

High-Level Accessibility Evaluation (WCAG 2.1)

Emerald Insights

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SUMMARY

This report reflects the findings of a high-level assessment of Emerald Insights for its conformance with the W3C Web Content Accessibility Guidelines version 2.1 (WCAG 2.1).

There are very few WCAG 2.1 compliance issues with Emerald Insights, and the few that are present are programmatic in nature and should be relatively easy to fix. However, creating an accessible platform is a constantly moving goalpost, so it is important to keep in mind that there are continual updates to the WCAG standards that may require more work in the future. Below are the most critical issues to focus on correcting to improve access for all potential users of the system.

Top Findings

- 1. **Compatibility:** The biggest issue with the Emerald system is in the implementation of ARIA, and there are very few of these issues. Most of them seem to be related to the same elements and are persistent across the database. For an in-depth guide to ARIA implementation, please see the WAI-ARIA Authoring Best Practices Guide from W3.
- 2. **Contrast:** Several color contrast issues were flagged by automatic analysis tools that should be further investigated. However, these may only be potentially a programmatic issue. Note that while not currently an issue with WCAG 2.1, WCAG 2.2 will have updated criteria surrounding keyboard focus and focus rings.
- 3. **Keyboard focus:** While there are currently no issues with keyboard focus, it may be important to take a look at the WCAG 2.2 draft and prepare for upcoming changes.







ACCESSIBILITY FINDINGS

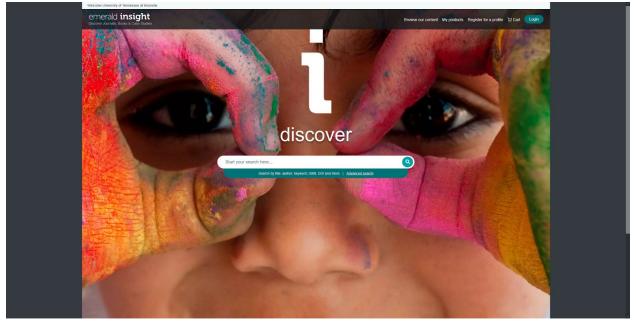
This report was conducted against Emerald Insights and covers a selection of pages and features that were to be tested as a representative sample of the database's conformance to the WCAG 2.1 AA standards.

The resource was reviewed using a combination of manual and automatic review tools and assistive technologies, including the WAVE Accessibility Assessment tool, Axe Accessibility Assessment tool, WCAG Color Contrast Checker, and NVDA screen reader. All problems identified by automatic tools were double checked manually. This evaluation was performed using Firefox on Windows 10.

Below are the findings revealed during the accessibility evaluation of Emerald Insights.

1. Initial Interface

Test Case: Test initial interface/landing page to ensure menus, sub-menus, search box, images, icons, etc. are accessible.



- **SC 1.3.5**: Screen reader announces the search bar as a combobox, but there are no additional search parameters to be selected.
- **SC 4.1.2**: Aria hidden element must not be focusable or contain focusable elements; location: .intent_button_submit





SC 4.1.2: Landmarks should be unique; location: .navbar

- All content should be contained by landmarks; location: .header-feedback__link-cookiebutton
- Possible color contrast issues, need further investigation

2. Search Results

Test Case: From the initial landing page, conduct a search for: "climate change." Test search results page, including filters/refine search. Select "Only content I have access to" under Access and sort by Newest to oldest. Change per page results from "10" to "50."

Wekome University of Tennessee at Knowle emerald insight			Bro	owse our content My products Register for a profile 🗒 Cart Login
Discover Journals, Boolis & Case Studies	climate change		Q Advanced search	
	Romer / Search results Search results 1 - 50 of over 51000 (0) (c) Citations: download RIS	Per page 10 20 50	Sorted by most recent	
	(9) Chatterns: download FH3 Construction Anne Anne	DOWNLOADS ALIMITIES	Access Coty content I have access to X Year Last week (550) Last 3 months (7470) Last 10 months (7470) Last 10 months (7470) Last 10 months (745) At atta (5125) Film Year To Year	
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	Q → Q Open Access We are using cookies to give you the best experience on our websile, but you are free to manage they			
	any time. To continue with our standard settings click "Accept". To find out more and manage your coo click "Manage cookies". Stefanetia Stranieri, Alessandro Varacca, Minta Casati, Ettore Capi and Claudo Songaroli		Manage cookies 🗙	

- SC 4.1.1: IDs of active elements must be unique; location: .intent_search_result.card-shadow.isanimated:nth-child(43) > .intent_item.Search-item__list__item.px-md-0 > .pb-3.flexrow.d-lg-flex > .mnw-lg-25.my-lg-0.pl-2 > .pt-2 > .mb-2:nth-child(5) > a[href="javascript:;"]
- SC 4.1.1: IDs used in ARIA and labels must be unique; location: .intent_search_result.cardshadow.is-animated:nth-child(1) > .fade.d-none.abstract > .col-md-5.pl-1.pl-md-4 > .intent_keywords.mt-4 > .mb-0.h4.intent_title
- SC 4.1.1: id attribute value must be unique; location: .intent_search_result.card-shadow.isanimated:nth-child(1) > .fade.d-none.abstract > .col-md-5.pl-1.pl-md-4 > .intent_keywords.mt-4
- **SC 4.1.2**: Elements must only use allowed ARIA attributes; 51 instances; needs further review.





3. Individual Results

Test Case: Click on the first article to test the individual search result landing page. Test the table of contents in the left pane. Test references and tables and figures within the article, and also test the PDF by selecting the PDF icon near the top of the screen.

Welcome University of Tennessee at Knowle					Turner rout coun
emerald insight Discover Journals, Books & Case Studies				Browse our content My products	Register for a profile 🛛 Cart Logn
	Enter your search terms	s here	Q Advanced search	0	
	Hone / Journals / Journals	Counterstation 7 Value 19 Name 7 1 A note of their own, variations of information practices is inderesting that include the second sec			
		Prefix	Related articles		
	Abstract Introduction	Abstract Purpose Information practices become highly complex in biodiversity otitizen science projects due to the	Thousands of exampling eyes, credibility, authority and validity in biodiversity critizen science data production Byrin Ebstrien, Asib Journal of Intornation Maragement, 2022		
	Literature review Research context Theory	projects' large scale, distributed setting and vast inclusion of participants. This study aims to contribute to knowledge concerning what variations of information practices can be found in biodiversity dition science and what these practices may mean for the overall collaborative biodiversity data production in such projects.	Trace data visualisation enquiry; a methodological coupling for studying informatio practices in relation to information systems Bjóm Elistitim, Journal of Decumentation, 2021		
	Method Results Concluding discussion	Design/methodology/approach Fifteen semi-structured interviews were carried out with participants engaged with the Swedish biodiventity citizen science information system Artipotatien. The empirical data were analysed	Social media in learning on nature: case Finnis anateur mycologista Minna Santacija, On the Horizon, 2022		
		through a practice-theoretical lens investigating information practices in general and variations of practices in particular. Findings The analysis shows that the nexus of biodiversity otten science information practices consists of observing, lensifying, reporting, collecting, curating and validating species as well as	What do people benefit from a citizen science programme? Evidence from a Reandar citizen science programme on malaria control (2) Domina Asingsizie et al. Malar a, 2020 The SMART Study, a Mobile Health and Citizen		
		you the best experience on our website, but you are tree to manage these at in standard settings cirkt "Accept". To find out more and manage your cookes,	Manage cookies X		
		Finally, a discrepancy between practices of validating and decision-making have been noted,			

SC 4.1.2: Elements must only use allowed ARIA attributes; location: .text-primary **SC 4.1.2**: ARIA attributes must conform to valid values; location: #article-tab

4. Advanced Search

Test Case: Test Advanced Search and Browse Our Content pages.

emerald insight ascover Journels, Books & Case Studies			Brow	ase our content My products Register for a profile 🗟 Cart Logn
	Enter your search terms	s here	Q Advanced search	
	Home / Journals / Journal of	Documentation / Volume 78 Issue 7 / A niche of their own; variations of information practices in biodiversity cilizen science		
		A niche of their own: variations of information practices science Binn Easton Journal of Documentain ISSK 022.0416 Common Commo	in biodiversity citizen	
		PDF (173 KB)		
			Related articles	
	Abstract Introduction Literature review Research context Theory Method Results Concluding discussion	Abstract Purpoe Information progetices become highly complex in biodiversity citizen science projects due to the propert targe scate, existibuted setting and variational or paralleles and before individually citizen science and with these practices may mean for the overall colaborative used on the science and with these practices may mean for the overall colaborative used on the science and with these practices may mean for the overall colaborative sciences and an existing and the science and with an existing and an existing an existing and an existing and an existing	Newsatery are called per called and the second sec	
		you the best experience on our website, but you are free to manage these at a standard settings cick "Accept" To find out more and manage your cookies,	Manage cookes X	
		Finally, a discrepancy between practices of validating and decision-making have been noted, which could be millionted by involving intermediany pathological for mutual understandings of		





SC 4.1.2: Interactive controls must not be nested; 6 instances; location: .mr-3[role="option"]:nth-child(1-6)

5. "Browse Content" Pages (4)

Test Case: Test Advanced Search and Browse Our Content pages.

Welcome University of Tennessee at Knowille		^
emerald insight Discover Journals, Books & Case Studies		Browse our content My products Register for a profile 🗟 Cart Login
	Enter your search terms here	Q Advanced search
	Home / Books and journals	
	Books and journals Browse over 3,00 debook tiles and a portiolio of over 300 journals authored by renowned academics and nature to ourimology and social media. Piter by journal or book tile Iter by journal or boo	Tite A B c D E F G H I J K L M N O P G R ST U V W Subjet Subjet </th
	Subject: Health & social care > Montal health > Social inclusion Voir book >	Books Collection Monograph Monograph
	We are using cookes to give you the best experience or our website, but you are free to manage these at any time. To continue with our standard settings click "Accept". To find out more and manage your cookes, click "Manage cookes".	Journals Manage cookies X
	Author: Judy Rollins	

No unique issues found on any of the 4 "Browse Content" pages.

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