	mated content. Lo High mit unnecessary or or or or file format available	ow High unused variations,		
2.18	negatively impactiniterations. Allow visitors to state impact & Effort GRI Use optimized and Success Criterion Use pre-installed, visuch as font weight	High appropriate web typ veb-safe typefaces v f fonts used. Design	therwise control anin lium High ography wherever possible. or subset fonts to or	mated content. Lo High mit unnecessary or or or or file format available	ow High unused variations, e.		

	Success Criterion					
	Provide open alternatives, such as HTML, to proprietary file formats, such as PDF.					
	Provide a suitable font stack as a fallback when custom typefaces are used.					
		alternative text for a nding of the content		s that are non-decora	ative and support	
	Include transcripts	and/or text versions	of media files as an	alternative to playing	g the media.	
				videos. Provide locali t meet the same star		
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.20	Provide accessible,	user-friendly, minim	al web forms			
	Success Criterion					
	needs while satisfy is necessary, the va	ing the organization's alue it provides, the r	s minimum requirem number of steps requ	e minimum necessary ents. Clearly commu uired for completion, e shared with third p	inicate why a form and what will be	
	and reduce unnece		quests. Support the	tial entry to conserve use of helpful tooling		
	Impact & Effort	Lo	ow .	Lo	ow .	
	GRI	Medium	Low	Medium	Low	
2.21	Consider the exper	ience in non-visual b	rowsers and interfac	ces		
	Success Criterion					
		ing from assistive te		phical ways to intera agents. Consider and		
	Impact & Effort	Lo	DW	Med	lium	
	GRI	Medium	Low	Medium	Low	
2.22	Provide useful notif	ications				
	Success Criterion					
	invasive or energy-		to what is strictly ne	ail, text message (SM cessary. Useful notif nt.	•	
	unsubscribe, log ou		ount should be availa	ttings. Ensure the op able and visible. Ensi		
				prompts and messa nelp to manage users		
	Impact & Effort	Lo	ow	Lo	ow	

	GRI	Medium	Low	Medium	Low		
2.23	Reduce the impact	of downloadable an	d physical documen	ts			
	Success Criterion						
	Design your process to reduce the need for paper documents. Where the production of paper documents is essential, it should be designed to have the lowest impact possible. Include a CSS print stylesheet and test it with different types of content. Encourage saving documents in digital formats over paper-based storage and archiving.						
	Optimize and compress all downloadable documents. Make them available in a variety of accessible file formats.						
		ffort. If a document v a cookie-free doma	will be reused, gener iin.	rate and save it once	on the server side		
	users to choose the	e right format and lar	y, the file size, and the size and the size of the siz	ds where possible. A	void embedding		
	Impact & Effort	Med	lium	Lo	ow		
	GRI	Medium	Low	Medium	Low		
2.24	Get users and cont	ributors invested in t	the project		·		
	Success Criterion						
			d test new features, epresent different pe				
	Ensure prototyping and avoid project a		es are sufficiently re	sourced to support I	ong-term viability		
	Produce or provide	, training materials to	properly educate a	nd onboard new co	ntributors.		
	_	d extensive testing a	alongside user interv ce needs.	iews to validate whe	ther released		
	Impact & Effort	Hi	gh	Med	dium		
	GRI	High	High	High	High		
2.25	Audit and test for b	ugs or issues requiri	ng resolution				
	Success Criterion						
			performance issues, r intervals, such as e				
	Implement non-reg	ression tests for all o	critical features.				
		sion testing into each conflict with existing	release cycle to ens functionality.	sure new features do	not introduce		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
2.26	Measure and test for	or performance					
	Success Criterion						

	Identify and resolve bottlenecks or issues in the underlying code or infrastructure which could impact sustainability and performance. Consider both simulated and real-world metrics. Monitor performance across every release cycle using appropriate tooling or through research and auditing.						
	Collect only data required to provide a streamlined and effective user journey and comply with relevant accessibility and data protection legislation. Put policies in place to ensure strict adherence.						
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	Medium Medium Medium Medium					
2.27	Evaluate feature us	e, value, and impact					
	Success Criterion						
	Monitor visitor feed these insights into f	•	churn rates in relation	on to different featur	es and incorporate		
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	Medium	Medium	Medium	Medium		
2.28	Verify that real-worl	d users can success	sfully use your work				
	Success Criterion						
	Incorporate usabilit for future releases.	y testing into produc	ct cycles and routine	ly measure the impa	ct of these tests		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
2.29	Regularly test and r	maintain compatibilit	у				
	Success Criterion						
	software versions, I		device brands, open	current and obsolete rating systems, and eleases.			
	communicate clear	ly whether an update	e is evolutionary, as i	ty for as long as pos in large updates that at fix bugs or improv	can significantly		
				ty. Testing should co I devices older than			
	-	ble methods such as ement and content p		and prototype interfa	aces to support		
	Use a PWA over a r		ation if it meets susta	ainability, interoperat	oility, and		
	Impact & Effort	Hi	gh	Med	lium		
	GRI	High	High	High	High		
3.1	Set goals based on	performance and er	nergy impact				
	Success Criterion						

	Set clear goals with performance and environmental impact in mind, then meet them. These could include, the number of requests or elements that must be rendered.						
	Consider differences in the energy intensity or testable impact across each component. For example, unstyled text is less computationally intensive to render than CSS, which in turn is less process-heavy than JavaScript, which is less resource-heavy than WebGL or 4K video.						
	Impact & Effort	Med	ium	Med	lium		
	GRI	Medium Medium Medium Medi					
3.2	Remove unnecessary or redundant information						
	Success Criterion						
	data files to reduce	ary whitespace, comi file sizes and improv her relevant file type	e loading times. Thi				
	Impact & Effort	Lo	W	Lo	ow .		
	GRI	Low	Low	Low	Low		
3.3	Modularize bandwi	dth-heavy componer	nts				
	Success Criterion						
		idth-heavy compone . This applies to both			can be loaded		
	Impact & Effort	Med	ium	Lo	ow .		
		Medium Medium					
	GRI	Medium	Medium	Medium	Medium		
3.4	GRI Remove unnecessa		Medium	Medium	Medium		
3.4		ary code	Medium	Medium	Medium		
3.4	Remove unnecessa Success Criterion	ary code					
3.4	Remove unnecessa Success Criterion	ary code	code, commonly wi		cript.		
3.4	Remove unnecessa Success Criterion Identify and elimina	ary code te unused and dead	code, commonly wi	thin CSS and JavaS	cript.		
3.4	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI	ary code te unused and dead Med	code, commonly wi ium Medium	thin CSS and JavaS Med	cript. lium		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI	ary code Ite unused and dead Med Medium and duplication in co	code, commonly wi ium Medium	thin CSS and JavaS Med	cript. lium		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI Avoid redundancy a Success Criterion Remove duplication	ary code Ite unused and dead Med Medium and duplication in co	code, commonly wi ium Medium de optimize your code	thin CSS and JavaS Medium for better performan	cript. lium Medium nce, focusing on		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI Avoid redundancy a Success Criterion Remove duplication essential features s Improve existing so	ary code Ite unused and dead Medium And duplication in co In and/or simplify and o you have a cleaner olicate the coding eff	code, commonly wi ium Medium de optimize your code r, less redundant pro	thin CSS and JavaS Medium for better performanduct and codebase. esigning products fro	cript. lium Medium nce, focusing on om scratch, since		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI Avoid redundancy a Success Criterion Remove duplication essential features s Improve existing so the latter would dup reduce the learning	ary code Ite unused and dead Med Medium And duplication in co In and/or simplify and o you have a cleaner Solicate the coding eff burden for visitors. ethodology and syst	code, commonly wi ium Medium de optimize your code r, less redundant pro edeveloping and red fort and maintenance	thin CSS and JavaS Medium for better performanduct and codebase. esigning products from the burden for developed.	cript. lium Medium nce, focusing on om scratch, since pers rather than		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI Avoid redundancy a Success Criterion Remove duplication essential features s Improve existing so the latter would dup reduce the learning Use organization m	ary code Ite unused and dead Med Medium And duplication in co In and/or simplify and o you have a cleaner Solicate the coding eff burden for visitors. ethodology and syst	code, commonly wi ium Medium de optimize your code r, less redundant pro edeveloping and red fort and maintenance ems such as DRY of	thin CSS and JavaS Medium for better performanduct and codebase. esigning products from the burden for developed.	cript. lium Medium nce, focusing on om scratch, since pers rather than e arrangement and		
	Remove unnecessa Success Criterion Identify and elimina Impact & Effort GRI Avoid redundancy a Success Criterion Remove duplication essential features s Improve existing so the latter would dup reduce the learning Use organization moutput of your Java	medium Medium Medium and duplication in company and	code, commonly wi ium Medium de optimize your code r, less redundant pro edeveloping and red fort and maintenance ems such as DRY of	thin CSS and JavaS Medium for better performand and codebase. esigning products from the burden for development of the burden for development with the burde	cript. lium Medium nce, focusing on om scratch, since pers rather than e arrangement and		

	Success Criterion					
	Assess third-party content and/or services (including plugins, widgets, feeds, maps, carousels, tracking scripts, and more) as early as possible in the ideation or creation process. Use as few as possible, preferring lighter, less complex solutions to reduce the overall environmental impact, including Scope 3 emissions.					
	Use click-to-load triggers based on an import on interaction pattern to prevent automatic loading of third-party content and/or services (see above). Offer suitable alternatives to third-party use, for example, a link to a contact form as an alternative to a chat widget.					
		oraries and framewo		only when unable to	use a more	
	Prioritize self-hoste	d content over embe	edding content from	third-party services.		
			erver, rather than rely tionality within your p	ing on third-party se oroject.	rvices to host and	
	implementation of oparty features along	cookie consent mod	als. Provide mechan f their purpose unles	ducts and services, s isms to disable or re ss it is possible to sh	fuse non-first-	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
3.7	Ensure code follow	s good semantic pra	actices			
	Success Criterion					
	Use accurate mark	up according to the	relevant standard(s).			
	negatively impact for	unctionality, accessil	bility, or readability. F	ault attributes only water attributes only water attributes only was consumed to the construction of the c	ey enhance	
	Avoid using non-sta	andard HTML eleme	nts or attributes.			
	Components if you		lements or if you req	only use custom equire them for the pu		
	Impact & Effort	Med	dium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.8	Defer the loading of	f non-critical resourc	ces			
	Success Criterion					
	Defer loading of no Of Unstyled Conter		assets or set these t	o load asynchronous	sly to avoid a Flash	
	Where external resource and		to be used upon the	documents load, op	timize loading	
	Impact & Effort	Med	lium	Lo	DW .	
	GRI	Medium	Medium	Medium	Medium	
3.9	Provide information	to help understand	the usefulness of a	page		

	Success Criterion						
	Optimize and only include suitable metadata and microdata.						
	Permit appropriate access to search engines while blocking unsustainable robots and scripts.						
	Provide accessibility and usability aids, such as skip links and signposts, to help users find and navigate content.						
	Impact & Effort	Lo	ow .	Lo	ow .		
	GRI Low Low Low						
3.10	Validate form errors	and account for too	oling requirements				
	Success Criterion						
	Identify errors throu	gh live validation an	d with feedback on	submission.			
	-	entify required elements	-	ecognition for visitor	rs using assistive		
	Always allow the co	pying and pasting o	of content (including	passwords) from ext	ernal sources.		
	Impact & Effort	Med	lium	Lc)W		
	GRI	Medium	Medium	Medium	Medium		
3.11	Structure metadata	for machine readab	ility				
	Success Criterion						
	Include the required	d title element, plus a	any beneficial option	al HTML head eleme	ents.		
	_	_		ecognized and used rocabularies such as	-		
	Use microdata, strustructured data form		chema.org), or micro	formats in content w	here a widely used		
	Impact & Effort	Med	lium	Lo	DW		
	GRI	Medium	Medium	Medium	Medium		
3.12	Use sustainability b	eneficial user prefer	ence media queries				
	Success Criterion						
	media queries. Con prefers-contrast, pr motion preference of	sider accounting for efers-reduced-data,	additional user pref prefers-reduced-tra will benefit your use	color-scheme, with cerences, including managerency, and prefers. Use print and scr	nonochrome, ers-reduced-		
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	Medium	Medium	Medium	Medium		
3.13	Ensure layouts worl	k for different device	s and requirements				
	Success Criterion						

	Allow your project to work and adapt seamlessly across a variety of devices and screen sizes, including smartphones, tablets, laptops, desktop computers, smart TVs, and other emerging platforms. This ensures that content and functionality can be easily accessed and are suitably optimized for display on both smaller mobile devices and larger displays without limiting accessibility, usability, or design features on any specific device type. Implement robust fallback strategies to ensure that the digital product or service will not fail if it encounters unsupported technologies. Use progressive enhancement to enhance overall sustainability. This can involve a single approach					
	Use progressive enhancement to enhance overall sustainability. This can involve a single approach or a careful combination, such as adaptive design, mobile-first design, or dynamic serving.					
	Use carbon-aware design techniques to maximize your use of carbon-free energy. This is achieved by adapting the delivery of your project to current electricity availability and visitor grid load. This should include using situational design to reduce the codebase and disable non-essential functionality during high-intensity periods. Similarly, it should be possible to adapt the user interface to perform better with reduced hardware resources, where this measure can be taken to avoid scaling hardware resources and the resultant increase in emissions. It can also include designing algorithms that can automatically disable features based on set thresholds.					
				voice (speech), code jies (watch, applianc		
	Impact & Effort	Med	lium	Lo	W	
	GRI	Medium	Low	Medium	Low	
3.14	Use Standards-bas	ed JavaScript and A	Pls			
	Success Criterion					
	Improve sustainabil	ity through accessib	le and performant co	ode.		
		evant APIs - such as ese can reduce ener		mpression Streams,	Page Visibility, or	
	Call client- or serve send data that is ac		n necessary. Equally	/, ensure an API is op	otimized to only	
	Impact & Effort	Hiç	gh	Med	ium	
	GRI	High	High	High	High	
3.15	Ensure that your co	de is secure				
	Success Criterion					
	Check scripts and a	associated code for	vulnerabilities, explo	its, header issues, a	nd code injection.	
	Impact & Effort	Med	lium	Med	ium	
	GRI	Medium	Medium	Medium	Medium	
3.16	Use dependencies	appropriately and en	sure maintenance			
	Success Criterion					
	-	needed by checking	_	s and frameworks to ncies. Follow up by (

	Limit your use of libraries and frameworks to the genuinely necessary as this will reduce the amount of code that has to be downloaded and parsed by the browser. Consider whether you can use vanilla code instead. Check the package size and whether individual modules can be installed and imported individually, as opposed to the entire library.					
	Regularly check de	pendencies and kee	p them up to date.			
	Impact & Effort	Med	lium	Lo	ow	
	GRI	Low	Low	Low	Low	
3.17	Include expected a	nd beneficial files				
	Success Criterion					
			rch.xml, site.webma d in future web stand			
			carbon.txt, humans.t ards or specification		ensure that any	
	Impact & Effort	Lo	ow	Lo	ow	
	GRI	Low	Low	Low	Low	
3.18	Avoid using deprec	ated, proprietary, or	outdated code			
	Success Criterion					
	date, widely recogn is required to meet otherwise be met. J and/or hardware, ad	lized standards. Only a documented custo lustifiable reasons co	outdated formats any use deprecated, promer need and if the ould include compations reduction. Use e removed.	oprietary, or outdate re is a justifiable ber ibility with essential	ed code where this nefit that cannot legacy systems	
	Impact & Effort	Lo	ow	Med	dium	
	GRI	Low	Low	Low	Low	
3.19	Use the most efficie	ent solution for your	service			
	Success Criterion					
	Identify the requirements and use this as a basis to help you select the most appropriate implementation for your project. A simpler technological implementation may use more human resources but could have a smaller footprint. A prebuilt solution may use more system resources and have a bigger emissions impact on render, but it could have a faster build time - meaning less carbon is emitted in development.					
	Use the most effective approach for your use case. Most of the time, coding from scratch will often provide the most performant results. Where an existing solution is present and is being actively maintained, this may be better optimized than what you can reasonably produce yourself. Favor native components and file systems over WYSIWYG editors - including visual page builders					
	actively maintained, this may be better optimized than what you can reasonably produce yourself. Favor native components and file systems over WYSIWYG editors - including visual page builders - or other heavy frameworks. Be mindful of the impact of third-party solutions.					
	Favor native compo- or other heavy frame Deliver static in place generation tool, the	onents and file systemeworks. Be mindfuce of dynamic contents favor the most effi	ms over WYSIWYG	editors - including vird-party solutions. E. If you choose to usuch as Static Site (y produce yourself. isual page builders se a code Generators (SSGs).	

	Pay particular attention to user interface components with respect to their sustainability impact.						
	Impact & Effort	Med	lium	Medium			
	GRI	Medium	Medium	Medium	Medium		
3.20	Use the latest stabl	e language version	e language version				
	Success Criterion						
	Use the latest build	of your chosen synt	tax language and its	coupled framework.			
	languages are opting tools to the problem	mized for the perform n can justify any time se, provided it does	nance of particular to e or effort involved in	sk. Many tools and pasks. Applying the manth their adoption, especieng of those involved	ost appropriate ecially if there is a		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
3.21	Take advantage of I	native features and f	unctionality				
	Success Criterion						
	Use native functions, APIs, and features over writing your own.						
	Impact & Effort	Med	lium	Lo	w		
	GRI	Medium	Medium	Medium	Medium		
3.22	Reduce the number	r and complexity of	database queries				
	Success Criterion						
	that is stored in a d code, the database	atabase, and you reason should only be accession.	quire it or it is likely tessed once and the	ed information. If you o be requested more data stored locally fo defer filtering to later	e than once in your or subsequent		
	Impact & Effort	Med	lium	Lo	w		
	GRI	Low	Low	Low	Low		
4.1	Choose a sustainat	ole service provider					
	Success Criterion						
	Monitor key indicators to assess and transparently report the environmental impact of hosting and identify overconsumption. These include energy and water usage, but also hardware factors, such as CPU usage and memory usage. Similarly, track the allocation of servers and CPU cores to optimize resource efficiency. Consumers should monitor and providers should both calculate and transparently share, environmental impact metrics. Metrics should include Power Usage Effectiveness (PUE), Water Usage Effectiveness (WUE), and Carbon Usage Effectiveness (CUE).						
		ring it has the necess		e. Use it efficiently at ew purchases should			
		e or upcycle unwant ise disposed of appr		should be recovered	and reused, where		

	Use electricity with the lowest possible carbon intensity. Examine location-based emissions factors to calculate the carbon intensity of available electricity from the regional grid. Include the impact of on-site electricity generation, including backup generators, in calculations.				
	other evolving instruction of the resources become	uments from the vol available. The qualit	emissions with high untary carbon marke y of market-based in ficient supporting evi	et, until additional ca estruments should be	rbon-free energy
	•		ed by registries and environmental issue	•	trants consider and
	Impact & Effort	Hi	gh	Med	dium
	GRI	Low	Low	Low	Low
4.2	Optimize caching w	vith offline access su	ipported	!	
	Success Criterion				
	lookups or API calls appropriate header possible to serve st	s. Configure caching s, such as Expires o	e to reduce processing via server settings to reache-Control. Care users. Support clirequests.	o control file-type ex che dynamic page re	opiration using esponses where
			accessible even if th eb Workers, and bro		_
	Impact & Effort	Hi	gh	Hi	gh
	GRI	Medium	High	Medium	High
4.3	Compress files whe	ere it is beneficial			
	Success Criterion				
	and tools can be us	sed to compress mo	file sizes before deli st commonly used fi ndwidth, and improvi	le types, reducing er	nergy consumption
	Use media compres before uploading to		e the file size of imag	ges, videos, audio, a	nd any other media
	Impact & Effort	Hi	gh	Lo	ow
	GRI	Low	Low	Low	Low
4.4	Setup necessary er	ror pages and redire	ection links		
	Success Criterion				
			pages to clearly infor maintain a consiste		
	redirects to guide u protect SEO value.	sers and search end Test all redirects to or the most efficient	I outdated links. Upon gines to the correct of ensure they function redirection system for	content to ensure effi as intended and avo	icient browsing and bid impactful
	Impact & Effort	Lo	DW .	Lo	DW .
	GRI	Low	Low	Low	Low

4.5	Avoid maintaining unnecessary virtualized environments or containers					
	Success Criterion					
				alized environments ronments and remov		
	Impact & Effort	Med	lium	Lc	ow .	
	GRI	Low	Low	Low	Low	
4.6	Use automation wis	sely				
	Success Criterion					
	_	-	oyment, testing, and delivery best practic	l compilation in align es.	ment with	
	Run automated tas	ks only when necess	sary to reduce unnec	cessary resource utili	sation.	
		location. Implement		ip or down based on ling to manage load		
	Restrict the activity of unwanted and unnecessary third-party crawlers, suspicious user agents, unwanted visitors, bots, and scrapers from accessing or downloading your content. Follow best practices, such as server access rules and security tools, while ensuring your content remains accessible to users, search engines and any helpful, welcome crawlers. Consider that scrapers may be used to inform and train large language models.					
	Impact & Effort High Medium					
	GRI	Low	Low	Low	Low	
4.7	Define the frequence	y of data refreshes				
	Success Criterion					
		-	uency for the cache, ta accuracy, and res	local data, and page ource efficiency.	e content based on	
	Impact & Effort	Med	lium	Lo	DW	
	GRI	Medium	Medium	Medium	Medium	
4.8	Back up critical dat	a at routine intervals	,			
	Success Criterion					
	·	•	ta are secure and ind st data loss or breac	cremental to minimize hes.	e storage use,	
	Impact & Effort	Lo	ow .	Lo	ow	
	GRI	Low	Low	Low	Low	
4.9	Consider the impac	t and requirements	of data processing			
	Success Criterion					
	scheduling according	ng to real-time electr		ods to automate batensity data or shift we performance.		

	Choose communication protocols appropriate to visitor needs and the type of data being transferred. Avoid insecure options such as HTTP and FTP, and prioritize secure, efficient alternatives such as HTTPS and SSH. Use modern protocols to take advantage of newer features, while maintaining backward compatibility for older devices.				
	changes that do no efficient alternative	t require full page re	freshes. Favor these ased on performanc	when building produ where they offer a n e, power, and proces vironmental impact.	nore energy-
	effects of client- ver		cessing based on eff	ssary, carefully compliciency, performance	
	Impact & Effort	Med	lium	Med	lium
	GRI	Low	Low	Low	Low
4.10	Use Content Delive	ry Networks (CDNs)	appropriately		
	Success Criterion				
	on a case-by-case		to be beneficial. Ca	s via a Content Deliv refully evaluate the e rovider.	
	Select CDN provide	ers that make commi	tments to sustainab	ility and report on the	eir progress.
		clusively local audie ders with servers clo		ner a CDN is required dience.	l at all. Instead,
	cache partitioning a caching and interact	and cross-origin resolution, and attempting	ource sharing (CORS) to override these ca	to a CDN. Browser b) can limit performan an introduce security e well suited to CDN	nce gains, hinder or privacy risks.
				tween the layers of a serialization overhead	
	Impact & Effort	Med	lium	Lo	ow
	GRI	Low	Medium	Low	Medium
4.11	Infrastructure decis	ions must meet busi	ness requirements		
	Success Criterion				
	Select infrastructure that meets your requirements and customer agreements without over-provisioning. Favor standalone instances over multi-zone or distributed setups when requirements allow. Provision for average loads rather than peaks to ensure efficient resource use. Use autoscaling to handle fluctuations without underutilizing infrastructure.				
	Impact & Effort	Med	lium	Med	lium
	GRI	Low	Low	Low	Low
4.12	Store data according	ng to the needs of yo	ur users		
	Success Criterion				
		and delete redundan orage demand and e		gle-use data - often	referred to as dark

	Assign expiration and/or maximum retention dates to stored data where appropriate, treating excess data as a form of technical debt. Simultaneously observe any applicable minimum data retention periods. Make data cleanup an established organization-wide routine to prevent long-term data accumulation.					
		lassification and tag loval of outdated or		ve visibility, simplify ı	management, and	
	Store data only whe	en it cannot be easily	or accurately reger	nerated.		
		tion and storage by sustair		during low-activity h	nours, rotating logs	
			for easy download ir int server resources.	n order to provide us	ers with regular	
	Impact & Effort	Lo	ow	Lo	DW .	
	GRI	Low	Low	Low	Low	
5.1	Have an ethical and	d sustainable produc	t strategy			
	Success Criterion					
	sustainability stater	nents, and/or other	documents that inclu	of ethics, product gude language specifi blicly accessible and	c to digital	
	Publish achievements, features, compliance, and anything beyond the scope of these guidelines within a dedicated sustainability section.					
			digital sustainability p nonitored, and gove	policies, climate polic rned over time.	cies, and related	
	Provide training dec sustainable product		to support onboardir	ng new team membe	ers in relation to	
				ocumentation, and cawareness among y		
	Demonstrate how o	ligital products and	services are powered	d using carbon-free	energy.	
	Impact & Effort	Hi	gh	Hi	gh	
	GRI	High	High	High	High	
5.2	Assign a sustainabi	lity advocate				
	Success Criterion					
	Assign a sustainability advocate with specific digital expertise and provide them with the resources, budget, tools, and time they need to achieve their stated goals. In some organizations, expanding this into a climate working group comprising motivated individuals can add further benefits.					
	Impact & Effort	Med	lium	Lo	ow .	
	GRI	Medium	Medium	Medium	Medium	
5.3	Inform, raise aware	ness, and train for s	ustainability			
	Success Criterion					

	Inform and deliver training to all affected parties, including product teams, colleagues, and organizational decision-makers - both managers and clients - in both general and digital climate literacy, as well as your own sustainable technology policies.					
	to sustainability. Th	is can be delivered a ongoing or on-demar	is in-house training,	pp, establish, and refuction courses, workshops aport your team in ac	, events, webinars,	
			•	ct. Share climate and gn, best practices, ar		
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
5.4	Communicate the e	environmental impac	t of user choices			
	Success Criterion					
	_	te the environmental pased on the informa	•	visitor choices and a	llow visitors to	
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
5.5	Estimate the enviro	nmental impact				
	Success Criterion					
	Conduct a full life-c	ycle analysis based	on the functional un	it defined under guic	leline 5.15.	
	Calculate the environmaking targets.	onmental impact of y	our or a competitor'	s current service to i	nform decision-	
	your pipeline. While		the emissions gene	rd-party solutions us rated in production,		
	Impact & Effort	Med	lium	Medium		
	GRI	Medium	Medium	Medium	Medium	
5.6	Define clear organiz	ational sustainability	goals and metrics			
	Success Criterion					
	be met, including w		etrics can be measu	ly communicate how ired to help the orga	•	
	Impact & Effort	Lo	w	Med	lium	
	GRI	Low	Low	Low	Low	
5.7	Validate efforts usin	g established third-p	party certifications			
	Success Criterion					
	Obtain one or more in alignment with the	•	cations and incorpor	rate operational polic	cies and practices	

	Maintains sustainability certifications through continuing to meet their criteria and evolving policies and practices over time.					
	Impact & Effort	Medium		Med	lium	
	GRI	Medium Medium		Medium	Medium	
5.8	Implement sustaina	bility onboarding gu	idelines			
	Success Criterion					
	sustainability policie	er dedicated training es and practices add or time, adapting ther	pted and how to im	plement them. Mana	age and maintain	
		nip, teams, and indiv include dedicating ti ner benefits.				
	Anticipate and map	potential negative e	external variables and	d act to minimize the	eir overall impact.	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
5.9	Support mandatory	disclosures and rep	orting			
	Success Criterion					
	Create and publish policies and practices to disclose the social and environmental impacts of its products, programs, and services in line with existing reporting standards such as GRI, SASB, etc.					
	Produce a publicly available impact report outlining progress compared to previous reports on social and environmental goals at least once per year.					
		arently demonstrate vironmental standar res and reporting.				
		v environmental impa vashing, data exclusi	•			
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
5.10	Create one or more	impact business mo	odels			
	Success Criterion					
	Complete and operationalize a theory of change process with requisite documentation to identify the impact the organization aspires to achieve, how it will generate revenue, how it will create shared or added value from these activities, and how it will measure results based on desired outcomes. In the case of projects already underway, how these are generating revenue and actively tracking and measuring progress against desired outcomes.					
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
5.11	Follow a product m	anagement and mail	ntenance Strategy			
	Success Criterion					

	Produce and maintain documentation to outline how the organization approaches product management and maintenance.					
	Establish maintenar	nce and security pla	ns for all digital prod	ucts and services.		
	address technical d	lebt, introduce new p	product features, tes	oudgeting to support at functionality, and p rs, visitors, and other	roduce product or	
	Incorporate carbon improvement over t		urement into mainter	nance programs and	show measurable	
	Identify and docum sustainability impac		ators (KFIs) and imp	lement resolutions to	prevent negative	
	Impact & Effort	Hiệ	gh	Lo	w	
	GRI	High	High	High	High	
5.12	Implement continuo	ous improvement pro	ocedures			
	Success Criterion					
	•	nd practices to enab oport these efforts o	•	vement and resource	e practices	
				t teams have enough ality output as well as		
	product or service. experimentation, su limited to strictly ne	Simultaneously addi	ress any potential co t, product performar t aid decision-makir	processes to analyzonsequences of ongonee, and emissions. And emissions on the process of the pr	oing Analytics are	
	decommissioning of		sed functionality or lo	reation of new function reation of new function reactions.	_	
		security and policy u shed from more exte		oduct or service life pdates.	cycle. These	
				opriate training tech manage and mainta		
	Impact & Effort	Hi	gh	Hiç	gh	
	GRI	High	High	High	High	
5.13	Document future up	odates and evolution	S			
	Success Criterion					
		-		iser experience, clea versioned documen		
	Impact & Effort	Lo	w	Lo	W	
	GRI	Low	Low	Low	Low	
5.14	Establish if a digital	product or service is	s necessary			

	Success Criterion						
	Identify where the pwithin a sustainabil		gns with one of the	U.N. (SDGs) and its a	appropriate targets		
	Determine that the factors.	product or service is	necessary based up	oon desirability, feas	ibility, and viability		
		kisting digital produc rket for this requirem		e same value. Condu	uct an analysis to		
	Remove or alleviate technical, or territor	•	sing a product or ser	vice, such as access	sibility, equality,		
	Impact & Effort	Hi	gh	Lo)W		
	GRI	High	High	High	High		
5.15	Conduct a full life-o	cycle assessment					
	Success Criterion						
	Conduct a life-cycle throughout a produ	, , ,	to define sustainabil	ity-related functional	impacts		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
5.16	Provide a supplier s	standards of practice	e document				
	Success Criterion						
	Create specific poli principles.	cies to vet potential	partners along the s	upply chain based o	n sustainability		
	Partner with supplie	ers to create, track a	nd measure impact	on issues that impac	t affected parties.		
		ese partnerships in a a collective impact.		ace, along with infor	mation on how the		
	Impact & Effort	Hi	gh	Hi	gh		
	GRI	High	High	High	High		
5.17	Share economic be	enefits					
	Success Criterion						
	Publicly commit to paying employees, contractors, and other affected parties a living wage.						
	Have policies and practices to incentivize affected parties, such as workers and contractors, to meet impact goals.						
		employees in accord, flex time, profit sha		s, including, where re	elevant, healthcare,		
	-	nsible legislation tha ed to sharing econor		ent rights, transpare	ncy, and		
	Impact & Effort	Hi	gh	Hi	gh		
	GRI	High	High	High	High		

5.18	Share decision-making power with affected parties					
	Success Criterion					
		•		and affected parties sey decisions on the	•	
	Impact & Effort	Lo	ow	Hiç	gh	
	GRI	Low	Low	Low	Low	
5.19	Use Justice, Equity	, Diversity, Inclusion	(JEDI) practices			
	Success Criterion					
		nents to JEDI praction unities are prioritized		es on how marginalize	ed or otherwise	
	Establish a publicly products or service		lity policy and demo	nstrate this via acces	ssible digital	
	manifests itself in d		services, covering to	r workshops related ^s pics such as algorith		
	Show measurable in	mprovement over tin	ne across hiring, lead	dership, and operation	ons.	
	Advocate for responsible products and service		ating to JEDI practice	es, especially as they	relate to digital	
	Impact & Effort	Hiệ	gh	Hiç	gh	
	GRI	High	High	High	High	
5.20	Promote responsible	e data practices				
	Success Criterion					
	required by law in the restrictive data protogranization's cound language to ensure and legalese. Supp	he jurisdictions in whection regulations, entry. Provide docume comprehension by a	nich the product or s especially when provents in accessible for all visitors. Avoid unrion and implement b	nditions, and any other ervice operates. Adhiding services outsid mats and use clear, recessary jargon, techest practices related	ere to the most e the user-friendly chnical language,	
	Demonstrate measurable progress over time in regard to respecting data privacy and ownership. Specify how data disposal and a visitor's "right to be forgotten" will be handled, along with ownership rights. Also, provide the ability to download or export data they have contributed into a non-proprietary format.					
	Impact & Effort High Medium					
	GRI	High	High	High	High	
5.21	Implement appropr	iate data manageme	ent procedures			
	Success Criterion					
	expiration dates an	d scheduled product	t audits. Publish the	ontent and data via a archiving schedule, and the for those that ma	ensuring a	

	Allow users to cont	rol, manage, and delete their data, subscriptions, and accounts.			
	Impact & Effort	Lo	W	High	
	GRI	Low	Low	Low	Low
5.22	Promote and imple	ment responsible em	erging technology p	practices	
	Success Criterion				
		lly sourced, screened		Ensure all such techr plemented in a non-c	
	Show how workers organisations busin		echnologies and pra	actices potentially dis	srupt an
	Support and compl	y with responsible le	gislation related to e	emerging technologie	es
	technologies wishir expense in terms of	ng to be promoted or	implemented. This of using the techno	t may derive from th should include third- logy to create a desi	party choices, the
	machine-assisted of Providers must dec	lata gathering abides	by requests to opt on-human within the	ial intelligence, and o out at the host, serve e user-agent/HTTP h activities.	er, or website level.
	against harvest nov	v, decrypt later attac nputers will be powe	ks, where attackers	rices that do not nee steal encrypted data the encryption and	, anticipating that
	Impact & Effort	Hiç	gh	Med	lium
	GRI	High	High	High	High
5.23	Include responsible	financial policies			
	Success Criterion				
	Divest from fossil fu partners.	uels and move bankir	ng, sponsorship, and	d other affiliations to	more responsible
	Engage in flexible fi maintenance.	nancing and respons	sible budgeting to a	ccommodate long-te	erm care and
	Impact & Effort	Hiç	gh	Hig	gh
	GRI	High	High	High	High
5.24	Include organization	nal philanthropy polic	cies		
	Success Criterion				
	Establish a clear coaligned organization		and create philanth	ropic partnerships w	vith strategically
		olunteer projects to herofit organizations to	•	v tools and tactics, w	hile also helping
	Impact & Effort	Hiç	gh	Med	lium

	GRI	High	High	High	High			
5.25	Plan for a digital product or service's care and end-of-life							
	Success Criterion							
	Provide clear, documented end-of-life guidelines that include data disposal, archiving, file deletion, and other relevant guidance.							
	Impact & Effort	Medium		Medium				
	GRI	Medium	Medium	Medium	Medium			
5.26	Include e-waste, right to repair, and recycling policies							
	Success Criterion							
	Establish specific policies around e-waste recycling and repair owned technology products whenever possible.							
	Form relationships with local partners for e-waste recycling and repair.							
	Buy refurbished equipment whenever possible.							
	Allow consumers to repair the consumables they purchase to the best of their ability, offering replacement components if possible at cost, and provide clear instructions to help resolve faults that occur.							
	Impact & Effort	High Medium			lium			
	GRI	High	High	High	High			
5.27	Define performance and environmental budgets							
	Success Criterion							
	Define and document clear sustainability budget criteria that covers impact from creation to consumption. Communicate this to affected parties.							
	Use a performance budget to set a target maximum size of your digital product or service to monitor and reduce impact of data transfer, file type size, and more.							
	Define KPIs around engineering hours, development time, or sprints while keeping the health and well-being of your workers paramount. Sustainably optimize workflows to allow all tasks to be performed with care.							
	Establish a baseline and measurement criteria to track improvements over time. Improvement claims must be evidenced and verifiable.							
	Invest in resources to build capacity and maintain budgets over time.							
	Impact & Effort	Medium		Medium				
	GRI	Medium	Medium	Medium	Medium			
5.28	Use open source where possible							
	Success Criterion							
	Establish a clear open source policy that outlines how open-source tools are used and any practices used to support open-source development.							
	Show a track record of collaboration and building communities around open-source principles.							

	Contribute regularly in terms of code, human-time, and/or financially, to open-source community-based projects.							
	Impact & Effort	High		High				
	GRI	Medium	Medium	Medium	Medium			
5.29	Create a business continuity and disaster recovery plan							
	Success Criterion							
	Create, regularly review, and occasionally test a plan of action to determine readiness in case of an incident and establish procedures to quickly recover from any incident.							
	Maintain regular and transparent communication with the audience regarding issues that may affect service delivery or user data.							
	Impact & Effort	Low		Medium				
	GRI	Low	Low	Low	Low			