How to Assess Food Security from an Inuit Perspective: Building a Conceptual Framework on How to Assess Food Security in the Alaskan Arctic

Presented by: Carolina Behe
Interagency Arctic Research Policy Committee
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• Inuit Circumpolar Council (ICC)
• Life in the Arctic
• What is Food Security
• Why An Assessment Tool is Needed
• Methodology
• Sharing the Framework
ICC’s International Engagements

• Conservation of Arctic Flora and Fauna
• Task Force on Oil Spill Response
• Inuit Health
• Commission on Human Rights
• Mercury Expert Group
• POPS Expert Group
• RAMSAR
• WIPO
• Sustainable Development Working Group
• UNFCC

• Protection of Arctic Marine Ecosystem
• Convention on Biological Diversity
• International Whaling Commission
• UNEP (incl. INC)
• CITIES
What We Work On

- Food security
- Language
- Human and indigenous peoples’ rights
- Environment
- Climate Change
- Contaminants
- Sustainability
- Biodiversity
- Culture and Language
- Resource Development
- Arctic Sovereignty
- Health
COMMUNITY CONCERNS

- TEMPERATURES & ICE COVERAGE
- INDUSTRY ACTIVITY
- SPECIES DISTRIBUTION AND ABUNDANCE
- EROSION RATES AND STORM SURGES
- SPECIES WELLNESS
- TOXICITY LEVELS
- CULTURAL RELATIONSHIP WITH THE ENVIRONMENT
What is Food Security?

Accessibility
Utilization
Food Security

By: Mary Sage

By: Jackie Cleveland

By: Ronald Brower
How to Evaluate Arctic Food Security

- Draw Together Multiple Sources of Knowledge
- Incorporate The Human Dimension
- Increase Understanding of the Arctic
• Define Food Security
• Identify Food Security And Insecurity Drivers
• Identify Monitoring Methods Within Traditional Knowledge
• Provide A Tool To Assess Food Security
Methodology

- Advisory Committee
- Community Involvement
- Meeting With Experts
- Regional Workshops/ Evaluation And Validation
- Review
Food Security = Environmental Health
DRIVERS OF FOOD IN/SECURITY
- Health of wildlife (determined by multiple factors – all considered indicators of overall health, i.e. live texture and color)
- Mental health
- Access
- Economics-“cash/subsistence economy”
- Language
- Transfer of knowledge
- Loss of sea ice
- Change in sea ice
- Erosion
- Sharing systems
- Variety
- User conflict
- Adaptation
- Research methods
- Change in food web dynamics
- Processing and storing of food
- Change in temperatures
- Change in precipitation
- Tourism
- Development
- Decision making power
- Pollution
- Burden of conservation
- Rate of change
- Mixed diet
- Waste / water system
- Change in food storage
- New species
- Cultural/Self identity
- Dance / Feast
- Habitat: where animals eat; reproduce; find refuge; and reproduce
- Noise
- Storm surges
- Respect of animals
- Change in river ice
- Climate change (i.e. storm surges, changes in temperature)
- Change in sharing/giving
- Respect
Identify Methods Within Traditional Knowledge Of Monitoring Identified Drivers
Finished Product
WHAT FOOD SECURITY IS ... WHAT IMPACTS FOOD SECURITY

NUTRITION * HEALTH * CLOTHING

CULTURE * EDUCATION * SPIRITUALITY

LANGUAGE * HUNTING/FISHING * TOURISM

SEASONAL CHANGE/CYCLE * PERMA FROST

FOOD STORAGE * PLANTS * WATER * ACCESSIBILITY

ECONOMICS * CHANGE IN HUNTING STRATEGIES * FUEL

ENVIRONMENTAL CONNECTION * SHIPPING * WASTE DISPOSAL

COMMUNITY SHARING * WEATHER FORCASTING * CHANGE IN ANIMALS

CHANGE IN PLANTS * HEALTH OF PLANTS AND ANIMALS

AND MUCH MORE...
Quyanaq, Quyana, Taikuu

www.iccalaska.org
References


http://www.grida.no/graphicslib/detail/arctic-conservation-area-caff-topographic-map-aba-version-2010_6cb5#

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