

Update on other One Health Activities in the Arctic

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3 Topics

- Arctic Council
- International Union for Circumpolar Health
- Interagency Arctic Research Policy Committee (IARPC)

1. Arctic Council Initiative

- Promote a “One Health” Approach in Arctic Health
- Objectives
- Develop a strategy for a “One Health” approach to address climate-related changes to human health in the Circumpolar Arctic
- Enhance a circumpolar network of One Health stakeholders.
- Coordinated by the Arctic Human Health Experts Group

ONE HEALTH



The One Health concept recognizes the interrelationship between animal, human and environmental health.



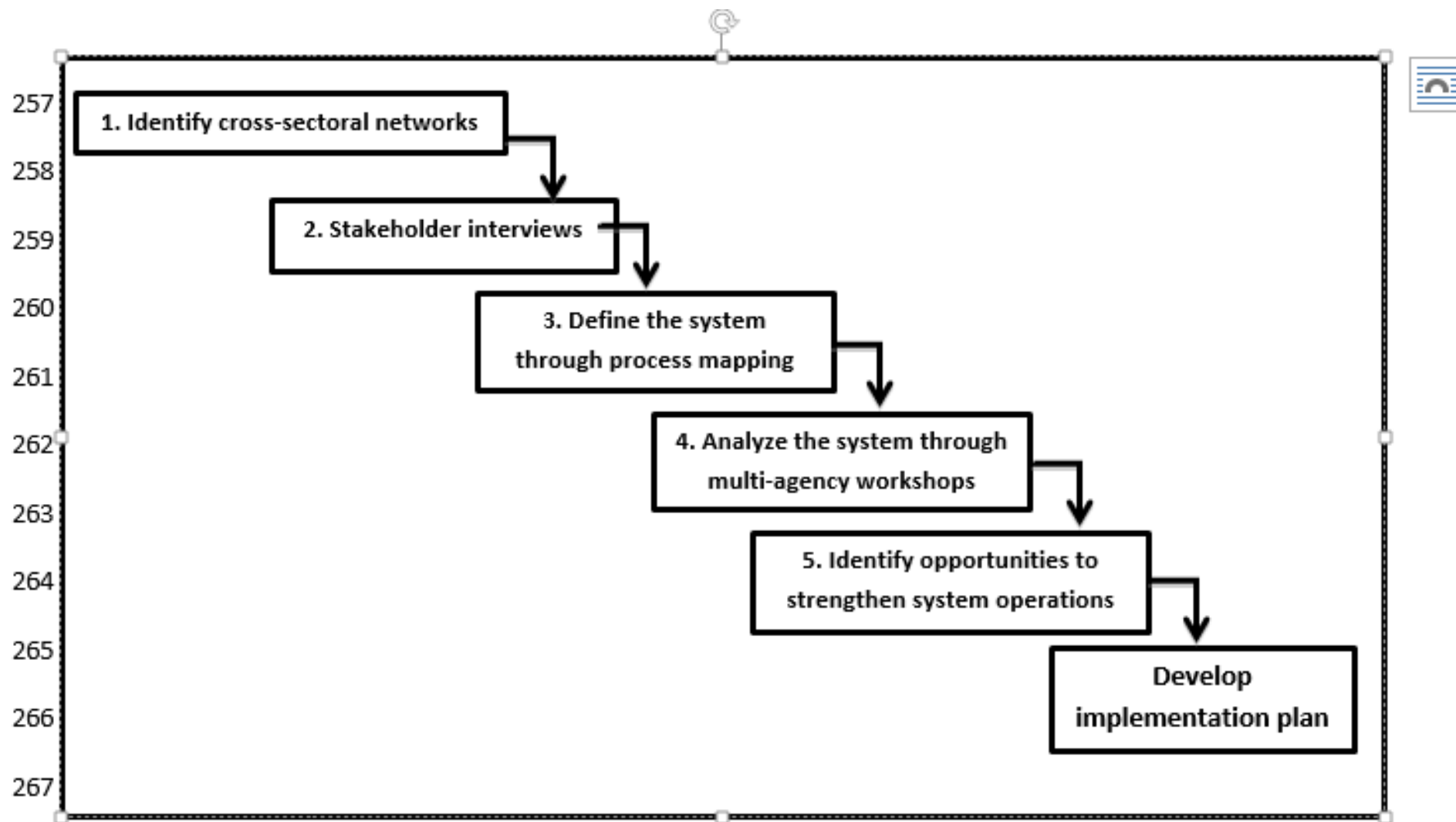
Health Concerns Where a One Health Approach could be used:

-Animal-to-Human Infectious Diseases.

-Environmental Contaminants, Wildlife health and Subsistence foods.

One Health Activities

- One Health Session at International Congress on Circumpolar Health
 - Oulu, Finland June 9, 2015
- Manuscript: *“The Arctic – A One Health Imperative”*
 - Bruce Ruscio, Josh Glasser US Dept of State
 - Mike Brubaker, Will Hueston, Tom Hennessy
- International J of Circumpolar Health



268 Figure1. Adapted from *One Health Systems Mapping and Analysis Resource Tool Kit*

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- **One Health Workgroup Meeting**
 - **October 20, 2015**
 - In association with Senior Arctic Officials meeting
 - **Denaina Center**

One Health Next Steps, Options

- Collect information about existing One Health programs and projects
 - Use for education, advertisement in Arctic populations
 - Catalog of activities
 - Compare results, share best practices
- Analysis of One Health activities in Arctic
 - “Mapping” intersectoral networks and stakeholders
 - Identify ways to strengthen systems
- Create, endorse or fund a new project or projects
 - Collaboration with AMAP, IUCH or other partner?

2. International Union for Circumpolar Health

- Links national or regional circumpolar health groups
- Multi-disciplinary, wide range of topics
- Activities
 - National orgs: American Society for Circumpolar Health
 - Int'l Congress every 3 years
 - Next Copenhagen, 2018
 - International Journal for Circumpolar Health
 - Networks and working groups
 - Infectious Diseases WG

IUCH Infectious Disease WG

- Surveillance and research groups
 - Intl Circumpolar Surveillance, Viral Hepatitis, H. pylori, TB,
- Climate Change and Infectious Diseases
 - 2 Regional Meetings
 - Fairbanks, 2010
 - *Zoonotic infections in Alaska: disease prevalence, potential impact of climate change and recommended actions for earlier disease detection, research, prevention and control*
 - K. Hueffer, et al., IJCH 2013, 72: 19562
 - Copenhagen. Sept 2011
 - *Climate change and infectious diseases in the Arctic: establishment of a circumpolar working group,*
 - Parkinson, et al., IJCH, 2014, 73:25163

Climate and Infectious Diseases WG

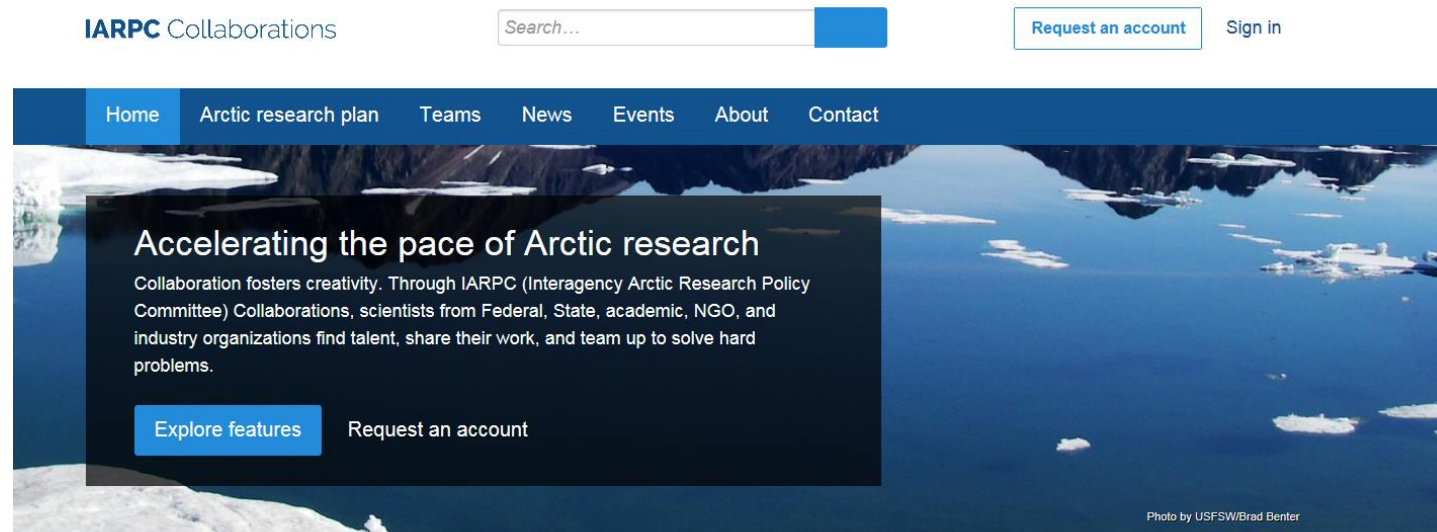
- Next project: Compare surveillance for climate-sensitive zoonoses across Arctic region
 - Survey of diseases notifiable to public health
 - Human and animal
 - Summarize data and trends
 - Compare and contrast
 - Best practices
 - Report for publication

3. IARPC Human Health Team

- Interagency Arctic Research Policy Committee
- Arctic Research Plan
 - Human Health
 - Continue and expand circumpolar surveillance of and research on infectious and non-communicable diseases, trauma, and injuries
 - Continue interagency collaboration to monitor the impacts of climate change and environmental contaminants on human health
 - Continue to support investigator-initiated research in major health-priority areas
 - Continue to engage indigenous communities and tribal groups in research activities and projects in the Arctic

Website

<http://www.iarpccollaborations.org/index.html>



Latest news

Study of Environmental Arctic Change (SEARCH) Announces New Executive Director

August 21, 2015

The Science Steering Committee (SSC) of the Study of Environmental Arctic Change (SEARCH) program announced today the selection of Brendan Kelly, PhD as its new Executive Director. Dr. Kelly will assume the duties of his new role on 21 September 2015. [Continue »](#)

Webinar archive

- Jun 26 [Joint Atmosphere and Sea Ice Collaboration Team Meeting with a Presentation by Ed Dlugokencky on Observations of Arctic Methane](#)
3-4 pm Eastern Daylight Time
- Jun 25 [Modeling Collaboration Team Meeting with a Presentation on Improving Arctic Forecasts: The Role of Reanalysis by Tom Wagner \(NASA\)](#)
3-4 pm Eastern Daylight Time



Human Health collaboration team

Understanding factors that affect human health in the Arctic

All topics

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Proposal Assistance Available

Researchers planning to include a support letter and estimate for logistics support from CH2M HILL Polar Services (CPS) in their proposals under the current National Science Foundation (NSF) Arctic...

Aug 24, 2015 by Kip Rithner - Topics Federal Funding Opportunity, Arctic Research Support & Logistics, National Science Foundation (NSF), undefined and 1 more



Announcement: Workshop on Best Practices for Community Based Observing Networks and Systems

[Post update](#)

[Upload document](#)

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Upcoming events

TODAY [The Alaskan Arctic: A Summit on Aug 23 Shipping and Ports](#)

[More upcoming events »](#)

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Leader



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Events

[Agenda](#) [Monthly](#)

You can schedule, or sign up to attend, an event; post relevant comments, links, or documents; receive email reminders; and read meeting minutes. Highlighted events are more likely to address your interests.

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TEAM

Human Health

You registered to attend

[Events that may interest you](#)

View past events (30)

TODAY Aug 23-25	The Alaskan Arctic: A Summit on Shipping and Ports	I will attend
TODAY Aug 24	One Health Group Quarterly Meeting / Meeting of the Human Health CT 3-5 pm Alaskan Daylight Time	I will attend
Aug 26	IARPC Collaborations Website Tutorial for Association of Polar Early Career Scientists (APECS) Members 11 am-12 pm Alaskan Daylight Time	I will attend

Schedule event

...and include related agenda, presenter bios, documents, links, phone and web connection info, and more. After the event you can post the minutes.

[Schedule event](#)

August 2015

S	M	T	W	T	F	S
26	27	28	29	30	31	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Health Milestones

3.7.2

3.7.2.a Conduct community health assessments and initiate training and deployment of monitoring technology. Develop a web-based monitoring network and village adaptation strategies, and establish the monitoring database. Conduct statistical analysis of laboratory specimens and share data with agencies and jurisdictions. Provide feedback to tribal leaders and tribes and tribal organizations. Continue planning with interested agencies to develop support for ongoing monitoring and extension to interested communities in Alaska. Disseminate program results to other circumpolar communities and affected communities in the lower 48 states (IHS; EPA, DOI FY2015)

Agency: DOI, EPA, HHS Target year: 2015 Team: Human Health Lead contact: Alan Parkinson Last update: Dec 17, 2014

3.7.2.b Develop, deploy, and assess a surveillance and response Toolkit for Alaska to promote community based adaptation planning for climate change. Deliverables will include training protocols, a web portal, a surveillance dataset organized by region, adaptation and mitigation recommendations, and reports/manuscripts for peer-reviewed publication

Agency: HHS Target year: 2014 Team: Human Health Lead contact: Alan Parkinson Last update: Dec 17, 2014

3.7.2.c Recruit a cohort of 200 Alaska Native women for collection of blood samples, patient interview, and medical-chart information. Collect and chemically analyze salmon tissue samples

Agency: HHS Target year: 2015 Team: Human Health Lead contact: Alan Parkinson Last update: Dec 17, 2014

3.7.2.d Conduct surveillance evaluations and sero-prevalence studies on humans and wildlife for potentially climate-sensitive infectious diseases such as those caused by brucella, trichinella, echinococcus, toxoplasma, francisella, giardia, and cryptosporidium species

Agency: HHS Target year: 2015 Team: Human Health Lead contact: Alan Parkinson Last update: Dec 17, 2014

3.7.2.e Implement a NOAA-CDC memorandum of agreement for environmental and public health impacts providing exchange of scientific expertise and resources in the areas of climate, weather, water, and environmental, oceanographic, and atmospheric health as it relates to public health

Agency: DOI, EPA, HHS Target year: 2015 Team: Human Health Lead contact: Alan Parkinson Last update: Oct 8, 2014

- Please visit the website, join the Health Team
- Use this to network and share events, publications, activities