

FREE WEBINAR
HISTORICAL ECOLOGY FOR RISK MANAGEMENT: YOUTH SUSTAINABILITY

Provided by: The Canadian Risk and Hazard Network in partnership with Arctic Observing Network and Applied Research in Environmental Sciences Nonprofit, Inc.

Presenter: Dr. Anne Garland

Session Moderator: Mr. David A. Diabo

Time: October 22, 2014, 2:00-3:00 pm EDT

Get Connected: For details on connecting to the webinar contact - awhgarland@yahoo.com

Archived Webinar Public URL: <https://webcasts.welcome2theshow.com/aries2014>

The ADMINISTRATIVE URL is ONLY FOR THE CLIENTS USE. THIS IS NOT TO BE SHARED TO THE PUBLIC

If you have any further questions please let me know.

Steve Zappulla

Technical Services Manager

Freeman Audio Visual Canada | Eaton Chelsea Hotel

33 Gerrard St. West | Toronto, ON M5G 1Z4

Steve.Zappulla@Freemanco.com

T 416-595-1975 Ext. 2701 | F 905-366-0274 | C 416-505-0169 | www.Freemanav-ca.com

Session Details:

The Canadian Risk and Hazard Network holds an annual conference each year. This year the event is being held in Toronto, Canada. As part of this conference David Diabo (Assembly of First Nations) and Brenda Murphy (Wilfrid Laurier University) are running a series of five special sessions called: *Promoting Aboriginal Resilience: Sharing Knowledge to Increase Disaster Risk Reduction*. In the first session we are partnering with the Arctic Observing Network and Applied Research in Environmental Sciences Nonprofit, Inc. to offer a webinar of the first presentation (see details below). This will be a one hour presentation starting at 2 pm on Wednesday October 22. The presentation includes a half hour question and answer session. This is a free session and we hope you can join us!

Presentations Details:

Arctic Observing Network Observing, Management, and Governance Discussions

Arctic Observing Network (AON), <http://www.arcus.org/search-program/aon>, is seeking discussions and input for long term observing, management, and governance. ARIES (Applied Research in Environmental Sciences Nonprofit, Inc.) was granted a long term observing discussion award to discuss the following queries in relation to Risk and Disaster Management across multiple jurisdictions, <http://www.arcus.org/search-program/aon/discussion-funding-form>. This webinar is provided through the AON funding. After the presentation, your input is requested during the webinar Q&A and the HERMYS Forum at www.arctichub.net.

See below the 3 queries ARIES selected for the Arctic Observing Network discussions. While the AON queries are not necessarily about risks and hazards, ARIES selected three that are relevant to risk and disaster management, that is,

1. more applied research with local communities to assist operations, regulations, and management,
2. interdisciplinary research across social and natural sciences, and
3. integration across jurisdictions (interagency and regional partnerships).

Question(s) to discuss (maximum of three questions):

- > - 16. Are the priorities for research networks different from
- > those for operational, community, regulatory, and management
- > observing systems? Can the two be resolved or shared? Should they
- > be?
- > - 23. How do we bridge the gap in funding between social
- > science and natural science observations and observing networks?
- > - 34. How to best employ interagency and regional partnerships?
- > What role should regional centers play in directing observing
- > activity?

ARIES and its North Slope Borough partners are developing and implementing the following Historical Ecology Model for Risk Management. During the CRHNet Aboriginal Session and this webinar, an overview of HERMYS is provided (see the HERMYS abstract below). Its goals address all of these discussion queries. However, we hope that this webinar can provide a support network and other suggestions from Canadian Arctic Risk and Disaster Management. The North Slope Borough Risk Management is hoping to network with other Arctic communities to address these queries. They want to develop a support network with their nearest neighbors for comparisons and to integrate risk management. For further discussions, support and networks, please see and participate in the HERMYS Forum at the ArcticHub, www.arctichub.net. For access to the HERMYS Forum, please join the *Risk and Resilient Management* Group.

Title: Historical Ecology for Risk Management: Youth Sustainability (HERMYS)

Presenter: Anne Garland, ARIES

Applied Research in Environmental Sciences Nonprofit, Inc., ARIES, the Barrow Arctic Science Consortium, BASC, the North Slope Borough Risk Management, Tuzzy Consortia Library, and Cooperative Extension of Ilisgavik College are collaborating to plan, develop and implement a historical ecology model for the North Slope Coastal Region of Alaska. Historical ecology is an applied research program that focuses on interactions of people and their environments. Research applications involve studying and understanding this relationship in both time and space to gain a full picture of all of its accumulated effects. The research program can be applied to understanding changes among community landscapes that can assist strategies for the future. For this proposal the emphases align with the ARIES mission of research, education and community engagement, the Inupiaq Learning Framework of the North Slope School District (<http://www.nsbds.org/domain/44>), and the eco-heritage indicator of the CRIOS model

(Cumulative Regional Integrated Operability Scores). Read more at the project website <http://www.ariesnonprofit.com/ARIESprojects.php>.

The project emphases are 1) a bibliographic database of relevant historical resources, 2) an examination of the shoreline to provide a long time-series baseline, 3) simulation models to demonstrate socio-natural cycles of change for the North Slope shoreline, 4) the historical ecology study of the shoreline, interactive mapping and database available as a web based resource to assist academia, industry, regional government and local communities for socio-natural risk management (e.g., Barrow Area Information Database, <http://www.baid.utep.edu/>), 5) an integrated team of researchers, corporations, community planners, and Risk Management of the North Slope Borough to extract data and provide simulation models that apply to current studies and hazards of the region, especially mitigation tools for community decisions, and 6) provide a variety of eco-heritage opportunities that include community participation in research, educational products, age level appropriate activities and outreaches for community service learning, such as Teen CERT for the Next Generations, <http://www.fema.gov/community-emergency-response-teams/teen-community-emergency-response-team> and PolarTREC <http://www.polartrec.com/expeditions/historical-ecology-for-risk-management-2014>