Research 2.0

Mark Leggott, University of PEI
Open Repositories 09
Question 11

How much money do you have?
UPEI

- PEI has population of 140,000
- Small Liberal Arts, 4500 students
- Undergrad, MS, PhD, Vet, MBA
- Increase in research budget $2.5 to almost $20 million in 10 years
- Increasing federal/provincial $ for research and development
Robertson Library

- Staff of 28, 5 systems/dev staff (from 1), 4-6 contract developers
- Status quo budgets
- Digitize Island’s cultural heritage
- Leverage research $$ to pay for infrastructure
- Virtual Research Environment (VRE) created to build capacity
Building on Strength

- 2008 UPEI Strategic Research Plan
- Library/VRE key part of stated goals
  - VRE for all research groups
  - VRE steward all campus scholarly output
- Provide support for Open Access
- Research grants provide 95% of funding
Research Model

Conceptualising
- E-mails, letters
- Literature reviews

Initialising
- Grant applications, meeting minutes

Analysis
- Presentations, conferences, seminars

Formalising
- Journal articles, books, curricula content, policy

Popularising
- Popular literature, newspapers, practice

Value
- Teaching/research
- Numeracy
- Informed public

Initial Results
- Grant reports, technical reports, thesis

Islandora
Client Model

Any UPEI research group can request VRE - no fees for basic setup

Customizations that fit in roadmap/core are done at no cost, but in sequence

Dev work moved up if researcher covers costs of development - contracted

All efforts generalized where possible to ensure leveraging research $$
KEY: Repository is Hidden, User logs in to Research Space
Researchers add VRE $$ to proposals

HW $$ go to central blade/SAN servers and resources utilized for all VREs

Current HW - IBM/Dell/Apple+Sun plan

Local cluster available on request

VM use increasing
Drupal/Fedora module + additional Islandora components

Drupal front-end, collab layer, editing

Fedora data assets, metadata, policies

Assume SW migration eventually

Fedora’s architecture key to strategy - agnostic re what domain supported
VREs

- Currently over 50 VREs
- 30 in active use at various levels
- Current focus on bioscience, but others
  - Social Sciences - CSHR, CMTC, AIRS
  - Humanities - MPRG, CCC, IS
  - Sciences - MHL, MQM, ITL, CVER
Current Best-Practice VRE
Research on marine sources of pharma/nutri-ceuticals
Incorporates lab research models
Clients have developed rich Drupal functionality (post-grad F. Berrue)
All special features fit other VREs
The Marine Natural Products Group at the University of Prince Edward Island is engaged in projects directed at the development of sustainable production methods of bioactive marine metabolites and discovering new bioactive bioproducts. The latter group includes metabolites with activities in assays of relevance to human and animal health, and with activity as antifouling agents.
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Digital Repository

Key035:

- MNPL Critter Record

Key035

Taxonomy

- Type: Sponge
- Phylum: Porifera
- SubPhylum:
- Class:
- Order:
- Family:
- Genus:
- Species:

Collection Location

- Date Collected: 20070615
- Site Name: Mangrove area North Point of Summerland Key
- Country: US
- Region: Mote Marine Lab (Summerland Key)
- Latitude:
- Longitude:
- Depth: 2 Feet

Lab

- Study Status:
- Notes:

Edit This Specimen
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<th>Weight</th>
<th>PTP1B</th>
<th>HCT116</th>
<th>HEla</th>
<th>PC3</th>
<th>ARE</th>
<th>Antiproliferative</th>
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</tbody>
</table>
Ingest Object

Add a New Fraction

Plate:
Plate associated with this fraction.

Weight:

PTP1B:
- No Assay
- Strong
- Medium
- Low
- Inactive

PTP1B Comments:

HCT116:
- No Assay
- Strong
- Medium
- Low
- Inactive

HCT116 Comments:

HELA:

Repository Advanced Search:
- specimen.type
- and
- specimen.type

Who's online
There are currently 1 user and 0 guests online.

Online users
- plux

Recent blog posts
- Governor General's Medal-Saskia Hart
- Diterpenes from gorgonian corals
- A New Prokaryotic Farnesyl-diphosphate Synthase from the Octocoral Eunicella Fusca...
- Lipidyl Pseudopteranes A-F: Isolation, Biomimetic Synthesis, and PTP1B Inhibitory Activity...
- IUPAC International Conference -2008
- Unigen- UPEI Kerr Lab Collaboration

Done

Kerr Research Group
- Russell Kerr
- Research Environment
- Current Projects
- Lab Members
- Field Work
- Publications
- Sponsorship

Lab Member Content
- Macro Drug Discovery
- NMR library
- Lab Projects
- Lab Tools
- Ordering
- E-mail mmpl group

MNPL Repository
Specimens
- Algae
- Corals
- Cyanobacteria
- Invertebrates
- Sponges
- Tunicates
- Unclassified
2007 Dive Season (Keys)
2008 Dive Season (SS)
Fractions
Compounds
### Detailed List of Content

**Belongs to These Collections:**
- MNPL Dive Collection - Key
- MNPL Specimens Collection
- Sponge Collection

#### Fedora Object-to-Object Relationship Metadata
- View
- Download
- text/xml

- photo (jpg), 1 of 2: Key035: sponge
  - View
  - Download
  - image/jpeg

- photo (jpg), 2 of 2: Key035: sponge
  - View
  - Download
  - image/gif

- TN
  - View
  - Download
  - image/gif

- PRE
  - View
  - Download
  - image/gif

- Critter Record
  - View
  - Download
  - text/xml

- Qualified Dublin Core Record
  - View
  - Download
  - text/xml

- Security Policy
  - View
  - Download
  - text/xml

### Add Datastream:

**Datastream ID:**
- CRITTERS

**A Human readable label:**

**Upload Document:**

- The file to upload.

**Add Datastream**
Other Examples

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Call for Proposals for 2010 Conference

L. M. Montgomery and the Matter of Nature
9th International Conference
University of Prince Edward Island
June 23-27, 2010

In 2010 we invite you to consider L. M. Montgomery and the matter of nature. While multiple romanticisms have informed L. M. Montgomery’s passionate views of nature her descriptions were complex as she wrote both of and for nature. What are the effects of the representations and images of nature that are crafted and circulated in the fiction of Montgomery, and in that of other writers of literature (especially for children and youth)? How do her narrations of nature shape children and adults within and across cultures? How do particular constructions of nature work in fiction, across such differences as gender, race, culture and class? What are the cultural and historical contingencies surrounding nature in Montgomery’s work?

By aliciam at 05/07/2009 - 15:59 | aliciam’s blog | Add new comment | Read more

2009 Avery Scholarship

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Other Examples
Other Examples

Invasive Tunicates Lab

Main Menu
- About
- Discussion Forums
- DNA Bank
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- Images
- Lab Protocols
- Lab Publications
- Tunicate Refshare
- Bibliography

Recent blog posts
- Aquatic Invasions
  Publication on Tunicates
- My sister is a sea squirt
- Developmental Dynamics issue on Ciona intestinalis
- Congratulations on Recent Publication
  more

International Tunicate DNA Bank

The International Tunicate DNA Bank was created to facilitate the efficient access of tunicate DNA for researchers throughout the world. This access is crucial, since tunicates are spreading on a global level. We need your help to allow our collection to grow. Please see the attached brochure if you are interested in collecting samples for the ITDNAB or if you are interested in receiving DNA samples from our collection. The collection can be browsed by species from the link on the left side of this website.
  » Read more

About Our Lab

Our laboratory is researching various aspects of shellfish health and production management. Projects currently underway include disease outbreak investigation, risk factor analysis, invasive species mitigation and monitoring, and mollusk health. Primarily, our research focuses on animals including oysters, mussels, and invasive tunicates.
Other Examples

A project to preserve the community history of P.E.I.

Made possible through a generous private donation, IslandLives contains community and church histories and it builds on the Robertson Library's mission to preserve and share unique material relating to Prince Edward Island and demonstrates UPEI's ongoing commitment to making PEI's cultural and published heritage available to all. Welcome.

Tag this Image

today's profile

Explore By
- Title
- Place Name
- Surname
- Subject

IslandLives Desk
- An Interview with Bill and Elizabeth Glen
- How to search for images in IslandLives

Latest Additions
- Stanhope: Sands of time
- Bunbury: Notes on a Community
- The History of Lower

Making History
Are you an author who's Island community history doesn't appear in IslandLives? Would you like
Other Examples

Island Studies is the global, comparative and inter-disciplinary study of islands on their own terms. This site is a key electronic depository of research material which supports the study of islands. It is meant to facilitate international, regional, national and local scholarship in all branches of island knowledge.

The site is managed by Dr Godfrey Baldacchino, Canada Research Chair (Island Studies) at the University of Prince Edward Island (UPEI). The infrastructure and content development of the site has been made possible thanks to the support of the Canada Foundation for Innovation (CFI) and the Social Sciences & Humanities Research Council of Canada (SSHRC).

It includes links to ongoing research projects moderated by Dr Baldacchino, including:

- **Bridge Effects** - the impact of bridges and other fixed links on islands when islands are thus connected to mainlands.
- **Jurisdiction Project** - an exercise profiling the specific economic and political capacities of the world’s 100-plus, sub-national, island jurisdictions.
- **Cold Water Island Tourism** - the character of tourism in the world’s most extreme island locations.
- **Islands and Small Businesses** - lessons from small-scale, export-driven, locally owned, manufacturing firms from 5 European Island Regions.
- **A World of Islands** - a pan-disciplinary celebration of what island studies has to offer - intended as the first global reader on the study of islands.

*Island Studies Journal* - a peer reviewed, electronic, open access, freely downloadable, academic journal. ISJ 1(1) and 1(2) appeared in May and November 2006. ISJ 3(2) is the latest issue published. ISJ 4(1) will appear in May 2009.
Other Examples

Marxism & Psychology Research Group (MPRG)

About

Welcome to the Marxism and Psychology Research Group (MPRG). This group is designed to promote interdisciplinary research at the intersection of Marxism and Psychology. Ultimately, we hope this site will bring scholars together to address some of the most important social issues facing modern society.

If you would like to bring attention to an upcoming conference or recent publication related to the theme of this group, please contact the site administrator. You may also want to post this information on the forum section of this site.

Feel free to look around. If any of your questions are not answered in the FAQ section, please don’t hesitate to contact the site administrator.

This site was developed by Dr. Michael Arfken of the University of Prince Edward Island.

Contact MPRG

Navigation

- Categories
- Groups

Login Block

Username:
Password:

- Log in
- Create new account
- Request new password

Printer-friendly version
Next Steps

- CFI/Other for increased infrastructure
- Use of cloud for additional capacity
- Integration with workflow systems like Taverna/UGENE/Kepler
- More enhanced security/encryption
- Extended community using Islandora
DiscoverySpace

- Project to create partnerships with HW vendors (Sun = lead partner)
- Provide range of products/services
  - Islandora maintenance/installation services
  - service/development contracts
  - pre-configured hardware to spec
- Additional development resources
RIRI

- July 20-24
- Charlottetown, PEI
- Wilper, Staples, Zumwalt