Voluntary Product Accessibility Template (VPAT)

Name of Product	PURE Portal
Date	May 4, 2016
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Product Version Number	
Product Release Date	
Testing Tools and Methods	Hands-on keyboard operation Firebug/Code inspection JAWS 11, JAWS 15 on Mozilla Firefox 29 and MS IE 9 on Windows 7 Open Ajax Alliance (OAA) side bar Wave toolbar
Guidelines Used to Complete this VPAT	SSA guide to filling out a VPAT: http://www.socialsecurity.gov/accessibility/files/ SSA_guide_to_completeing_the_voluntary_product_accessibility_template.pdf Webaim.org Section 508 checklist: http://webaim.org/standards/508/checklist Jim Thatcher's online course on Section 508 Guidelines: http://jimthatcher.com/webcoursec.htm The W3C WCAG 2.0 scripting techniques used to guide the scripting section: http://www.w3.org/TR/WCAG20-SCRIPT-TECHS/client-side-script.html Elsevier Accessibility Checklist: http://romeo.elsevier.com/accessibility_checklist/
Pages Covered	Homepage, Experts page, Research Units page, Research Output page, Author page, Specific Research Unit page, Article page
Pages on Accessibility Roadmap	

Applicable Sections

Section	Supporting Features	Remarks
Section 1194.21 Software Applications and Operating Systems	Supports: B, E, G, L Supports with exceptions: A, C, D, F, I Not applicable: H, J, K	a) Most elements are accessible by keyboard. b) PURE should not interrupt any APIs/operating system (OS) functions. c) Some elements have some form of custom visible focus. The custom focus is not well defined enough. d) PURE communicates most of its interface and navigation to Assistive Technology. e) PURE uses a few background and static images that identify as controls or UI elements, and they are consistent throughout the website. f) Users with screen readers can access almost all textual information. g) PURE will not interfere with any contrast settings, magnification settings or keyboard sensitivity settings set by the OS. h) PURE does not use any animation. i) Most elements do not use color coding as the only means of conveying information. j) Not applicable k) Not applicable l) All forms can be accessed and submitted. Forms are properly labeled and provide good instructions.
Section 1194.22 Web-based Internet	Supports:	a) Most images and icons used have associated text equivalents.

| Information and Applications | D, K, L, M, N, O

Supports with exceptions:
A, C, G

Not applicable:
B, E, F, H, I, J, P | b) No videos exist on the site.

c) Most elements do not use color coding as the only means of conveying information.

d) PURE uses external style sheets instead of inline styles.

e) Not applicable

f) Not applicable

g) Tables use column headers. Scope attributes are not used.

h) Not applicable

i) Not applicable

j) Not applicable

k) PURE does not have any primary functionality that warrants a separate text-only page.

l) Some parts of the UI and displayed content utilize JavaScript. The information supplied by these scripts is available and conveyed to Assistive Technology.

m) PURE does not require any plugins or applications on the client system in order to use the core features.

n) All forms can be accessed and submitted. Forms are properly labeled and provide good instructions.

o) Headings exist on most pages, which allow AT users to jump to the different areas of content quickly. A "skip" link exists as well.

p) There is no user timeout. |
| Section 1194.23 Telecommunications | Not Applicable | |

Products		
Section 1194.24 Video and Multi-media Products	Not Applicable	
Section 1194.25 Self-Contained, Closed Products	Not Applicable	
Section 1194.26 Desktop and Portable Computers	Not Applicable	
Section 1194.31 Functional Performance Criteria	Supports: B Supports with exceptions: A, F Not applicable: C, D, E	A) PURE is a website that uses HTML, CSS, and JavaScript. HTML and JavaScript are both supported by screen readers such as JAWS and by Braille displays. The navigation itself primarily uses standard HTML controls such as links, buttons, and form controls which all identifiable by screen readers. Exceptions are defined in 1194.22(A). B) All content and controls should be compatible with screen enlargement software and with built-in browser zoom functionality. C) Not applicable D) Not applicable E) Not applicable F) Most of PURE's controls and links are keyboard operable, except for a few items defined in 1194.21 (A).
Section 1194.41 Information, Documentation and Support	Supports: A, B, C	A) PURE provides a support page where documentation is available in HTML and alternate formats. B) PURE has an accessibility overview page detailing the accessibility compatibility features for various disability personas. C) PURE has a support page with contact information and detailed support services.

Legend			
Not Applicable	Supports, or Supports with assistive technology	Supports with exceptions	Does not support

Section 1194.21 Software Applications and Operating Systems		
Criteria	Supporting Features	Remarks
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Supports with exceptions	Most elements are accessible by keyboard. Exceptions: • SVGs on the site containing valuable information are not accessible by keyboard. • The buttons showing weighted terms are not keyboard accessible (Only on the homepage are they accessible). • The altmetric buttons have a popup that only appears on mouse hover. • The "Back to Top" button cannot be accessed by keyboard. • The "Include results from Experts Community" button cannot be access by keyboard. Additionally, the popup that appears on mouse hover for the '*i*' icon cannot be accessed by keyboard.
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable	Supports	PURE does not have features that would interfere with standard API features of an OS including the MSAA (Microsoft Active Accessibility).

activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.		
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	Supports with exceptions	Some elements have a visible keyboard focus. For the elements that do have a visible focus, it typically uses a custom styled focus using CSS. The current focus indicator is not defined well enough, however. The focus indicator needs to be clear and obvious. Exceptions: • The "Skip" link and Logo both do not have a visible focus. • The globe icon and its dropdown options do not have a visible enough focus indicator. • The Search filter "Everything", does not have a visible focus. • The Search magnifying glass does not have a visible focus. • The buttons showing weighted terms need a much more defined focus indicator. The dropdowns from these buttons need a more defined indicator as well. • The navigation (Home, Experts, Research Units, etc.) needs a more defined focus indicator. • The "RSS" icon does not have a focus indicator. • The secondary navigation for experts (Overview, Fingerprint, Research Output, Similar Experts, Network) does not have a focus indicator. • Tabs used on the site (such as on the Research Units page) do not have a focus indicator.
(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the	Supports with exceptions	Most elements communicate their function and state to assistive technology. Many areas make good use labelling and ARIA. Exceptions: • Any content that, upon activation, expands new content should be given aria-expanded="true/false". (i.e. the button that expands a larger bar graph of research output). The aria-expanded attribute should be on the element that expands the content and

information conveyed by the image must also be available in text.		should have "false" by default and only become true once the content is expanded. • The alternate language link should have a language attribute for that language (русский). Additionally, when the page changes to that language, the language of the page in the html needs to change to the correct language (<html lang="ru">).
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Supports	PURE uses a few background and static images that identify as controls or UI elements, and they are consistent throughout the website.
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Supports with exceptions	Users with screen readers can access almost all textual information. Exceptions: • The altmetric buttons have a popup that only appears on mouse hover. Screen readers cannot access this information. • On the Experts page, the popup that appears on mouse hover for the '*i*' icon next to the "Include results from Experts Community" button cannot be accessed by keyboard.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supports	PURE will not interfere with any contrast settings, magnification settings or keyboard sensitivity settings set by the OS.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not applicable	PURE does not use any animation.

(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports with exceptions	PURE does not use color coding to convey most information. Exceptions: • The links in the footer use the same color as the surrounding text. There is no way for a user to determine that these are links just by seeing them.
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Not applicable	PURE does not offer any options to adjust color and contrast settings.
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.	Not applicable	PURE does not have any flashing or blinking texts or objects.
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports	All forms can be accessed and submitted. Forms are properly labeled and provide good instructions.

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Section 1194.22
Web-based Internet information and applications

Criteria	Supporting Features	Remarks
(a) A text equivalent for every non-text element shall be	Supports with exceptions	Most images and icons used have associated text equivalents.

provided (e.g., via "alt", "longdesc", or in element content).		Exceptions: • The SVGs on the site would need to be provided in an accessible format. Additionally, all SVGs should have a <title> and <desc> so they can be better understood by assistive technology.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	The site does not have any videos.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Supports with exceptions	PURE does not use color coding to convey most information. Exceptions: • The links in the footer use the same color as the surrounding text. There is no way for a user to determine that these are links just by seeing them.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Supports	PURE uses external style sheets instead of inline styles.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	PURE does not have any server-side image maps.
(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Not applicable	PURE does not have any client-side image maps.
(g) Row and column headers shall be identified for data tables.	Supports with exceptions	The tables used across the site have appropriate row and column headers. Tables do not use scope attributes.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Not applicable	Data tables on the site do not have two or more logical levels of row or column headers.
(i) Frames shall be titled with text that facilitates frame	Not applicable	PURE does not use any frames.

identification and navigation		
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Not applicable	PURE does not use any images that flash, blink or flicker.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Supports	PURE does not have any primary functionality that warrants a separate text-only page.
(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.	Supports	Some parts of the UI and displayed content utilize JavaScript. The information supplied by these scripts is available and conveyed to Assistive Technology.
(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).	Supports	PURE does not require any plugins or applications on the client system in order to use the core features.
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Supports	All forms can be accessed and submitted. Forms are properly labeled and provide good instructions.
(o) A method shall be provided that permits users to	Supports	Headings exist on pages, which allow users using Assistive Technology to jump to the different areas

skip repetitive navigation links.		of content quickly. There is also a visible "skip" link which allows keyboard users to skip the navigation.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not applicable	There are no timed responses or system timeouts on the site.

Section 1194.31 Functional Performance Criteria		
Criteria	Supporting Features	Remarks
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supports with exceptions	PURE is a website that uses HTML, CSS, and JavaScript. HTML and JavaScript are both supported by screen readers such as JAWS and by Braille displays. The navigation itself primarily uses standard HTML controls such as links, buttons, and form controls which are mostly identifiable by screen readers. The exceptions to the vision requirement include a few items concerning alternative text as described in 1194.22 (A).
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports	PURE uses HTML and text for its content as well as independent CSS for formatting to allow users to apply their own style sheets. OS features such as Windows 7 Magnifier are compatible with the PURE application. Other browser controls such as Mozilla Firefox Zoom-In feature will work with PURE. PURE is usable with screen magnification software such as ZoomText.
(c) At least one mode of operation and information	Not applicable	PURE does not require user hearing to operate any application or functionality.

retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided		
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Not applicable	PURE does not have content that relies on audio information.
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Not applicable	PURE does not require any speech input for operation.
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports with exceptions	Most of PURE's controls and links are keyboard operable. The exceptions are defined in 1194.21 (A). Users may use their browser text enlarging tool to enlarge controls for easier clickability. Label tags have not been applied to most small controls such as checkboxes and radio buttons in some places to allow for easier selection with a mouse.

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Section 1194.41 Information, documentation, and support

Criteria	Supporting Features	Remarks
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supports	PURE provides a support page where documentation is available in HTML and alternate formats.
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Supports	PURE has an accessibility overview page detailing the accessibility compatibility features for various disability personas. This VPAT also provides another indication of the accessibility features of PURE.
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supports	PURE has a support page with contact information and detailed support services.

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