

WORLDWIDE BIOSPHERE RESERVE BIBLIOGRAPHY PROJECT

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INVOLVEMENT

Initiated by Dr. Martin Price

Idea to build a communal bibliography of research happening across all biosphere reserves

- Researchers
- Topics
- Trends
- Gaps

VANCOUVER ISLAND UNIVERSITY

- Hand over of data to VIU
 - MABRRI summer students started to add to this
 - 2 Graduate students then contributed another 200 hours to the project
- = +500 hours of student work







SEARCH METHODS

- Started with EuroMAB Biosphere Reserves
- Name of the BR
- Name of the BR + “Biosphere reserve”
- Name of the BR + “Biosphere”
- Name of the BR
 - + biodiversity
 - + conservation
 - + ecosystem
 - + climate

DATA ORGANIZATION

All entries included:

- Country
- Name of affiliated biosphere reserve
- Title of article
- Author(s)
- Date of publication
- Keywords
- APA Citation
- Academic or grey literature

	C	D	E	F	H	I	J	K
33								
34	Clayoquot Sound	Understanding Community Capacity Using Adaptive and Reflexive Research Practices: Lessons From Two Canadian Biosphere Reserves	Shamaleene Mendis-Millard & Maureen G. Reed	2007	Adaptive Research, community-based research, community capacity, focus groups	Mendis-Millard, S., & Reed, M. G. (2007). Understanding community capacity using adaptive and reflexive research practices: lessons from two Canadian biosphere reserves. <i>Society and Natural Resources</i> , 20(6), 543-559.	Journal Article	Academic
35	Clayoquot Sound	Collection of good practice case studies in Canadian biosphere reserves	Bouchard, V., Clavette, M., Godmaire, H., Porier, G.	2012	good practices, case studies	Bouchard, V., Clavette, M., Godmaire, H., Porier, G. (2012). Collection of good practice case studies in Canadian	Report	Grey
36	Clayoquot Sound	Uneven environmental management: A Canadian perspective	Maureen G. Reed	2007	Political ecology, Rural communities, Environmental management	Reed, M. G. (2007). Uneven environmental management: A Canadian perspective. <i>Environmental Management</i> , 39(1), 30-49.	Journal Article	Academic
37	Clayoquot Sound	A Civic Sort-of Science: Addressing environmental managerialism in Canadian biosphere reserves	Maureen G. Reed	2009	civic science, environmental management, conservation	Reed, M. G. (2009). A Civic Sort-of Science: Addressing environmental managerialism in Canadian biosphere reserves. <i>Environments</i> , 36(3), 17.	Journal Article	Academic
38	Clayoquot Sound	Optical measurements of backscatter and absorption for characterizing water column structure and spatial pattern of coastal ocean color	Leon M. Delwiche, Miles G. Logsdon	2005	optical testing, physical oceanography, remote sensing	Delwiche, L. M., & Logsdon, M. G. (2005, August). Optical measurements of backscatter and absorption for characterizing water column structure and spatial pattern of coastal ocean color. In <i>Optics & Photonics 2005</i> (pp. 58850A-58850A). International Society for Optics and Photonics.	Journal Article	Academic
39	Clayoquot Sound	Embracing Ecological Learning and Social Learning: UNESCO Biosphere Reserves as Exemplars of Changing Conservation Practices	Maureen G Reed, Marie MM Massie	2013	conservation, sustainability, sustainable development,	Reed, M. G., & Massie, M. M. (2013). Embracing Ecological Learning and Social Learning: UNESCO Biosphere Reserves as Exemplars of Changing Conservation	Journal Article	
40	Clayoquot Sound	Eelgrass and fish assemblage properties as indicators of biotic integrity in the Clayoquot Sound Biosphere Reserve	C. Robinson and J. Yakimishyn	2012	eelgrass, fish diversity, biotic integrity	Robinson, C., & Yakimishyn, J. (2012). Eelgrass and fish assemblage properties as indicators of biotic integrity in the Clayoquot Sound Biosphere Reserve.	Report	Grey
41	Clayoquot Sound	Modeling change : a case study comparison of biosphere reserve governance in Canada and the United Kingdom	Elizabeth Boychuk	2013	climate change	Boychuk, E. (2013). Modeling change: a case study comparison of biosphere reserve governance in Canada and the United Kingdom (Doctoral dissertation, ROYAL ROADS UNIVERSITY).	Thesis Paper	Academic
42	Clayoquot Sound	Governance Matters! – Part III	George Francis	2011	governance	Francis, G. (2011). Governance Matters! Part 3.	Research Paper	Grey
		SOUND GOVERNANCE: The emergence of collaborative networks and new				Dobell, R., & Bunton, M. (2001). SOUND GOVERNANCE: The emergence of		

NATIONS SO FAR...

- Austria, Bulgaria, Czech Republic, Finland, France, Germany, Greece, Israel, Italy, Latvia, Poland, Romania, Russia, Serbia, Slovakia, Spain, Sweden, Switzerland, and Ukraine
- Additional search parameters added for Canada, USA, Ireland, and UK

ISSUES

1. Language on websites
2. Having different researchers – had to ensure rigour in data collection
3. Lots of articles contain the search terms but are not “biosphere reserve” related articles
4. Term “biosphere” is used a lot
5. Time lag in publishing – may not be current issues

WHERE THE PROJECT IS NOW

- Searched “thousands and thousands” of articles
- Over 1121 articles found and inventoried so far



TRENDS IN ARTICLE TOPICS

#1 - Conservation



TRENDS IN ARTICLE TOPICS

#2 - Biodiversity



TRENDS IN ARTICLE TOPICS

#3 - Ecosystem



TRENDS IN ARTICLE TOPICS

#4 – Climate



TRENDS – WATER KEYWORDS

Word	Cells containing keyword in bibliography
water	170
river	96
marine	52
watershed	49
aquatic	33
ocean	22
groundwater	8
estuary	8



TRENDS – ALPINE KEYWORDS

Word	Cells containing keyword in bibliography
alpine	16
snow	8



TRENDS – URBAN ISSUES

KEYWORDS

Word	Cells containing keyword
Management	387
Policy	83
Land use	61
Urban	59
Population	41
Pollution	39
Power	16
Energy	14
Zoning	6



TRENDS – OTHER KEYWORDS



GOING FORWARD

- Other networks?
- Who is publishing? Many!
- Where to publish – all sorts of journals are being used for publishing on biosphere reserves
- Proposal...

An aerial photograph of a vast landscape. The foreground is dominated by a wetland area with a complex network of dark, winding water channels and patches of green and brown vegetation. Behind the wetland is a dense, continuous forest of tall, green trees. In the far distance, a range of blue mountains stretches across the horizon under a bright blue sky with scattered white clouds.

Journal of Biosphere Reserve Research

Viewscape Publishing
First Edition being published Summer 2016

THANK YOU!

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