## Web Sustainability Guidelines

## Summary Table & Checklist

2.1	Undertake Systemic Impacts Mapping					
	Success Criterion					
		nal variables affecting g where your produc				
	Impact & Effort	Med	ium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.2	Assess and Resear	ch Visitor Needs				
	Success Criterion					
	quantitative or qual	dary target visitors ar itative research, test n a close part of the	ing, or analytics, ens	suring your visitors a		
		nstraints like the devi ted for when designi			ser, and connection	
		arched and identified version of the produ				
	Barriers to access (user-research with	pain points or dark /visitors for removal.	deceptive design pa	atterns) have been ic	lentified in the	
		luding your visitors hen undertaking rese				
	Impact & Effort	Med	ium	Hi	gh	
	GRI	Medium	Medium	Medium	Medium	
2.3	Research Non-Visit	or's Needs				
	Success Criterion					
	passively impacted	s been established for by a digital product ies, etc. Research th	or service, such as i	neighbors accepting	parcels, traffic	
	Impact & Effort	Med	ium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.4	Consider Sustainab	ility in Early Ideation				
	Success Criterion					
		pid prototyping are u urces needed to buil		ild consensus, reduc	e risk, and lower	

	conducting user-tes	are involved within the iteration and design process using participatory design, and when cting user-testing reach out to your community to help improve your product by allowing apply their knowledge and experience to your product or service.				
	Impact & Effort	Lo	ow	Lc	)W	
	GRI	Low	Low	Low	Low	
2.5	Account for Stakeh	older Issues	older Issues			
	Success Criterion					
	All stakeholders have brainstorming process.		using a human-cent	ered approach durin	g the	
	the brainstorming p		undaries of a project lude creating non-us es and sprints.			
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.6	Create a Lightweigh	nt Experience by Def	fault			
	Success Criterion					
	efficient and as sim	ple as possible (time	ne initial contact with e required to comple nat's required at the	te an action displaye	ed, reducing too	
			ccessed website or s Iding on established			
	Visitors can comple	ete tasks without dis	tractions or non-esse	ential features gettin	g in the way.	
	Visitors see only inf being displayed on		vant to their experier	nce, without non-ess	sential information	
	Ensure that actiona visitor.	ble information such	n as pop-up or moda	ıl windows can only	be initiated by the	
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.7	Avoid Unnecessary	or an Overabundan	ce of Assets			
	<b>Success Criterion</b>					
	Decorative design is used only when it improves the user-experience, and unnecessary assets or ones that fail to benefit the visitor or sustainability are removed (or rendered optional and disabled by default).					
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
2.8	Ensure Navigation a	and Way-Finding Are	e Well-Structured			
	Success Criterion					

	Provide an accessible, easy-to-use navigation menu with search features that help visitors easily find what they need.						
		ent (human-readable es better index webs					
	Implement a way fo	or visitors to find out	about new content a	and services.			
	Impact & Effort	Lo	)W	Lo	)W		
	GRI	Medium Low Medium Low					
2.9	Respect the Visitor	s Attention					
	Success Criterion						
	The visitor can easi and respect with th	ly control how (and versitor.	when) they receive in	formation to both im	nprove attention		
		distract people or un nave a higher priority		n the time they spen	d using the		
	Avoid using infinite	scroll or related atte	ntion-keeping tactics	S.			
	Impact & Effort	Med	lium	Lo	)W		
	GRI	Medium	Medium	Medium	Medium		
2.10	Use Recognized Design Patterns						
	Success Criterion						
	Provide only essential components visible at the time they are needed. Where appropriate, interfaces should deploy visual styles (patterns) that are easily recognized and used.						
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	Medium	Low	Medium	Low		
2.11	Avoid Manipulative	Patterns					
	<b>Success Criterion</b>						
	techniques, which r	nmonly known as da manipulate visitors ir , requiring an accour	nto taking actions no				
		d sponsorships are b nting them when the experience.					
	Remove unused an	d unconsented page	e tracking.				
	Optimization for search engines, social networks, and third-party services are organically led with good coding practices with user-experience the focus, not manipulating the services to gain greater priority through obfuscating content, pages, websites, or applications with redundancy or non-useful and optimized (to the visitor) material.						
	Impact & Effort	Hi	gh	Med	lium		
	GRI	Low	Low	Low	Low		

	Success Criterion					
		tput, including docu bw it to be reused in		upstream of the pro	ject and produced	
		and technical speci the project team and		ented so that deliver development team.	ables are	
	the burden to acces		ntain, and utilize prod	Source affordances duction-ready code a		
	Impact & Effort	Med	lium	Hi	gh	
	GRI	Medium	Medium	Medium	Medium	
2.13	Use a Design Syste	m To Prioritize Interf	ace Consistency			
	Success Criterion					
	• .	employed based on ts and provide a co		recognizable patterr for visitors.	ns to mutualize	
	Impact & Effort	Lo	w	Med	lium	
	GRI	Medium	Low	Medium	Low	
2.14	Write With Purpose	, in an Accessible, E	asy To Understand F	ormat		
	Success Criterion					
				livered at an easy-to on inclusions as requ		
		d to support how pe adings, bulleted lists		cluding a clear docur o on.	nent structure,	
	SEO has been prior lifecycle to improve		design stages and t	hroughout a product	or service's	
	Impact & Effort	Lo	<b>W</b>	Lo	w	
	GRI	Medium	Low	Medium	Low	
2.15	Take a More Sustai	nable Approach to Ir	nage Assets	,		
	Success Criterion					
	The need for image implementation.	s has been determin	ed considering the o	quantity, format, and	size necessary for	
	Resize, optimize, ar image) for different		nage (outside the bro	owser), offering diffe	rent sizes (for each	
	Provide Lazy Loadi	ng to ensure image a	assets only load whe	en they are required.		
	Let the visitor selec	t the display size, ar	d provide the option	n to deactivate image	es.	
		nagement and use p sion and file formats.		overall impact of imag	ges, with criteria	
	Impact & Effort	Hi	gh	Lo	w	

	GRI	High	High	High	High		
2.16	Take a More Sustai	nable Approach to N	Media Assets				
	Success Criterion						
	The need for video or sound (when it adds visitor value, for example, to enhance accessibility) has been determined, and non-informative media (background media), including autoplaying functionality, has been banned or removed.						
	Compress the media according to the visitor's requirements, select the appropriate format, ensure it works across browsers, and avoid embedded player plugins.						
		g a lot of data to be on the contract of the c					
	Let the visitor control media deactivation, giving a choice of resolutions; all while providing alternative resolutions and formats. Also increase visitor awareness by informing them of the length, format, and weight of the media.						
	•	nagement and use pompression and file	•	overall impact of aud	io and video, with		
	Impact & Effort	Hi	gh	Med	dium		
	GRI	High	High	High	High		
2.17	Take a More Sustai	nable Approach to A	nimation				
	Success Criterion						
	Use animation only when it adds value to a visitor's experience, and not for decorative elements.						
	Progressively display an appropriate quantity of animation so as not to overburden the visitor or diminish expected device behavior.						
	Allow visitors to sta	ert, stop, pause, or o	therwise control anir	nated content.			
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	High	High	High	High		
2.18	Take a More Sustai	nable Approach to T	ypefaces				
	Success Criterion						
	Use standard syste	m-level (web-safe /	pre-installed) fonts a	s much as possible.			
		s, and the variants wing the most perform	• • • • • • • • • • • • • • • • • • • •	•	racters) are limited		
	Impact & Effort	Med	lium	Lo	ow .		
	GRI	Medium	Medium	Medium	Medium		
2.19	Provide Suitable Al	ternatives to Web As	ssets				
	Success Criterion						
	All proprietary file for availability.	ormats (such as PDF	are offered in HTM	L for accessibility ar	nd to ensure future		
	All custom typeface system font as a ba	es (using font-display ackup.	y) are subsetted and	offered as part of a	font stack with a		

	All images provide meaningful alternative text for screen reader users (or when images fail to load) accessibility.					
	Audio provides text	transcripts of conve	ersations as an alterr	native to playing the	media.	
	•	transcripts (at minined captions and sign	, ,	g WebVTT), and for a	accessibility best	
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
2.20	Provide Accessible	, Usable, Minimal We	eb Forms			
	Success Criterion					
	Remove unnecessary forms and reduce form content to the bare minimum necessary to meet the visitor's needs and the organization's business goals. Clearly communicate why a form is necessary, what its value proposition is, how many steps it will take to complete, and what an organization will do with collected data (informed consent).					
				elpful (to conserve ba f helpful tooling such		
	Impact & Effort	Lo	ow	Lo	ow	
	GRI	Medium	Low	Medium	Low	
2.21	Support Non-Graph	nic Ways To Interact	With Content			
	Success Criterion					
	Support speech broalternatives to a vis		n-graphical ways to	interact with content	that provide	
	Impact & Effort	Lo	ow	Med	lium	
	GRI	Medium	Low	Medium	Low	
2.22	Provide Useful Noti	fications To Improve	the Visitor's Journey	/		
	<b>Success Criterion</b>					
		is strictly necessary.		icing the practice of (such as alerts for n		
		nces, and the option		browser, SMS, or by out, and close an acc	•	
			nput through helpful nelp manage their ex	prompts and messa pectations.	ges that explain	
	Impact & Effort	Lo	)W	Lo	ow .	
	GRI	Medium	Low	Medium	Low	
2.23	Reduce the Impact	of Downloadable or	Physical Documents	5		
	Success Criterion					

	If the production of paper documents is essential, it should be designed to limit its impact to the lowest possible. Create a CSS Print stylesheet and test it with different types of content. Ensure PDF printing is encouraged over paper-based storage.					
	Provide all downloa accessible file formation		a state of being opt	imized, compressed	, and in a variety of	
		ely to be re-used, ge main) rather than for		t once on the server- duplicated.	-side (preferably	
	choice if possible of Furthermore, be sur	f both the format, an	d the language (if nongether the document with	e, and the format, alloot the same as the whin Web pages (prov	eb page).	
	Impact & Effort	Med	lium	Lo	W	
	GRI	Medium	Low	Medium	Low	
2.24	Create a Stakeholde	er-Focused Testing &	& Prototyping Policy			
	Success Criterion					
	and user-interface of	components when apding people with slow	oplicable with real us	e and test new featur sers who represent v lisabilities, with diffic	arious stakeholder	
	The organization haviability.	s appropriately reso	urced these process	ses to support its lon	g-term product	
	The organization ha	s training materials t	to onboard new prod	duct team members	to these practices.	
		gularly conducts exter re meeting both busi		ser interviews to vali or needs.	date whether the	
	Impact & Effort	Hig	gh	Med	ium	
	GRI	High	High	High	High	
2.25	Conduct Regular A	udits, Regression, ar	nd Non-Regression 1	Tests		
	<b>Success Criterion</b>					
	accessibility or secu		been accounted for	ues hav been identifi at either monthly or o		
	Non-regression test	s are implemented f	or all important func	tionality.		
	Regression testing has been incorporated into each release cycle to ensure that new features don't introduce bugs or otherwise conflict with existing software functionality.					
	Impact & Effort	Med	lium	Med	ium	
	GRI	Medium	Medium	Medium	Medium	
2.26	Incorporate Perform	nance Testing Into Ea	ach Major Release-C	Cycle		
	Success Criterion					

	The performance of a website or application, to identify and resolve bottlenecks or issues in the underlying code or infrastructure which could ultimately impact the sustainability of a website or application, are regularly measured with each release-cycle (using tooling or through research and auditing).					
	ensure strict adhere	to provide a streamli ence, and comply wit rotection Regulation	th relevant accessibi	ility policies and priv	•	
	Impact & Effort	Med	ium	Lo	ow	
	GRI	Medium	Medium Medium Medium Medium			
2.27	Incorporate Value T	esting Into Each Maj	or Release-Cycle			
	Success Criterion					
		doption, and churn ra ed into future release		f product or service	features and their	
	Impact & Effort	Med	ium	Lo	ow .	
	GRI	Medium	Medium	Medium	Medium	
2.28	Incorporate Usabilit	ty Testing Into Each I	Minor Release-Cycle	9		
	Success Criterion					
	Usability testing has routinely measured	s been incorporated for future releases.	into product cycles	and the impact of th	ese tests is	
	Impact & Effort	t Medium Medium				
	GRI	Medium	Medium	Medium	Medium	
2.29	Incorporate Compa	atibility Testing Into E	ach Release-Cycle			
	Success Criterion					
	A compatibility policy with obsolete devices and software versions, listing the supported devices brands, operating systems, and browsers (including versions) has been established.					
	brands, operating s	systems, and browse	rs (including version	s) has been establis		
	Planned obsolescer for as long as possi	systems, and browse nce in software upda ible and clearly comr gnificantly reduce pe	ates is routinely avoid	ded, striving to main an update is evolution	hed. tain compatibility onary (large	
	Planned obsolesce for as long as possi updates that can si improve security).  The product or serv	nce in software upda ible and clearly comr	ates is routinely avoid municating whether erformance) or correct ith weak, unstable, a	ded, striving to main an update is evolution ctive (smaller update	tain compatibility onary (large es that fix bugs or	
	Planned obsolescer for as long as possi updates that can si improve security).  The product or servand devices older to be producted and the devices of the	nce in software upda ible and clearly comr gnificantly reduce pe vice regularly tests w	ates is routinely avoid municating whether a erformance) or correct ith weak, unstable, a ure compatibility ponsive design) are	ded, striving to main an update is evolution ctive (smaller update and slow connection utilized and interface	tain compatibility onary (large es that fix bugs or s, old browsers,	
	Planned obsolesces for as long as possi updates that can si improve security).  The product or servand devices older to ensure progressi  A PWA has been either to ensure progressi	nce in software updatible and clearly comrignificantly reduce period regularly tests whan five years to ensinethods (such as res	ates is routinely avoid municating whether erformance) or correct ith weak, unstable, a ure compatibility ponsive design) are ntent prioritization, a ed based on whether	ded, striving to main an update is evolution ctive (smaller update and slow connection utilized and interface and improved access	tain compatibility onary (large es that fix bugs or s, old browsers, es are prototyped sibility.	
	Planned obsolesces for as long as possi updates that can si improve security).  The product or servand devices older to ensure progressi  A PWA has been either to ensure progressi	nce in software updatible and clearly comrignificantly reduce period regularly tests whan five years to ensinethods (such as resident ve enhancement, conther chosen or reject	ates is routinely avoid municating whether erformance) or correct ith weak, unstable, a ure compatibility ponsive design) are ntent prioritization, a red based on whether tion.	ded, striving to main an update is evolution ctive (smaller update and slow connection utilized and interface and improved access	tain compatibility onary (large es that fix bugs or s, old browsers, es are prototyped sibility.	
	Planned obsolesce for as long as possi updates that can si improve security).  The product or servand devices older to ensure progressi  A PWA has been eicompatible over a recompatible o	nce in software updatible and clearly common gnificantly reduce per vice regularly tests whan five years to ensure the chosen or reject that it is not to be applicative mobile application.	ates is routinely avoid municating whether erformance) or correct ith weak, unstable, a ure compatibility ponsive design) are ntent prioritization, a red based on whether tion.	ded, striving to main an update is evolution at the connection and slow connection utilized and interface and improved access or it be more sustaination	tain compatibility onary (large es that fix bugs or s, old browsers, es are prototyped sibility.	
3.1	Planned obsolesces for as long as possi updates that can si improve security).  The product or servand devices older to Device-adaptable into ensure progressi A PWA has been eicompatible over a rulimpact & Effort	nce in software updatible and clearly comregnificantly reduce pervice regularly tests whan five years to ensure thods (such as respectative mobile application).  High	ates is routinely avoid municating whether erformance) or correct ith weak, unstable, a ure compatibility ponsive design) are natent prioritization, a red based on whether tion.	ded, striving to main an update is evolution at the connection and slow connection utilized and interface and improved access or it be more sustainated.	tain compatibility onary (large es that fix bugs or s, old browsers, es are prototyped sibility.	

	Explicit goals that impact the environment and performance of the service, for example, HTTP requests, or the amount of DOM elements that need to be rendered are both set and met.					
	Because the payload being delivered may not always be equal in terms of energy intensity, operators of websites and applications must ensure that consideration is given for the energy intensity (or unit being evaluated) of each component. For example, non-rendering text is less computational than CSS, which in turn is less process-heavy than JavaScript, which is less resource-heavy than WebGL.					
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.2	Minify Your HTML,	CSS, and JavaScript	t			
	Success Criterion					
	All source code is r	ninified upon compil	ation (including inline	e code).		
	Impact & Effort	Lo	<b>DW</b>	Lo	<b>DW</b>	
	GRI	Low	Low	Low	Low	
3.3	Use Code-Splitting	Within Projects				
	Success Criterion					
	Breakdown bandwidth-heavy components into segments that can be loaded as required.					
	Impact & Effort	Med	lium	Low		
	GRI	Medium	Medium	Medium	Medium	
3.4	Apply Tree Shaking	To Code				
	Success Criterion					
	Identify and elimina	te unused and dead	code within CSS an	nd JavaScript.		
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.5	Ensure Your Solution	ons Are Accessible				
	Success Criterion					
	Your website or application must conform to WCAG (at the necessary level), plus extend beyond to obey relevant laws and meet additional visitor accessibility requirements. Building inclusively means that people with permanent, temporary, or situational disabilities will be able to more quickly find what they are looking for, and not have to spend extra time searching for a way to use your product or service.					
				nternet Applications es when useful or be		
	Deploy solutions th	at fight against elect	ronic inequalities in	products and service	es.	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.6	Avoid Code Duplica	ation				

	Success Criterion				
		, ,	or performance) your duct (and codebase)	code to focus on es	sential features
				redeveloping and reduce visitor learning be	
		/aScript, use methode ement and output of		and systems like DR\	and WET to
	Impact & Effort	Med	lium	Med	lium
	GRI	Medium	Medium	Medium	Medium
3.7	Rigorously Assess	Third-Party Services			
	Success Criterion				
	as early in the ideat	ion or creation proce	ess as possible and	es, carousels, etc) ha as few of them are u acluding Scope 3 em	sed as possible to
	behind a click-to-lo		ng the "import on in	s, carousels, etc) sho teraction" pattern), w	
		and JavaScript fram		used if a more perfo	rmant alternative
	Self-hosted conten	t has been prioritized	d over embedded co	ontent from third-part	y services.
	Your own clickable icons and widgets have been created, rather than relying on third-party services to host or allow embedding within your product or service.				
	that cannot be cont provide benefits to creating the produc with cookies, webs	trolled or managed be a website, the need of or service but also ites or applications of ures (with explanatio	by the first-party proving to justify their inclusing be able to be controlled a similar	e often a source of so vider of a service. What ion must be made no olled by the consume mechanism of disab unless such feature	nile many do ot only by those er. As showcased oling or refusing
	Impact & Effort	Hi	gh	Med	lium
	GRI	High	High	High	High
3.8	Optimize Use of HT	ML Elements			
	Success Criterion				
	Content must be ad	ccurately marked up	according to the rele	evant standard(s).	
	negatively impact for	unctionality, accessil	bility, or readability. F	attributes only when Retain them when the formance), or ensure	ey enhance
	Avoid using non-sta	andard elements or a	attributes.		
	Components if you		HTML elements or i	use custom elements if you need tightly re	

	Impact & Effort	Med	lium	Medium		
	GRI	Medium	Medium	Medium	Medium	
3.9	Resolve Render Blo	ocking Content				
	Success Criterion					
	All external assets I Content (FOUC).	nave been deferred o	or set to async (unles	ss required) to avoid	Flash Of Unstyled	
	If external resource	s are required on loa	d, their priorities (de	livery route) are set o	correctly.	
	Impact & Effort	Med	lium	Lo	<b>w</b>	
	GRI	Medium	Medium	Medium	Medium	
3.10	Provide Code-Base	ed Way-Finding Mecl	nanisms			
	Success Criterion					
	Metadata and micro	odata for search eng	ines and social med	ia have been optimiz	zed.	
	Search engines are	not obstructed, whi	le ill-intentioned robo	ots and scripts are b	locked.	
	Accessibility and usability aids are provided to find content, such as skip links and signposts.					
	Impact & Effort	Lo	<b>w</b>	Lo	<b>w</b>	
	GRI	Low	Low	Low	Low	
3.11	Validate Form Error	s and External Input				
	Success Criterion					
	Errors are identified	through live validati	on as well as upon s	submission.		
		are clearly identified assistants), and opti	•		s such as screen	
	Always allow the pa	asting of content (inc	luding passwords) fr	rom external sources	S.	
	Impact & Effort	Med	lium	Lo	)W	
	GRI	Medium	Medium	Medium	Medium	
3.12	Use Metadata Corr	ectly				
	<b>Success Criterion</b>					
	Include the required	d title element, plus a	any optional HTML h	ead elements (such	as link).	
	Include necessary meta tag references that search engines and social networks recognize, using a recognized name scheme such as Dublin Core Metadata Initiative (DCMI), Friend Of A Friend (FOAF), or RDFa.					
	Embed Microdata,	Structured Data (Sch	nema), or Microforma	ats within your pages	S.	
	Impact & Effort	Med	lium	Lo	<b>w</b>	
	GRI	Medium	Medium	Medium	Medium	
3.13	Adapt to User Prefe	erences				

	Success Criterion					
	Apply the monochrome, prefers-contrast, prefers-color-scheme, prefers-reduced-data, prefers-reduced-transparency, and prefers-reduced-motion CSS preference queries if they will benefit your website or application. Use the print & scripting CSS media queries if they will improve the sustainability of your website.					
	Impact & Effort	Med	lium	Lo	ow	
	GRI	Medium	Medium	Medium	Medium	
3.14	Develop a Device-A	daptable Layout				
	Success Criterion					
	Allow a website or app to work and adapt seamlessly across a variety of devices and screen sizes, including mobile, desktop, smart TVs, and other emerging platforms. Ensures that content and functionality are accessible and optimized on both smaller mobile screens and larger displays without limiting accessibility, usability or design on any specific device type. It is essential to implement robust fallback strategies to ensure that the website or application will not fail if it encounters unsupported technologies.					
	_			used, such as Adapt erall sustainability th	_	
	To maximize the use of renewable energy, adapt your website or service to electricity availability using carbon-aware design techniques. This should include using situational design to reduce the codebase disable non-essential functionality during high-intensity periods or adapting the user-interface to perform better in situations where scaling hardware resources can be avoided to reduce emissions. It can also include designing algorithms that can auto-disable features based on set thresholds.					
				(speech), code (QR, atch, appliance, trans	•	
	Impact & Effort	Med	lium	Lo	ow	
	GRI	Medium	Low	Medium	Low	
3.15	Use Beneficial Java	Script and Its APIs				
	<b>Success Criterion</b>					
	Improve sustainabil	ity through accessib	le and performant c	ode implementations	S.	
				us, Compression Stre by of your website or		
	When using an API, unrequired data is s		call it when necess	ary. On the other sid	e, make sure no	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
3.16	Ensure Your Scripts	Are Secure				
	Success Criterion					
	Check the code for	vulnerabilities, explo	oits, header issues, a	and code injection.		
	Impact & Effort	Med	lium	Med	lium	

	GRI	Medium	Medium	Medium	Medium	
3.17	Manage Dependen	cies Appropriately				
	<b>Success Criterion</b>					
	when they are not r		and installing JavaSo for unused depende package.json file.			
	Only use libraries where necessary as this will reduce the amount of JavaScript that has to be downloaded and parsed by the browser. Consider whether you can use a native JavaScript API instead. Check the package size, and whether individual modules can be installed and imported rather than the whole library.					
	Regularly check dependencies and keep them up-to-date.					
	Impact & Effort	Med	lium	Lo	)W	
	GRI	Low	Low	Low	Low	
3.18	Include Expected a	nd Beneficial Files				
	Success Criterion					
		nally, ensure that an	nsearch.xml, site.web y such files defined			
			carbon.txt, humans. standards or specif	-	-	
	Impact & Effort	Lo	ow	Lo	)W	
	GRI	Low	Low	Low	Low	
3.19	Avoid Using Depred	cated, Proprietary, or	Outdated Code			
	Success Criterion					
	up-to-date, widely may be used to me	recognized standard et a documented cu	y, or outdated forma s that offer equivale stomer need only if t y, accessibility, or em	nt or improved funct there is a justifable b	ionality. Such code	
	Impact & Effort	Lo	ow	Med	lium	
	GRI	Low	Low	Low	Low	
3.20	Align Technical Rec	uirements With Sust	tainability Goals			
	Success Criterion					
	simpler technologic footprint. A prebuilt	al implementation m solution may use m	choose the implement ore system resource or build-time (emittin	resources but could es (and thereby prode	l have a smaller uce more	
	solution is actively therefore, use nativ	maintained, it may b	s the best-performin e better optimized th file systems to a WY arty solutions.	nan what you could p	oroduce).	

	If choosing a code generation tool, use a Static Site Generator in preference to a bulky content management system. Because SSGs often start using a minimalist content entry format (like markdown) and all of the compilation is done before the website is uploaded, the emissions benefit comes from the server not having to place as much effort into serving pages (as they are static) for each visitor. In the case of a CMS, the dynamic nature of a site will involve additional computation (server-side processing) and bulkier libraries.  Plugins, extensions, and themes have been carefully reviewed and selected to maximize					
	Plugins, extensions, and themes have been carefully reviewed and selected to maximize interoperability, accessibility, and performance. They are regularly audited over time to ensure continued compatibility.					
	All the components of the user-interface are the subject of special attention in terms of its sustainability impact while respecting accessibility and the performance of such components.					
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.21	Use the Latest Stab	le Language Versior	1			
	Success Criterion					
	Use the latest build	of your chosen synt	ax language and its	coupled framework.		
	languages are opting the problem, espec	nized for performing ially if there is a reas	particular tasks, and onable visitor base i	. Many tools and productilizing those mos nvolved justifies the g of those involved o	t appropriate to time and effort, as	
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
3.22	Take Advantage of	Native Features				
3.22	Take Advantage of Success Criterion	Native Features				
3.22	Success Criterion	Native Features s, APIs, and features	s over writing your o	wn.		
3.22	Success Criterion			wn. Lo	ow.	
3.22	Success Criterion Use native functions	s, APIs, and features			ow Medium	
3.22	Success Criterion Use native functions Impact & Effort GRI	s, APIs, and features Med	lium Medium	Lo		
	Success Criterion Use native functions Impact & Effort GRI	s, APIs, and features Med Medium	lium Medium	Lo		
	Success Criterion Use native functions Impact & Effort GRI Run Fewer, Simpler Success Criterion If you need informat requested) more that	Medium  Medium  Queries As Possible tion that is stored in an once in your code cessing. Also, avoid	Medium  Medium  a database, and you a, access the databa	Lo	Medium  ely to be core the data locally	
	Success Criterion Use native functions Impact & Effort GRI Run Fewer, Simpler Success Criterion If you need informat requested) more that for subsequent products	Medium  Medium  Queries As Possible tion that is stored in an once in your code cessing. Also, avoid	Medium  Medium  a database, and you a, access the databa reliance on framewo	Medium  u require it (or it's like use only once, and st	Medium  ely to be core the data locally t defer filtering to	
	Success Criterion Use native functions Impact & Effort GRI Run Fewer, Simpler Success Criterion If you need informat requested) more that for subsequent process later on in the process	Medium  Medium  Queries As Possible  tion that is stored in an once in your code cessing. Also, avoid ess.	Medium  Medium  a database, and you a, access the databa reliance on framewo	Medium  u require it (or it's like use only once, and stork helpers that migh	Medium  ely to be core the data locally t defer filtering to	
	Success Criterion Use native functions Impact & Effort GRI Run Fewer, Simpler Success Criterion If you need informat requested) more that for subsequent proclater on in the process Impact & Effort GRI	Medium  Queries As Possible  tion that is stored in an once in your code cessing. Also, avoid ess.  Medium	Medium  Medium  a database, and you a, access the database reliance on framewo	Medium  u require it (or it's like use only once, and stork helpers that migh	Medium  ely to be ore the data locally t defer filtering to	

	To assess the environmental impacts of hosting and detect overconsumption, some indicators are monitored: energy / water usage, CPU / Memory usage, allocation of servers and CPU cores, etc. These indicators are be used to calculate metrics directly related to environmental impacts, such as Power Usage Effectiveness (PUE), Water Usage Effectiveness (WUE), and Carbon Usage Effectiveness (CUE). They are displayed to visitors for transparency and monitoring reasons. If possible (to reduce redundancy) the ability to scale packages based on usage requirements is made available (manually or automatically) to reduce wasted resources.  Equipment is managed responsibly by keeping it as long as possible, using it as efficiently as					
	Equipment is managed responsibly by keeping it as long as possible, using it as efficiently as possible, making sure it is certified, and purchasing long-lifespan products.					
	Waste (including equipment) is recovered, recycled, and upcycled.					
	by wind or solar rat	her than from non-re	newable sources). F	lible carbon intensity for example, Renewa tricity comes directly	able Energy Credits	
	reduce them and or sustainable, therefore environmentally via	nly compensate for the the effectiveness	hem if they cannot be of an offset solution and part of a longer	at the priority should be avoided. Carbon of must be verified, should term strategy to elin	redits may not be own to be both	
	Impact & Effort	Hiç	gh	Med	ium	
	GRI	Low	Low	Low	Low	
4.2	Optimize Browser C	Caching				
	<b>Success Criterion</b>					
	Otherwise, use the expiration using export Varnish. If using a static pages so that required static asset	provided server controllers or cache-controllers or cache-controllers or framever they can be reused	figuration files to inc ol, utilizing tooling w work that generates for future visitors. A where possible to re	ole on-the-fly server- lude and tweak the f here appropriate suc pages on request, ca lso remember to cac duce repeat server re logies.	ile-type cache th as Memcached, ache responses for the frequently	
	Programming Interf example, through the	aces (APIs), or cookine use of a PWA (Pro	les (if necessary) to sogressive Web Applic	rs, WebWorkers, stor streamline the user-jo cation) to ensure that and improve accessil	ourney. For an offline version	
	Impact & Effort	Hiç	gh	Hiç	gh	
	GRI	Medium	High	Medium	High	
4.3	Compress Your File	s				
	Success Criterion					
	Brotli or GZIP. Othe		ded server configura	-fly server-side comp tion files to include a		
				reducing the quality a server or content		
	Impact & Effort	Hiç	gh	Lo	W	

	GRI	Low	Low	Low	Low	
4.4	Use Error Pages an	d Redirects Carefull	У			
	Success Criterion					
	_	r each error type to e		cur, provide suitable n be identified to hel	-	
		fix them. A redirect of		ssary. Proactively se elp reduce the numb		
	Impact & Effort Low Low					
	GRI	Low	Low	Low	Low	
4.5	Limit Usage of Add	itional Environments				
	Success Criterion					
		environment is availa it online while unuse		ost of deploying an e	environment with	
	Impact & Effort	Med	lium	Lo	ow	
	GRI	Low	Low	Low	Low	
4.6	Automate To Fit the	Needs				
	Success Criterion					
		k, such as deployme ontinuous integratio		lation, is run automa ery best practices.	tically, as	
	To reduce wasted p	processing cycles, ev	very automated task	is only run when nee	eded.	
		infrastructure is used ttling is implemented		crease the capacity or demand.	of the web server	
	concern for security bad actors and min logs, less data, less large increase in HT	y, performance, and imize bad behavior. seffect due to comp TP, email, and other rate data. Comprom	sustainability. Use so This results in substa romise, and more. To traffic as malicious	ent years. As such, in ecurity tools that autonatically less load on the result of compronations to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts to inferiorally identified by a such as the second attempts and a such as the second attempts	omatically block the server, fewer nised websites is a iltrate other	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	Low	Low	Low	Low	
4.7	Maintain a Relevant	t Refresh Frequency				
	Success Criterion					
	The frequency for redepending on visitor		ache, locally stored o	data, and the page) i	s defined	
	Impact & Effort	Med	lium	Lo	)W	
	GRI	Medium	Medium	Medium	Medium	

4.8	Be Mindful of Duplicate Data						
	Success Criterion						
	Backups of system and user data are both incremental and secure.						
	Impact & Effort	npact & Effort Low Low					
	GRI	Low	Low	Low	Low		
4.9	Enable Asynchronous Processing and Communication						
	Success Criterion						
	_	ical processes and c under a given thresh		batched and launche	ed only when		
	using insecure prot for visitors (HTTPS,	ocols (HTTP, FTP), a	nd prioritize more ef ocols such as HTTP	or's needs and data t ficient and privacy-a /2 should be used to I for older devices.	ware data routes		
	refresh), if the utilization	ation of Event-Drivenendly (based on the F	n Architecture and M PPP variables involve	es (without triggering icroservices will be red) than traditional A	more		
	server-side workload of your solution, use it.  Redundant processing should be avoided wherever possible. When processing of data is required, the location of whether such processing and / or delivery should occur from either the client or server-side must be determined based on efficiency, performance, and sustainability metrics						
	(before implementation).  Impact & Effort Medium Medium						
	Impact & Effort	•	dium	Med	lium		
		•	dium Low	Med	lium Low		
4.10	Impact & Effort	Low					
4.10	Impact & Effort GRI	Low					
4.10	Impact & Effort  GRI  Consider CDNs and  Success Criterion  When building for a pre-generated reso	Low d Edge Caching globally distributed urces in a fast and e	Low  audience, use a CD fficient manner. Alth		Low simple read-only, can increase		
4.10	Impact & Effort  GRI  Consider CDNs and  Success Criterion  When building for a pre-generated reso performance, it is a	Low d Edge Caching globally distributed urces in a fast and e	Low  audience, use a CD  fficient manner. Altheinfrastructure that ne	Low  N to store and serve ough they definitely deeds to be considered.	Low simple read-only, can increase		
4.10	Impact & Effort  GRI  Consider CDNs and Success Criterion  When building for a pre-generated reso performance, it is a Verify that the CDN  A hosting provider of the control of the contr	Low d Edge Caching globally distributed urces in a fast and e lso another layer of i provides a commitmed was chosen with service, the need for distributed	Low  audience, use a CD  fficient manner. Althe infrastructure that ne nent to sustainability vers located close to	Low  N to store and serve ough they definitely deeds to be considered.	Low  simple read-only, can increase d for sustainability.		
4.10	Impact & Effort GRI Consider CDNs and Success Criterion When building for a pre-generated reso performance, it is a Verify that the CDN A hosting provider serve a local audier globally may not be Don't use the service a first-party host) as browser mechanics interact, and the position of the control of th	Low d Edge Caching d globally distributed urces in a fast and e lso another layer of i provides a commitm was chosen with service, the need for distributed to cache partition, any benefits are need to be compared to the companion of the compani	Low  audience, use a CD  fficient manner. Althe infrastructure that ne nent to sustainability vers located close to tributed content (CD  regularly changing re tioning, cross-origin egated by weaker pe of security and private	Low  N to store and serve ough they definitely deds to be considered.	Low  simple read-only, can increase d for sustainability.  ring that if you only our materials  ript (unless through DRS), and other lity to cache or		
4.10	Impact & Effort GRI Consider CDNs and Success Criterion When building for a pre-generated reso performance, it is a Verify that the CDN A hosting provider a serve a local audier globally may not be Don't use the servid a first-party host) as browser mechanics interact, and the podoesn't affect JSOI All information pass transferred, and CF	Low d Edge Caching a globally distributed urces in a fast and e lso another layer of i provides a commitmed as chosen with service, the need for distributed to cache partitions, any benefits are new tential introduction of N or other static assessed between the layer U cycles for (de)seri	Low  audience, use a CD  fficient manner. Althe infrastructure that ne nent to sustainability vers located close to tributed content (CD  regularly changing re tioning, cross-origin egated by weaker per of security and privalents.  ers of an application alization. Wherever	Low  N to store and serve ough they definitely deds to be considered to the visitor, considered the visitor that visitor the v	Low  simple read-only, can increase d for sustainability.  ring that if you only our materials  ript (unless through DRS), and other lity to cache or duced. This  n terms of data ormations must be		

	GRI	Low	Medium	Low	Medium		
4.11	Use the Lowest Info	rastructure Tier Mee	ting Business Requir	rements			
	Success Criterion						
	Select infrastructure elements with the lowest requirements tier, meeting your service-level agreements. Avoid over-provisioning multi-datacenter, multi-zone, or distributed deployments if standalone instances meet the requirements. Also avoid provisioning infrastructure that will be under-utilized by provisioning for established average loads, ensuring reasonable resource utilization and autoscaling occurs as needed. Avoid provisioning for peak loads.						
	Impact & Effort Medium Medium						
	GRI	Low	Low	Low	Low		
4.12	Store Data Accordi	ng to Visitor Needs					
	Success Criterion						
	Remove unnecessa abandoned.	ary and redundant da	ata from your servers	s, whether it is single	e-use (dark data) or		
	Create data with ar up old data needs		cess data is a form o	of technical debt, and	d routinely cleaning		
	Use a data classific	cation / tagging polic	y to make it easier to	o find, handle, and re	emove.		
	Store data only who	en it is difficult to rec	create.				
		tion, storage (off-site al backup providers	e), and rotation; sche	eduling during low-ad	ctivity hours and		
	Ensure long-term a	ssets, especially tho	se of a large size, ar	e made available for	download.		
	Impact & Effort	Lo	)W	Lo	)W		
	GRI	Low	Low	Low	Low		
5.1	Have an Ethical and	d Sustainability Prod	uct Strategy				
	Success Criterion						
		PP Statement that in	cly available Code of cludes language spe				
			nd anything beyond on of your product or s		uidelines are		
	•	•	n showing how it eff ted PPP practices ov		olemented digital		
	_		ided by the organiza ustainable product s	_	new team		
			ed through impact st ons in order to raise a				
	The organization ca	an show how it powe	ers digital products a	nd services with ren	ewable energy.		
	Impact & Effort	Hi	gh	Hi	gh		
	GRI	High	High	High	High		

5.2	Assign a Sustainability Representative						
	Success Criterion						
	An ecological referee (with specific digital expertise) for the product or service within your organization has been assigned and empowered with the tools they require (resources, budget, time, etc.) to achieve their stated goals.						
	Impact & Effort	pact & Effort Medium Low					
	GRI	Medium	Medium	Medium	Medium		
5.3	Raise Awareness and Inform						
	Success Criterion						
	(managers and clie		out and trained in bo	es, and organizationa oth general and digita			
	sustainability. This	can be undertaken th , or other ongoing or	nrough in-house trair	evelop, establish, and ning, courses, works ds to empower your	hops, events,		
	and sustainable init	-	nd resources on sust	r environmental impa ainable design, best			
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
5.4	Communicate the E	Ecological Impact of	User Choices				
	Success Criterion						
		lications of visitor choased on those choice		arly communicated a	and visitors can		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
5.5	Estimate a Product	or Service's Environ	mental Impact				
	Success Criterion						
	A full life-cycle Ana conducted.	lysis based on the fu	ınctional unit defined	d in Guideline 5.15 ha	as been		
		impact of your or a call) has been calculate		service to inform ded	cision-making (as a		
	(or estimates of) of solutions utilized in	any tooling used to	create the product on ot created by you, t	or service, you must r service along with a he emissions they ge overall solution.	any third-party		
	Impact & Effort	Med	lium	Med	lium		
	GRI	Medium	Medium	Medium	Medium		
5.6	Define Clear Organ	izational Sustainabili	ty Goals and Metrics	S			

	Success Criterion					
	communicates how	•	oals, including which	ustainability goals. It n performance metric		
	Impact & Effort	Lo	ow .	Med	lium	
	GRI	Low	Low	Low	Low	
5.7	Verify Your Efforts U	Jsing Established Th	ird-Party Business (	Certifications		
	Success Criterion					
	The organization has achieved one or more business sustainability certifications and incorporated operational policies and practices to support them.					
	The organization m	aintains its certificat	ion through evolving	policies and practic	es over time.	
	Impact & Effort	Med	dium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
5.8	Implement Sustaina	ability Onboarding G	uidelines			
	Success Criterion					
	policies and practic	ces it follows and ho		es, and materials that n. While managing and nd practices arise.		
		eir training, including		olders to make prog ity activities, recogni		
	The organization ar acts to minimize the		potential negative ex	xternal variables on t	the service, and	
	Impact & Effort	Hi	gh	Med	lium	
	GRI	High	High	High	High	
5.9	Support Mandatory	Disclosures and Re	porting			
	Success Criterion					
	environmental impa		services, policies, ar	actices for disclosing nd programs in line w		
			vailable impact repor pals at least once pe	t outlining its progre r year.	ss against previous	
	and legislative police	cy that promotes ma er human and enviro	ndatory disclosures	or emerging environ and reporting for em s impact reporting, r	issions. This is	
	_	-	t reduces its environ ata, or other manipul	mental impact, avoidative techniques.	ding double	
	Impact & Effort	Med	dium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	

5.10	Create One or More Impact Business Models					
	Success Criterion					
	The organization has completed (and operationalized) a Theory of Change process with requisite documentation to identify the impact it hopes to create, how it will generate revenue, shared, or added value from these activities, how it will measure results based on desired outcomes; or in the case of launched projects, is generating revenue, actively tracking and measuring progress against any desired outcomes.					
	Impact & Effort High Medium					
	GRI	High	High	High	High	
5.11	Follow a Product M	anagement and Mai	ntenance Strategy			
	Success Criterion					
	The organization hamaintenance.	s documented polic	ies outlining how it a	approaches product	management and	
	The organization hait manages.	s maintenance / sec	curity plans in place f	for all the digital prod	ducts and services	
	refactoring code, ac	ddressing technical of	es products over time debt, new product fe ue supporting its cus	eatures, ongoing test	ing, and product	
		corporates carbon a ole improvement ove	nd resource measure er time.	ement into maintena	nce programs and	
			d documented Key F sustainability impacts		ls) and implements	
	Impact & Effort	Hi	gh	Lo	ow .	
	GRI	High	High	High	High	
5.12	Implement Continue	ous Improvement Pr	ocedures			
	Success Criterion					
	<u> </u>	•	nd practices to enab y to support these e	•	vement and has	
			e gone through a rev arch, identify technic	•		
	while also addressing such as technical dialection and Analytics are limited	ng the by-products a ebt, product perform d to only necessary f	ent (iteration) usage f and potential conseq nance, emissions, an eatures to aid with d against business go	quences of ongoing on the related issues is collected in the collected is a collected in the collected in th	experimentation, learly visible. couraging visitor	
	elimination of unuse	_	reation of new function unvisited pages thro se basis.	-		
	•		during the product o	-	•	

	Sustainable product and data strategies have been developed with appropriate training techniques. These should help your team (managers, colleagues, etc) build capacity and learn new skills to manage and maintain products and services over time.					
	Impact & Effort	Hi	gh	Hi	gh	
	GRI	High	High	High	High	
5.13	Document Future U	Ipdates and Evolutio	ons			
	Success Criterion					
	Adding, updating, of the product or se	_	are considered whe	re appropriate to the	user-experience	
	Impact & Effort	Low				
	GRI	Low	Low	Low	Low	
5.14	Establish if a Digita	Product or Service	Is Necessary			
	Success Criterion					
		vice identifies within appropriate targets		ement where it aligns	with one of the	
	The product or serviability factors.	rice has been detern	nined as necessary b	pased upon desirabil	ity, feasibility, and	
		product or service of stand the market for		An analysis has bee	n conducted if	
	Any obstacles to us have been overcom		vice, such as access	sibility, equality, tech	nical, or territorial	
	Impact & Effort	Hi	gh	Lo	<b>DW</b>	
	GRI	High	High	High	High	
5.15	Determine the Fund	ctional Unit				
	Success Criterion					
	A life-cycle Assessifunction throughout	, ,	n conducted to defin	e the requirements o	f your product's	
	Impact & Effort	Med	lium	Med	lium	
	GRI	Medium	Medium	Medium	Medium	
5.16	Create a Supplier S	tandards of Practice	)			
	Success Criterion					
	The organization ha	as created specific p	olicies to vet potenti	al partners in its sup	ply chain based on	
	The organization ha		opliers to create, trac	ck, and measure coll	ective impact on	
	The organization ha	s promoted its partr	nerships in a publicly	v available place, alor	ng with information	
		ship creates a collec				

	GRI	High	High	High	High	
5.17	Share Economic Be	enefits				
	Success Criterion					
	The organization is living wage.	publicly committed	to paying employees	s, contractors, and o	ther stakeholders a	
	•	as policies and pract meet its impact goa	•	ntivize stakeholders,	such as workers	
		ovides benefits to er althcare, retirement p			•	
	The organization advocates for responsible legislation that supports employment rights, transparency, and accountability related to sharing economic benefits.					
	Impact & Effort	Hi	gh	Hig	gh	
	GRI	High	High	High	High	
5.18	Share Decision-Ma	king Power With App	oropriate Stakeholde	ers		
	Success Criterion					
		goals are aligned wi anagers) have the po alf.	-		•	
	lunn and O Effort	Low High				
	Impact & Effort	LC	)W	Hi	gn	
	GRI	Low	Low	Low	gn Low	
5.19	GRI		Low			
5.19	GRI	Low	Low			
5.19	GRI Use Justice, Equity Success Criterion The organization haprioritizes marginali	Low	Low (JEDI) Practices  Dommitment to JEDI proderserved community	Low practices with clear prices, including Black,	Low policies on how it	
5.19	GRI Use Justice, Equity Success Criterion The organization ha prioritizes marginali People of Color, LG The organization has	Low  , Diversity, Inclusion  as documented its contact or otherwise under	Low (JEDI) Practices  Disputition of the community of the	Low practices with clear prices, including Black, eniors, and so on.	Low policies on how it Indigenous,	
5.19	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible The organization had how this topic man	Low  Diversity, Inclusion  as documented its continued or otherwise undapted as an accessibility possible.	Low  (JEDI) Practices  commitment to JEDI products and school communities and school commun	Low  practices with clear prices, including Black, eniors, and so on.  acts and services and se.  nedules ongoing wor	Low  policies on how it Indigenous,  d can show this via	
5.19	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible The organization had how this topic man economy work, missing succession in the conomy work, which we conomy work with the conomy work work w	Low  Diversity, Inclusion  as documented its continued or otherwise unda BTQIA+, Women, Diversity possibility poss	Low  (JEDI) Practices  commitment to JEDI products and school communities and services and services.	Low  practices with clear prices, including Black, eniors, and so on.  acts and services and se.  nedules ongoing workes (algorithmic bias,	Low  colicies on how it Indigenous, d can show this via rkshops related to digital divide, gig	
	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible. The organization had how this topic manneconomy work, mist The organization capperations. The organization acceptation acceptation acceptation acceptation acceptation.	Low  Diversity, Inclusion  as documented its continued or otherwise unda BTQIA+, Women, Diversity possibility poss	Low  (JEDI) Practices  Dispute the product of the p	Low  practices with clear pries, including Black, eniors, and so on.  acts and services and see.  nedules ongoing wordes (algorithmic bias, over time in its hiring)	Low  colicies on how it Indigenous,  d can show this via rkshops related to digital divide, gig , leadership, and	
	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible. The organization had how this topic manneconomy work, mist The organization capperations. The organization acceptation acceptation acceptation acceptation acceptation.	Low  The property of the prope	Low  (JEDI) Practices  Display the community of the commu	Low  practices with clear pries, including Black, eniors, and so on.  acts and services and see.  nedules ongoing wordes (algorithmic bias, over time in its hiring)	Low  colicies on how it Indigenous,  d can show this via ckshops related to digital divide, gig , leadership, and , especially as	
	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible. The organization had how this topic man economy work, mist The organization can operations. The organization acrelated to digital process.	Low  The property of the prope	Low  (JEDI) Practices  Display the community of the commu	Low  practices with clear pries, including Black, eniors, and so on.  acts and services and se.  nedules ongoing wores (algorithmic bias, over time in its hiring ong to JEDI practices)	Low  colicies on how it Indigenous,  d can show this via ckshops related to digital divide, gig , leadership, and , especially as	
	GRI Use Justice, Equity Success Criterion The organization had prioritizes marginaling People of Color, LG The organization had a verified accessible. The organization had how this topic man economy work, mis The organization can operations. The organization acrelated to digital pro-	Low  The properties of the pro	Low  (JEDI) Practices  Display the product of the p	Low  practices with clear pries, including Black, eniors, and so on.  acts and services and se.  nedules ongoing wores (algorithmic bias, over time in its hiring and to JEDI practices.  Higher	Low  colicies on how it Indigenous,  d can show this via ckshops related to digital divide, gig , leadership, and , especially as	

	The organization maintains a publicly accessible Privacy Policy, Terms and Conditions, or any other documents required by local law, that adhere to the most restrictive data protection regulations, especially when providing services outside the organization's country. These documents are available in accessible formats and use clear, user-friendly language to ensure comprehension by all visitors, avoiding jargon, technical language, and legalese. The organization also supports emerging legislation and implements best practices related to data privacy, sustainability, and responsible data management.  The organization can show measurable progress over time in respecting data privacy and					
	The organization can show measurable progress over time in respecting data privacy and ownership. This will include how the organization handles data disposal and a visitor's "right to be forgotten", along with ownership rights and providing the ability to download / 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		t audits. An archiving	e archived and delet g schedule with a lig		
	Users can control, i	manage, and delete	their data, subscript	ions, and accounts.		
	Impact & Effort	Lo	<b>DW</b>	Hi	gh	
	GRI	Low	Low	Low	Low	
5.22	Promote and Imple	ment Responsible E	merging Technology	Practices		
	Success Criterion					
	The organization has public-facing policies in place for emerging technologies, and all such					
	The organization has public-facing policies in place for emerging technologies, and all such technologies are ethically sourced, screened, validated, and implemented in a non-discriminatory, responsible manner.					
	responsible manner	r. nows how it up-skills		hnologies and practi		
	The organization sh disrupt its business The organization su	r. nows how it up-skills model.	workers as new tec	•	ces potentially	
	responsible manner The organization sh disrupt its business The organization su emerging technolog Organizations must derive from the use chosen setting. Also waste or emissions	nows how it up-skills model.  Ipports and complies gies (such as the EU consider, audit, and of emerging technoo note that this shoul) of the utilization of	workers as new tech s with responsible le Al Act) I account for any enviogies they wish to e Ild include third-party	hnologies and practi gislation related to a vironmental consider ither promote or imp y choices, the "expe eate a desired result	ces potentially utomation and rations that may olement within a nse" (in terms of	
	responsible manner The organization shidisrupt its business The organization suremerging technolog Organizations must derive from the use chosen setting. Also waste or emissions issues to the environ Automated tooling, assisted data gather Providers must decired.	nows how it up-skills model.  Inports and complies gies (such as the EU consider, audit, and of emerging technor on the utilization of note that this shoul) of the utilization of note that may arise scrapers, spiders, bering must abide by relare themselves as r	workers as new technical services with responsible lead AI Act)  I account for any envilogies they wish to end include third-party the technology to cree from its deployment of the county and the control of the county and the control of the contr	hnologies and practi gislation related to a vironmental consider ither promote or imp y choices, the "expe eate a desired result	ces potentially utomation and rations that may blement within a nse" (in terms of and consequential as of machine- website level. ser-agent / HTTP	
	responsible manner The organization sh disrupt its business The organization su emerging technolog Organizations must derive from the use chosen setting. Also waste or emissions issues to the enviro Automated tooling, assisted data gathe Providers must decheader. Providers m	nows how it up-skills model.  apports and complies gies (such as the EU consider, audit, and of emerging technor on the that this should of the utilization of nament that may arissecrapers, spiders, being must abide by relate themselves as responsible to the publish impropulation.	workers as new technical services with responsible learn Al Act)  I account for any envilogies they wish to end include third-party the technology to cree from its deployment of the technical intelligence of the party of the technical intelligence of the party of the technical intelligence of the party of the party of the party reports relating the party of the party	hnologies and practi gislation related to a vironmental consider either promote or imply y choices, the "expeleate a desired result ent.	ces potentially utomation and rations that may plement within a nse" (in terms of and consequential as of machine-website level. ser-agent / HTTP tivities.	
	responsible manner The organization sh disrupt its business The organization su emerging technolog Organizations must derive from the use chosen setting. Also waste or emissions issues to the enviro Automated tooling, assisted data gathe Providers must decheader. Providers m	nows how it up-skills model.  apports and complies gies (such as the EU consider, audit, and of emerging technor on the that this should of the utilization of nament that may arissecrapers, spiders, being must abide by relate themselves as must also publish impaguantum encryption of later.	workers as new technical services with responsible learn Al Act)  I account for any envilogies they wish to end include third-party the technology to cree from its deployment of the technical intelligence of the party of the technical intelligence of the party of the technical intelligence of the party of the party of the party reports relating the party of the party	hnologies and practi gislation related to a vironmental consider either promote or imply y choices, the "expeleate a desired result int. ence, and other form that the host, server, or questing within the unit to their gathering ac	ces potentially utomation and rations that may plement within a nse" (in terms of and consequential as of machine- website level. ser-agent / HTTP tivities.	

5.23	Include Responsible Financial Policies							
	Success Criterion							
	The organization has divested from fossil fuels and moved its banking, sponsorship, and other affiliations to more responsible partners.							
	The organization engages in flexible financing and responsible budgeting for its digital products and services to accommodate long-term care and maintenance.							
	Impact & Effort	High		High				
	GRI	High	High	High	High			
5.24	Include Organizational Philanthropy Policies							
	Success Criterion							
	The organization has a clear corporate giving policy and creates philanthropic partnerships with strategically aligned organizations.							
	The organization engages in free or volunteer projects, which help its team learn new tools and tactics, while also helping charities and non-profit organizations build capacity.							
	Impact & Effort	High		Medium				
	GRI	High	High	High	High			
5.25	Plan for a Digital Product or Service's Care and End-of-Life							
	Success Criterion							
	Clear, documented end-of-life guidelines exist that include data disposal, archiving, file deletion, etc guidance.							
	Impact & Effort	Medium		Medium				
	GRI	Medium	Medium	Medium	Medium			
5.26	Include E-Waste, Right-To-Repair, and Recycling Policies							
	Success Criterion							
	The organization has specific policies in place to recycle e-waste and repair owned technology products whenever possible.							
	The organization has formed relationships with local partners for e-waste recycling and repair.							
	The organization buys refurbished equipment whenever possible.							
	The organization allows consumers to repair (to the best of their ability) the consumables they purchase, offering (if possible at cost) replacement components and provides clear instructions to resolve faults that occur.							
	Impact & Effort	High		Medium				
	GRI	High	High	High	High			
5.27	Define Performance and Environmental Budgets							
	Success Criterion							

	The product team has defined, baselined, and documented clear sustainability and environmental budget criteria that cover the page, user-journey, and digital service levels and metrics (such as a CO2.js score) that are approved by relevant product stakeholders.							
	Tools such as a performance budget exist to determine the maximum size (goals) your app or website can weigh to reduce the data transfer and HTTP request impact (using metrics like Google Lighthouse).							
	KPIs are defined around engineering hours, development time, or sprints keeping the health and wellbeing of your workers paramount. Consideration has been taken around optimizing your workflow sustainably to allow all tasks to be performed with care.							
	The product team can measurably show how much the budgeting process improved performance and reduced emissions.							
	The product team invests in resources to build capacity and maintain the budgets over time.							
	Impact & Effort	Medium		Medium				
	GRI	Medium	Medium	Medium	Medium			
5.28	Use Open Source Tools							
	Success Criterion							
	The organization has a clear open source policy in place that outlines how it uses open source tools and the practices it supports surrounding open source development.							
	The organization has a track record of collaboration and community-building around open source principles.							
	The organization regularly contributes 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							
	The organization has created a plan of action that is regularly reviewed and occasionally tested to determine readiness in case of an incident and has procedures to quickly recover from such issues.							
	The organization regularly maintains transparent communication with its audience regarding issues that may affect service delivery or user data.							
	Impact & Effort	Low		Medium				
	GRI	Low	Low	Low	Low			