1. Narrative description

a) Explanation of the library’s innovation

Developed at the Robertson Library, University of Prince Edward Island, Islandora http://islandora.ca/ is a robust open-source digital asset management system that can be used for any requirement where collaboration and digital data stewardship, for the short and long term, are critical. Islandora integrates the Drupal content management system and the Fedora digital repository with a host of functions that:

- provide a public facing web site, while at the same time providing a secure private workspace for authenticated members of the group;
- enable users to easily customize and brand their website;
- provide a set of collaboration and communication tools (e.g., document sharing and editing, data collection, blogs, rss feeds, tagging, and commenting);
- enable authorized users to manage (create, edit, or delete) any type of digital content in a secure repository;
- provide a forms based interface for users to describe their digital content using the standards of their discipline (for example, present a form that utilizes the Darwin Core XML schema to describe herbarium samples);
- provide users with discovery tools (search and browse) to display and analyze their content;
- provide custom transformation or views of content;
- provide best-practice digital preservation services.

At UPEI, Islandora is used across the entire enterprise - in learning, research, and administration.

b) Published mission statement of nominated institution

The University of Prince Edward Island, founded on the tradition of liberal education, exists to encourage and assist people to acquire the skills, knowledge, and understanding necessary for critical and creative thinking, and thus prepare them to contribute to their own betterment and that of society through the development of their full potential. To accomplish these ends, the University is a community of scholars whose primary tasks are to teach and to learn, to engage in scholarship and research, and to offer service for the benefit of our Island and beyond. http://home.upei.ca/about-upei/mission-and-goals

The overall mission of Robertson Library is to support the University's mission of assisting people in acquiring the skills, knowledge, and understanding necessary for critical and creative thinking. The Library would do this by building and preserving collections that primarily support the learning, teaching, and research needs of the University; by providing access to information in an effective and timely manner; by encouraging information literacy through educating our various communities in the use of information resources; and by anticipating information needs. http://library.upei.ca/libraryhistory

c) History of development and implementation of the program in brief
In Fall 2006 Mark Leggott undertook the role of University Librarian with a vision of making the Robertson Library an integral part of the teaching, research and learning landscapes at the University of Prince Edward Island. Shortly after his arrival, the Library's first Virtual Research Environment (VRE) was created; the Mollusc Health Lab (MHL) focused on creating “a common, transparent, honest and shared platform to the scientific community of mollusc health”. In the 6-month period that followed, VREs for the Centre for Aquatic Sciences (CAS), Culture Multimedia, Technology and Cognition (CMTC), and Marine Natural Products Lab (MNPL) were created.

In 2007 the Library took steps to position itself to better respond to the growing demand: the Data and Research Services was created; a Library Technician position was redefined into a Developer/Programmer position; and the Library engaged its first contractor, leveraging research funds initially through MHL and then through MNPL. Following on the success of its work with the science VREs, the Library collaborated with the CMTC project to build one of the project’s deliverables - a VRE - as well as managing the digital library and hardware infrastructure for the project. The need to provide a flexible, secure, robust and scalable framework resulted in the creation of the open source software, Islandora. Islandora provides a framework that allows users to manage, preserve, discover and display digital assets.

In 2008, the UPEI Senate approved a Strategic Research Plan referencing aspects of the Library’s VRE service. For instance one of the strategic priorities of the plan is to “provide a world-leading, flexible information technology infrastructure in support of the conceptualization, dissemination, publication and long-term stewardship of research” via the VRE service. In addition, as part of the implementation of the Strategic Research Plan, the Library is responsible for providing “all interested campus-based research collaborations with a VRE and the support needed to ensure research data and results are preserved.”

To that end, from 2006 to the present day the Library has supported over 120 VREs. The year 2008 also saw the launch of two important initiatives. IslandScholar was developed and launched and fulfilled one of the objectives of the Strategic Research Plan - “to develop a publicly accessible institutional repository which will contain citations for all research conducted at UPEI, as well as, in accord with copyright protocols, access to copies of our research documents, publications, and reports.” The service integrates with tools like Sherpa/Romeo to determine copyright permissions and leverages the COinS (ContextObjects in Span) OpenURL standard to enable easy retrieval of full text through a user’s locally licensed holdings. IslandScholar also supports deposit of pre- and post-print versions of faculty-written articles and other publications where licensing permits.

Also in late 2008, a one-time donation and subsequent endowment provided the seed funding for investments in digitization infrastructure and personnel. The donation also funded the IslandLives project - an important community outreach project and the beginning of the library’s goal to digitize all of the published output of Prince Edward Island, starting with the Island’s community and church histories. Providing an excellent resource for the Island and its wider community, the IslandLives project also produced many tools of interest to researchers in the nascent field of Digital Humanities including an editor for encoded texts (TEI), processes that automatically transform and encode text, and new methods for visualizing textual material. This project led to a collaboration between the Robertson Library and a nationally funded project called EMiC (Editing Modernism in
Canada) lead by Dr. Dean Irvine (Dalhousie University / Yale University) and Islandora has since been adopted as its Digital Humanities framework.

2010 was a milestone year for Islandora. In 2010 the University of Prince Edward Island submitted the DiscoverySpace proposal to the Atlantic Innovation Fund and was successful. The DiscoverySpace proposal is a 3-year, $2.5 million project to build on Islandora's unique approach to research collaboration and data stewardship with the Virtual Research Environment (VRE) framework. The project works with the larger open source community to build a rich ecosystem of tools for digital libraries and all research domains. In addition to enhancing the core Islandora software, the project releases specialized solution packs, providing rich collaborative environments for a wide range of disciplines. An outcome of the AIF project, and a key sustainability factor in Islandora, has been the creation of a spin-off company called DiscoveryGarden Inc\(^1\) which provides support, hosting and custom development for external partners such as Fundación Juan March, Colorado Alliance of Research Libraries, Grinnell College, Berkeley Labs, UCLA, and more.

The islandarchives.ca site was formally launched in 2011, featuring a number of digital library collections including IslandLives (community histories), IslandVoices (audio interviews), and IslandImagined (Island maps). This is the showcase site for the University’s digital collections and also serves as the demonstration site for the latest developments in the Islandora framework. The team at UPEI often refers to itself as “the little engine that could,” using open source software to demonstrate what an organization can do when it invests in knowledge, rather than proprietary software.

In 2012, new VRE’s included Quantum Chemistry Collaboration with Dr. Jason Pearson, Department of Chemistry, and Red Fox Sightings Framework with Dr. Marina Silva, Department of Biology. IslandScholar http://islandscholar.ca was relaunched during Open Access Week, 2012 with a new theme, and a revised repository framework with support for the Citation Style Language, creation of bibliographies, tracking of views, and scholar profiles and their research networks. Content included in the repository expanded as well, with the addition of an e-thesis workflow and harvesting framework. Digital Collection Development included the PWC Digital Archives http://vre2.upei.ca/pwc SDU Digital Archives (in progress) The Telling Island Stories website http://islandstories.ca/ and iPad App were launched in June 2012.

The Goat Anatomy/Veterinary Image Annotation VRE for the Atlantic Veterinary College (which shows integration with Stanford’s own Shared Canvas project) will be ready in January 2013. A VRE for the Partnership for Canada-Caribbean Community Climate Change Adaptation (PaRCA) for Dr. Adam Fenech, UPEI Climate Lab is under development. The Newspaper Digitization Project includes continuing work on the PEI Guardian. The Prince Edward Island Legislative Documents Online launch is scheduled for February 14, 2013.

The Islandora project and its resulting initiatives deliver on the University’s strategic plans, the broader communities’ need for an accessible interface to the Fedora Commons system, and an open source digital asset management system that meet the needs of all parts of the organization.

d) Intended clientele; including a brief description of the method(s) of assessing effects on clientele

i) University of Prince Edward Island

\(^1\) http://www.discoverygarden.ca/
At UPEI, Islandora is used across the entire enterprise - in learning, research, and administration. It is used by the Library, in partnership with local institutions, to develop digital collections for use by researchers from the University and the larger community. Islandora is the basis of the Virtual Research Environment (VRE) service used by university research groups to manage their individual research projects and research data. Islandora is also used by university administrative groups.

Print

- Red & White
  - [http://vre2.upei.ca/uasc](http://vre2.upei.ca/uasc)
  - The student publication of UPEI's predecessor Saint Dunstans's University
  - Partnerships: Robertson Library, Saint Dunstan’s University alumni and Board of Governors
- Prince of Wales College
  - [http://vre2.upei.ca/pwc](http://vre2.upei.ca/pwc)
  - A select of archival content from Prince of Wales College, another predecessor of UPEI.
  - Partnerships: Robertson Library, Prince of Wales College Alumni
- Prince Edward Island Magazine
  - [http://vre2.upei.ca/peimagazine](http://vre2.upei.ca/peimagazine)
  - A magazine published in the last century about Prince Edward Island.
  - Partnerships: Robertson Library and University of New Brunswick
- Island Magazine
  - [http://vre2.upei.ca/islandmagazine](http://vre2.upei.ca/islandmagazine)
  - A publication of the PEI Museum and Heritage Foundation with articles about the cultural and natural history of Prince Edward Island.
  - Partnerships: Robertson Library and PEI Museum and Heritage Foundation
- Island Lives
  - [http://islandlives.ca](http://islandlives.ca)
  - A digital collection of community histories that includes automated TEI encoding and Name Entity Recognition.
  - Partnerships: Robertson Library, Private donor
- Island Newspapers
  - [http://islandnewspapers.ca](http://islandnewspapers.ca)
  - A digital collection representing over 50 years of the Charlottetown Guardian newspaper and others.
  - Partnerships: Robertson Library, The Guardian ($10K corporate partner)
  - This site is being re-launched with significant new functionality and expanded content in Q1 2013
- Prince Edward Island Legislative Documents Online
  - [http://www.peildo.ca](http://www.peildo.ca)
  - A digital collection of the Journals of the House of Assembly from 1894-2011, biographies of the members of the Assembly, audio and image content.
Partnerships: Robertson Library, Legislative Assembly of PEI, Public Archives and Records Office, PEI Government Services Library

This site will launch in mid-February 2013

Images

- Island Imagined
  - http://islandimagined.ca
  - A digital collection of maps, atlases, monographs and other geographic material related to Prince Edward Island.
  - Partnerships: Robertson Library, Public Archives and Records Office, and PEI Museum and Heritage Foundation Partnership ($48K Archival Community Digitization Program, Archives Council of Canada)

- Centre de recherche acadien de l’Île-du-Prince-Édouard
  - http://acadieipe.ca/
  - A collection of digitized images from the French Acadian community on Prince Edward Island.
  - Partnerships: Robertson Library and Le Centre de recherche acadien de l’Île-du-Prince-Édouard, Musée acadien de l’Île-du-Prince-Édouard

Multimedia

- Island Voices
  - http://islandvoices.ca
  - A collection of over 900 hours of digitized oral history interviews.
  - Partnerships: Robertson Library and Reg “Dutch” Thompson ($60K Inukshuk Fund)

- Living Archives
  - http://www.livingarchives.ca/
  - Partnerships: Robertson Library, Canadian Heritage, Public Archives and Records Office, PEI Museum and Heritage Foundation, PEI Department of Education

- Island Narratives
  - http://vre2.upei.ca/cap
  - A collection of digitized community resources.
  - Partnerships: Robertson Library, Industry Canada Community Access Program

- CAIRN
  - http://www.cairnrepo.org/
  - The CAUL Atlantic Islandora Repository Network is an innovative initiative to create an interlinked network of institutional repositories.
  - Partnerships: Robertson Library, Council of Atlantic University Libraries Pilot ($50K CAUL funding)

- Telling Island Stories
  - http://islandstories.ca/
○ Telling Island Stories draws on the existing archive of books, reports, letters, diaries and other print material and presents that content within an innovative iPad discovery application.
○ Partnerships: Robertson Library, DiscoveryGarden Inc., Innovation PEI ($48K Rural Broadband Fund)

Metadata

● IslandScholar
  ○ http://islandscholar.ca
  ○ UPEI institutional repository.
  ○ Partnerships: Robertson Library, UPEI Office of Research and Development
● PEIMAC - PEI Media Arts Catalogue
  ○ http://vre2.upei.ca/peimac
  ○ A catalogue of films/videos produced on or by Prince Edward Islanders.
  ○ Partnerships: Robertson Library, Island Media Arts Co-op

VRE Service

Through Islandora, the Library offers a new and innovative service, in information management, that supports campus research activities by providing individual research groups with a basic Virtual Research Environment (VRE) that can be developed to meet the group’s requirements. The VRE is used by research groups from different disciplines, including biosciences, physical sciences, social sciences, and humanities. Many of these VREs are used to support research under various funding agency mandates, so UPEI is able to effect a unique and innovative knowledge mobilization for the bulk of its research projects, while it is stewarding the research data.

Examples of VREs for UPEI researchers include:

● Marine Natural Products Laboratory
● Marxism and Psychology Group
● School Nutrition and Activity Project
● Centre for Biotechnology Management Research
● Canadian Bovine Mastitis Research Network
● Quantum Chemistry
● Goat Anatomy Image Collection (in progress)

A key, innovative component of Islandora’s VRE service to researchers is the support provided for the stewardship of research data, as the data is collected, stored, managed, and analyzed. The data is preserved in the Fedora repository. Islandora features that will be used by other groups are part of the normal development of Islandora. If a research group has specific immediate requirements, usually associated with managing and analyzing their research data, the Library uses an innovative funding model to provide those features. The group supplies the funding, from their research funds, and the Library will arrange and oversee that this development work is completed on a contract basis in a timely manner. The VRE service is now a standard Library service and the university community can access information about the service and request a VRE at http://library.upei.ca/vre.
Through Islandora, the Library extends this information management service to campus administrative groups and committees by providing a secure space for collaboration in a web-based environment linked to stewardship of their digital documents in the repository.

Examples of UPEI groups using Islandora:

- UPEI Senate and Board of Governors
- Senior Management Group
- Academic Program Chairs
- Academic Review and Planning Committee as well as other internal Committees
- Department VREs - Education, Science, Music

ii) Beyond the University of Prince Edward Island

Islandora, developed as open-source framework, is widely adopted in North America and beyond. See [http://islandora.ca/community](http://islandora.ca/community) for a map of the Islandora Sites and Test Implementations. The Islandora community is starting to contribute back to the effort with new functionality, the Islandora web presences (website - [http://islandora.ca](http://islandora.ca)), sandbox ([http://sandbox.islandora.ca](http://sandbox.islandora.ca)), documentation, GitHub and a number of online discussion groups. Islandora is considered one of the 2 de facto front-end systems for use with Fedora Commons, the other being the Hydra project. There are now 3 annual Islandora Camps located in Canada, Europe and Australasia. A 4th is being planned for the U.S.

The DiscoveryGarden commercial entity is a spin-off of UPEI and demonstrates a core goal of the project: to provide a sustainable and diverse open source ecosystem that ensures the long-term health of the project and the digital assets it stewards. DiscoveryGarden currently employs close to 30 people full time and provides some revenue back to UPEI as a revenue sharing agreement. This is further evidence of the innovative aspects of Islandora from the technical architecture to the governance of the software and community. There are also a number of DiscoveryGarden Agents in the U.S. and Europe, providing further evidence of the increasing value Islandora provides to the digital asset management context.

e) Principal players (staff, consultants), with brief biographical statements;

Mark Leggott - University Librarian
Mark is the University Librarian at the Robertson Library, the President of DiscoveryGarden Inc. and Founder of the Islandora Project. At the University Mark provides senior level leadership across the institution, including oversight for the Library. At DiscoveryGarden Inc. he provides senior management direction for the company and is also extensively involved in marketing and promotion. Mark has significant experience in working for research-intensive organizations as well as IT based companies in the private sector. Mark has had his own consulting company, has been a senior manager in a number of academic institutions, and has continued to be a leader in libraries and the open source community for more than 20 years.

Donald Moses - Digital Initiatives and Systems Librarian
Donald has been responsible for the most aspects of many of the IslandArchives.ca sites. His knowledge is considerable, covering all aspects of digital initiatives at UPEI, including the technical, metadata, quality control and content. He is also a core contributor to the Islandora project, including system architecture and functionality.

Paul Pound - Lead Software Developer
Paul Pound is the Senior Developer at the Robertson Library and the original developer of Islandora. He has extensive experience in the development of open source software. He’s actively involved with the Fedora Commons project, CloudSync, and leads the development of the Library’s software initiatives including Islandora and its associated modules and solution packs.

Peter Lux - Developer and Library Systems Administrator
Peter was one of the original developers that worked on the Islandora project and helped build many of the early VREs. In his role as Library Systems Administrator he manages the Library’s server, storage, and backup infrastructure. An he manages the Library’s Evergreen ILS instance as well.

*Kris Bulman - Digitization Technician*
Kris Bulman is the Senior Digitization Technician at the Robertson Library and oversees many aspects of the Library’s digitization lab, including imaging workflow, quality control, training and supervising digitization students.

*Richard Wincewicz - Developer* (to Sept 2012)
Richard worked on a number of VREs, including the Quantum Chemistry VRE, and version 2 of IslandScholar.

*Courtney Matthews - Community Services Librarian* (to August 2012)
Courtney worked with the Islandora project, VRE support and was the project lead for the Telling Island Stories iPad Project with Nelson Hart as developer.

*Simon Lloyd - University Archives & Special Collections Librarian*
Simon is responsible for building the University’s Special Collections, including the unique and comprehensive PEI Collection and the collections of the Lucy Maud Montgomery Institute. His expertise is an important component of the success of the IslandArchives.ca sites, including those focused on UPEI content.

*Melissa Belvadi - User Experience & Collections Librarian*
Melissa is a member of the VRE management team and has worked on IslandScholar, and a number of VREs including the government documents VRE and the CYCT VRE for faculty in Education. She is the manager for many of the social sciences VREs.

*Dawn Hooper - Data and Research Services Librarian*
Dawn is a member of the VRE management team and works with IslandScholar. She is the Library contact for the science VREs.

AIF Islandora Project Team members

*Kirsta Stapelfeldt - Repository/Islandora Manager.* Kirsta has a background in Library Science, Communications/Project management, and Drupal development that she has employed to help execute VRE services at UPEI.

*David Wilcox - Training/Support Coordinator* (to Sept 2012). David was responsible for providing support on the Islandora developer and users lists, and training UPEI faculty and stakeholders in the use of VREs.
**Alan Stanley - Islandora Developer.** Alan is the Islandora developer and release manager for Islandora 6. Alongside Paul Pound, he has contributed extensively to Islandora code since 2010 and helped with the functions provided to researchers in the UPEI VRE program.

**Gervais Montbrun - Systems Administrator (to Dec 2012).** Gervais was responsible for providing hardware and systems support for a cloud-based environment that support the VRE program at UPEI.

**Melissa Anez - Training/Support coordinator.** With a background in library science and social media development, Melissa provides training in the VRE context, as well as promoting and developing the community around the open-source software that powers it.

Islandora has an impact on the entire library enterprise at UPEI. It has transformed the work done by staff at the library, added and enhanced skill sets, and has fostered a spirit of innovation and entrepreneurship. It has enabled the Library to form new collaborations with the local community and beyond, has increase its role within the University, and within the international Library and Preservation community. It has provide new and sustainable ways of generating funds for supporting the library’s existing and evolving services and programs. It also clearly demonstrates the positive outcomes from a deliberate management strategy to foster a playful approach to technology and the evolution of academic libraries in the digital age.

**f) Functional specifications and requirements, if appropriate**

Islandora represents a modular approach to system development. At its core are two open source projects: the [Drupal](https://drupal.org) content management system and the [Fedora Commons](https://fedora-commons.org) Repository software. Islandora combines and harnesses the power of these tools to create a robust digital asset management system that can be used to meet the short and long-term requirements of digital data stewardship in a collaborative context.
The architecture is illustrated below.
Islandora represents a community-based approach to integrating robust open source software projects together. The resulting toolkit empowers users to create bespoke solutions and designs that accommodate the integration of software solutions that you already use.

Examples of these extensions include full “solution packs” that provide content models, ingest workflow and file processing (via modular micro-services), metadata management, search profiles and custom viewers. Other extensions may be utility modules that provide tools for repository managers and others, for example a batch ingest tool. Further search and display have been created to facilitate discovery and display of data. An example of this is a visual chemical search that allows the user to draw the molecule (or part of it) that they wish to search for and the resulting display is the molecule expressed as a text-based formula, as a 2d image representation, or a rotatable 3d object.

**g) URLs, photos, videos, other media, if appropriate to understanding the innovation**

Islandora site [http://islandora.ca/](http://islandora.ca/)

Youtube Islandora Channel [http://www.youtube.com/user/Islandora](http://www.youtube.com/user/Islandora)

Islandora Research RIRI 2011 [http://www.youtube.com/watch?v=fafbqu0FNjE](http://www.youtube.com/watch?v=fafbqu0FNjE)

Demonstration Test Cache Data Archive by Mike Haft, Freshwater Biological Association. Islandora Camp 2012. [http://www.youtube.com/watch?v=Uw38Bf72wK8](http://www.youtube.com/watch?v=Uw38Bf72wK8)

IslandArchives Interview with Mark Leggott [http://www.youtube.com/watch?v=ZnouANAjXCU](http://www.youtube.com/watch?v=ZnouANAjXCU)

ACOA AIF Islandora DiscoverySpace Project [http://www.acoa-apeca.gc.ca/eng/ImLookingFor/ProgramInformation/AtlanticInnovationFund/Pages/PEIProjects.aspx](http://www.acoa-apeca.gc.ca/eng/ImLookingFor/ProgramInformation/AtlanticInnovationFund/Pages/PEIProjects.aspx)

**h) Press coverage, if appropriate**

UPEI VRE: Open Source Virtual Research Environment Canadian Association of University Business Officers (CAUBO) 2009 Quality and Productivity Award for the Atlantic Region [http://www.caubo.ca/content/gp-2009-winners](http://www.caubo.ca/content/gp-2009-winners) page 29

“An Online Legacy” Charlottetown Guardian September 10, 2009 (IslandLives Digitization Project) [http://www.theguardian.pe.ca/Living/Technologies/2009-09-10/article-1289492/An-online-legacy/1](http://www.theguardian.pe.ca/Living/Technologies/2009-09-10/article-1289492/An-online-legacy/1)

Canadian Library Association CACUL Innovation Achievement Award 2010 and Press Release [http://www.cla.ca/AM/Template.cfm?Section=CACUL_Innovation_Achievement_Award](http://www.cla.ca/AM/Template.cfm?Section=CACUL_Innovation_Achievement_Award)

“UPEI unveils its online collection” CBC (IslandArchives launch April 2011)

Telling Island Stories iPad Application announcement June 6, 2012
http://news.upei.ca/media/2012/06/06/telling-island-stories-now-available-apple-s-app-store

http://www.theguardian.pe.ca/Arts/Entertainment/2012-06-28/article-3018920/A-handful-of-history/1

UPEI fox researcher looking for public’s help - CBC (Fox sightings VRE Nov 2012)

i) User documentation, if appropriate

The Islandora Documentation is available for review from:
https://wiki.duraspace.org/display/ISLANDORA/Islandora

2. Nominator’s statement: Why is the nominee particularly worthy of this recognition?

Islandora has transformed the Robertson Library by leveraging a variety of methods including engaging staff and the community in a vision that includes a vibrant, innovative, and sustainable enterprise. Islandora uses the concept of open source to provide new opportunities that can be adopted, utilized and expanded by the local, national and international communities. It has also facilitated a broader conversation in the international community about digital stewardship and preservation and enabled the participation by institutions previously unable to do so.

Islandora is transforming the Library’s services by:

- supporting and developing local digital collections that advance the traditional collections function of the Library;
- providing library staff and students with the opportunity to acquire the new skills required for these new activities and services;
- offering a new service to the University through the VRE for research and administrative groups;
- enabling partnerships inside and outside the Library. Staff from various library units are involved in the different projects; the Library has forged an expanded collaborative role with other campus departments through the VRE service;
- enabling partnerships with local community groups and institutions to spearhead digital projects of local significance;
- inviting participation by community members to contribute to specific collections such as IslandLives;
- helping UPEI move into the forefront of cyberinfrastructure development in Canada;
- enabling an international community of cultural and educational institutions to collaborate around best-practice digital stewardship software;
- stimulating entrepreneurial development around an open source ecosystem.
The University of Prince Edward Island has an enrollment of 4100 FTE and 300 faculty and offers programs in Arts, Sciences, Business, Education, Nursing, and Veterinary Medicine. UPEI has experienced a rapid growth in research over the past several years and has expanded its graduate programs of study. Robertson Library has a staff of 28 employees of which 8 are librarians, 2 systems support staff, 2 developers (and 2 additional developers and various external contractors supported by research funds), 1 digitization staff member, and 15 library technicians. Mark Leggott, the University Librarian, has spent considerable time envisioning the project and the services that would flow from it, working with library staff, faculty members, university administration, external collaborators, and potential funders. While 4 staff are focused on development and support, librarians at UPEI take an active role in the management and direction of the service and have played key roles in the development of IslandScholar, IslandLives, and many of the VREs used by researchers.

3. Listing of publications or references, if any, by the nominee that support this nomination.

Conference Presentations


**Scholarly articles that mention Islandora**


4. Letters of support and/or testimonials may be submitted by readers/users, other research libraries, and others.