

VPAT Accessibility Conformance Report

(Based on ITI VPAT®)

Name of Product	Pure Portal
Date Last Updated	July 25, 2022
Completed by	Jay Nemchik (Digital Accessibility Team, Dayton)
Applicable Standards/Guidelines	This document rates Pure Portal according to the W3C WCAG 2.1 A and AA requirements.
Contact for More Information	Ted Gies Principal User Experience Specialist ted.gies@elsevier.com accessibility@elsevier.com
Testing Tools and Methods	Hands-on keyboard operation Firebug/Code inspection Firefox Web Developer Toolbar (removing style sheets) JAWS 18 on Mozilla Firefox 63 and MS IE 11 on Windows 10 NVDA screen reader v2019.2.1 Wave Extension Color Contrast Analyzer W3C WAI Pages Elsevier Accessibility Checklist: http://romeo.elsevier.com/accessibility_checklist/
Document Sections	The review document below includes all WCAG 2.1 A and AA checkpoints and is organized into 6 logical sections: <ul style="list-style-type: none">• Visuals• Keyboard• Headings and Structure• Labeling• Multimedia• Usability
Pages Covered	Homepage, Find Profiles, Find Research Units, Profile Details, Research Unit Details, Article Details, Advanced Search
Terms	<ul style="list-style-type: none">• Supports: The functionality of the product has at least one method that meets the criteria without known defects or meets with equivalent facilitation.• Partially supports: Some functionality of the product does not meet the criteria.• Does not support: Majority of functionality of the product does not meet the criteria.• Supports (N/A): According to W3C on conformance, "If there is no content to which a success criterion applies, the success criterion is satisfied."
Notes/Terminology	"AT" stands for Assistive Technology such as screen readers, voice input, etc.

WCAG 2.1 Success Criterion	Level	Evaluation
1.1.1 Non-text Content	A	Supports
1.2.1 Audio-only and Video-only (Prerecorded)	A	Supports (N/A)
1.2.2 Captions (Prerecorded)	A	Supports (N/A)
1.2.3 Audio Description or Full Text Alternative	A	Supports (N/A)
1.2.4 Captions (Live)	AA	Supports (N/A)
1.2.5 Audio Description	AA	Supports (N/A)
1.3.1 Info and Relationships	A	Partially supports
1.3.2 Meaningful Sequence	A	Partially supports
1.3.3 Sensory Characteristics	A	Supports
1.3.4 Orientation (2.1)	AA	Supports
1.3.5 Identify Input Purpose (2.1)	AA	Supports (N/A)
1.4.1 Use of Color	A	Supports
1.4.2 Audio Control	A	Supports (N/A)
1.4.3 Contrast (Minimum)	AA	Partially supports
1.4.4 Resize text	AA	Supports
1.4.5 Images of Text	AA	Partially supports
1.4.10 Reflow (2.1)	AA	Supports
1.4.11 Non-Text Contrast (2.1)	AA	Supports
1.4.12 Text Spacing (2.1)	AA	Supports
1.4.13 Content on Hover or Focus (2.1)	AA	Partially supports
2.1.1 Keyboard	A	Partially supports
2.1.2 No Keyboard Trap	A	Supports
2.1.4 Character Key Shortcuts (2.1)	A	Supports (N/A)
2.2.1 Timing Adjustable	A	Supports (N/A)
2.2.2 Pause, Stop, Hide	A	Supports (N/A)
2.3.1 Three Flashes or Below Threshold	A	Supports (N/A)
2.4.1 Bypass Blocks	A	Supports
2.4.2 Page Titled	A	Supports
2.4.3 Focus Order	A	Supports
2.4.4 Link Purpose (In Context)	A	Supports
2.4.5 Multiple Ways	AA	Supports
2.4.6 Headings and Labels	AA	Supports
2.4.7 Focus Visible	AA	Supports
2.5.1 Pointer Gestures (2.1)	A	Supports (N/A)
2.5.2 Pointer Cancellation (2.1)	A	Supports
2.5.3 Label in Name (2.1)	A	Supports
2.5.4 Motion Actuation (2.1)	A	Supports (N/A)
3.1.1 Language of Page	A	Supports
3.1.2 Language of Parts	AA	Partially Supports
3.2.1 On Focus	A	Supports
3.2.2 On Input	A	Supports
3.2.3 Consistent Navigation	AA	Supports

WCAG 2.1 Success Criterion	Level	Evaluation
3.2.4 Consistent Identification	AA	Supports
3.3.1 Error Identification	A	Supports (N/A)
3.3.2 Labels or Instructions	A	Supports
3.3.3 Error Suggestion	AA	Supports (N/A)
3.3.4 Error Prevention (Legal, Financial, Data)	AA	Supports (N/A)
4.1.1 Parsing	A	Supports
4.1.2 Name, Role, Value	A	Supports
4.1.3 Status Messages (2.1)	AA	Supports (N/A)

Visuals		
WCAG 2.1 Checkpoint	Supporting Features	Remarks
1.1.1: Non-Text Content (A) Provide text alternatives for non-text content (e.g. images)	Supports	Images, icons, and graphs include text equivalents.
1.3.3: Sensory Characteristics (A) Do not rely on sensory characteristics of components such as shape, size, visual location, orientation, or sound	Supports	Content does not rely on sensory characteristics.
1.4.1: Use of Color (A) Color is not used as the only visual means of conveying info	Supports	Color is not used as the only means of conveying information content.
1.4.3: Color Contrast (Minimum) (AA) Text has enough contrast with the background (4.5:1 for small text and 3:1 for large text)	Partially supports	<p>Most text has enough contrast with its corresponding background.</p> <p>Exceptions: Homepage: Many of the UN Sustainable Development Goals white text does not have enough contrast with the yellow/green/light blue/orange backgrounds, usually under 3.0:1 ratio required for text within images.</p> <p>Profile Details: The PlumX orange, green, and purple text does not have enough contrast. The page can contain the UN Sustainable Development Goals, some of which do not have enough contrast for text within images.</p>

<p>1.4.4: Resize Text (AA) Text can be enlarged up to 200% without loss of functionality.</p>	Supports	Text can be enlarged to 200% without loss of functionality.
<p>1.4.5: Images of Text (AA) Text is used rather than images of text, except where the presentation of text is essential, such as logos</p>	Partially supports	<p>No images of text are used other than for Logos or essential presentation in most areas.</p> <p>Exceptions: Homepage: The UN Sustainable Development Goals all use images of text for the menu buttons.</p> <p>Profile Details: The UN Sustainable Development Goals all use images of text.</p>
<p>1.4.10 Reflow (AA) (2.1) Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for: Vertical scrolling content at a width equivalent to 320 CSS pixels; Horizontal scrolling content at a height equivalent to 256 CSS pixels.</p>	Supports	All content is displayed in one scrolling direction for all content.
<p>1.4.11 Non-Text Contrast (AA) (2.1) User interact components and graphical objects have a contrast ratio of at least 3:1 against adjacent color(s).</p>	Supports	UI components and graphical objects pass the minimum contrast ratio of 3:1.
<p>1.4.12 Text Spacing (AA) (2.1) In content implemented using markup languages that support the following text</p>	Supports	All content can be adjusted to the minimum text spacing requirements without loss of readability or functionality.

<p>style properties, no loss of content or functionality occurs by setting all the following and by changing no other style property:</p> <p>Line height (line spacing) to at least 1.5 times the font size; Spacing following paragraphs to at least 2 times the font size; Letter spacing (tracking) to at least 0.12 times the font size; Word spacing to at least 0.16 times the font size.</p>		
<p>1.4.13 Content on Hover or Focus (AA) (2.1) Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:</p> <ul style="list-style-type: none"> • Dismissable • Hoverable • Persistent 	Partially supports	<p>There are tooltips that appear on hover and focus that are not hoverable.</p> <p>Exceptions: Profile Details, Article Details: The canvas graphs have tooltips that appear on mouse hover that cannot be hovered without disappearing.</p>
<p>2.3.1: Three Flashes or Below Threshold (A) No more than three flashes in a 1-second period, or the flashes are below the defined thresholds</p>	Supports (N/A)	No flashing content exists.

Keyboard		
WCAG 2.1 Checkpoint	Supporting Features	Remarks

<p>1.3.2: Meaningful Sequence (A) The correct reading sequence can be programmatically determined</p>	Partially supports	<p>The correct reading sequence is logical with the DOM order matching the visual order. A few irregularities occur with how screen readers read out text.</p> <p>Exceptions: Profile Details, Research Unit Details, Article Details: The popups for the Plum and Altmetric images cannot be reached and read by screen readers.</p>
<p>2.1.1: Keyboard (A) All functionality is available from a keyboard, except for tasks such as drawing</p>	Partially supports	<p>Most content is keyboard operable.</p> <p>Exceptions: Profile Details, Research Unit Details, Article Details: The interactive portions of the canvas graphs cannot be reached by keyboard.</p> <p>Profile Details, Research Unit Details, Article Details: The popups for the Plum and Altmetric images cannot be activated by keyboard.</p>
<p>2.1.2: No Keyboard Trap (A) The user can use the keyboard to move through page elements and is not trapped on a particular element</p>	Supports	No keyboard traps exist on any page.
<p>2.1.4 Character Key Shortcuts (A) (2.1) If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true:</p> <ul style="list-style-type: none"> • Turn off • Remap • Active only on focus 	Supports (N/A)	No keyboard shortcuts are implemented on the site.
<p>2.4.3: Focus Order (A) Users can tab through the elements of a page in a logical</p>	Supports	Tab order is logical on the site.

order		
2.4.7: Focus Visible (AA) The page element with the current keyboard focus has a visible focus indicator	Supports	All elements use a good and contrasting visible focus.
3.2.1: On Focus (A) When a UI component receives focus, this does not trigger unexpected actions.	Supports	Focusable elements do not cause unexpected actions when receiving focus.

Headers and Structure

WCAG 2.1 Checkpoint	Supporting Features	Remarks
1.3.1: Information and Relationships (A) Info, structure, and relationships can be programmatically determined	Partially supports	Good use of headings to appropriately structure content. HTML5 tags and roles are used in several areas to create landmarks. Exceptions: Homepage: If there is nothing in a <nav> element, it should be removed (Pagination navigation landmark).
2.4.1: Bypass Blocks (A) Users can bypass repeated blocks of content.	Supports	Headings exist and a visible "Skip" links exists, which allow users using Assistive Technology to jump to the different areas of content quickly.
2.4.6: Headings and Labels (AA) Headings and labels are clear and consistent.	Supports	Headings and labels used are clear and descriptive.
3.1.1: Language of Page (A) The language of the page is specified	Supports	The language is defined as lang="en".
3.1.2: Language of Parts (AA) Specify the language of text passages that are in a different language than the default language of the page.	Partially supports	There can be instances of various research output (publications, activities, etc.) that can be in a different language than the page default, but they are not marked with a lang attribute.

4.1.1: Parsing (A) Use valid, error-free HTML	Supports	HTML and CSS passes concerning these 4 specific criteria: (i) elements have complete start and end tags, (ii) elements are nested according to their specifications (iii) elements do not contain duplicate attributes (iv) any IDs are unique, except where the specifications allow these features.
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Labeling

WCAG 2.1 Checkpoint	Supporting Features	Remarks
1.3.5 Identify Input Purpose (AA) (2.1) The purpose of each input field collecting information about the user can be programmatically determined when: The input field serves a purpose identified in the Input Purposes for User Interface Components section; and the content is implemented using technologies with support for identifying the expected meaning for form input data.	Supports (N/A)	There are no fields for which the autocomplete attribute applies.
2.4.2: Page Titled (A) The page has a title describing its topic or purpose	Supports	Titles change dynamically based on the current page and are descriptive.
2.4.4: Link Purpose (In Context) (A) The purpose of each link can be determined from the link text or surrounding context.	Supports	Links used have an identifiable purpose from the link text or surrounding context.
2.5.3 Label in Name (A) (2.1) For user interface	Supports	Most user interface components have the visible label as the first part of the programmatic label.

components with labels that include text or images of text, the name contains the text that is presented visually.		
3.2.4: Consistent Identification (AA) UI components used across the web site are identified consistently on every page.	Supports	UI components are consistent across the site in terms of HTML implementation and labelling.
3.3.1: Error Identification (A) Input errors are clearly marked and described to the user.	Supports (N/A)	No input errors are possible with the search implementation.
3.3.2: Labels and Instructions (A) Items requiring user input are clearly labeled or have clear instructions.	Supports	All input areas have clear labels which are programmatically assigned.
3.3.3: Error Suggestion (AA) When the user makes an input error, give suggestions for valid input.	Supports (N/A)	There are no forms on the site that would give error suggestions.
4.1.2: Name, Role, Value (A) For all UI components, the name, value, and role can be programmatically determined.	Supports	UI components communicate their state programmatically.
4.1.3 Status Messages (AA) (2.1) In content implemented using markup languages, status messages can be programmatically determined	Supports (N/A)	There are currently no status messages used on the site.

through role or properties such that they can be presented to the user by assistive technologies without receiving focus.		
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Multimedia

WCAG 2.1 Checkpoint	Supporting Features	Remarks
1.2.1: Audio-only or Video-only (Prerecorded) (A) Provide alternatives for pre-recorded audio-only or video-only content.	Supports (N/A)	No pre-recorded audio-only or video-only content was reviewed.
1.2.2: Captions (Prerecorded) (A) Provide captions for pre-recorded audio	Supports (N/A)	There is no pre-recorded audio on the site.
1.2.3: Audio Description or Media Alternative (Prerecorded) (A) Provide alternatives for pre-recorded synchronized audio/video	Supports (N/A)	There is no pre-recorded synchronized audio/video on the site.
1.2.4: Captions (Live) (AA) Provide captions for live audio in synchronized audio/video.	Supports (N/A)	There is no live audio in synchronized audio/video.
1.2.5: Audio Description (Prerecorded) (AA) Provide an audio description of pre-recorded video.	Supports (N/A)	There is no pre-recorded video on the site.
1.4.2: Audio Control (A) Audio can be paused and stopped, or the audio volume can	Supports (N/A)	There is no audio content on the site.

be changed.		
2.2.2: Pause, Stop, Hide (A) Users can stop, pause, or hide moving, blinking, scrolling, or auto-updating information.	Supports (N/A)	There is no moving, blinking, or scrolling content.
Usability		
WCAG 2.1 Checkpoint	Supporting Features	Remarks
2.2.1: Timing Adjustable (A) Users are warned of time limits shorter than 20 hours and time limits can be turned off or extended	Supports (N/A)	There is no time limit for the site.
2.4.5: Multiple Ways (AA) More than one way is available to navigate to other web pages.	Supports	Users can reach all pages in the system using the global navigation. Content pages can be reached through the global nav or homepage.
3.2.2: On Input (A) Changing the setting of a checkbox, radio button, or other UI component does not trigger unexpected changes in context.	Supports	User inputs do not cause unexpected actions.
3.2.3: Consistent Navigation (AA) Navigation menus are in the same location and order on every web page.	Supports	Navigation menus are consistently in the same place and in same order.
3.3.4: Error Prevention (Legal, Financial, Data) (AA) For web pages with legal or financial commitments,	Supports (N/A)	No data submissions on the site require legal or financial commitments. No data submissions allow for a users' profile to be deleted.

input can be reviewed and corrected before final submission, and submissions can be reverted.		
Mobile User Experience		
WCAG 2.1 Checkpoint	Supporting Features	Remarks
1.3.4 Orientation (AA) (2.1) Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.	Supports	Content is not restricted to a single display orientation.
2.5.1 Pointer Gestures (A) (2.1) All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.	Supports (N/A)	There is no content on the site that requires multipoint or path-based gestures.
2.5.2 Pointer Cancellation (A) (2.1) For functionality that can be operated using a single pointer, at least one of the following is true: <ul style="list-style-type: none"> • No Down-Event • Abort or Undo • Up Reversal • Essential 	Supports	All content that can be operated with a single pointer can be undone or is performed on the up-event.

<p>2.5.4 Motion Actuation (A) (2.1) Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation, except when:</p> <ul style="list-style-type: none">• Supported Interface• Essential	Supports (N/A)	There is no content on the site that is activated by motion or actuation.
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