

An initiative of the Coalition of Museums for Climate Justice

Museum Educators for Climate Justice *A Peer-Learning Circle*



Photo:
John R
Southern

Douglas Worts

WorldViews Consulting

held at the AGO, Toronto

Jan 22, 2017

AGENDA

- 9:00 – Registration
- 9:30 – Welcome and Introductions...
 - ...to: a) Coalition; b) the session; c) each other
- 10:00 – Bob Janes – Welcome (Skype)
 - Vision, Objectives and Framing of CC
- 10:55 – BREAK
 - Tools – **Compass & Systems Mapping** (sm grps)
- 12:40 – LUNCH
 - Systems Mapping con't.
 - Tools – **Innovation**
 - BREAK
 - Innovation con't
 - Open Discussion – today's ideas & tools
- 4:20 – Next Steps

Coalition of Museums for Climate Justice

What is it?

Chris Castle

Coalition of Museums for Climate Justice

- **Help build awareness** of the importance of, and capacity for, climate change responses within the museum community.
- **Help to mobilize** museums as participants and activists in public discourse and action on climate change.
- **Support** museums in strengthening public awareness and mitigation of climate change.
- **Empower** museums to lead by example.

CMCJ - Online

- Website/Blog
[https://
coalitionofmuseumsforclimatejustice.wordpress.com/](https://coalitionofmuseumsforclimatejustice.wordpress.com/)
- Facebook Group
[https://www.facebook.com/groups/
MuseumsforClimateJustice/](https://www.facebook.com/groups/MuseumsforClimateJustice/)
- Twitter @Museums4Climate
- Contact Museums4Climate@gmail.com

#MuseumEd4Climate

Goals of our Peer Learning Event:

1. to acquire tools that will enable participants to:
 - a) analyze the causes, effects and leverage points within the systems creating CC,
 - b) create innovations that can be tried experimentally
 - c) to test the ability of these innovations to have meaningful impacts at a range of levels (scope and potential for scalability)
2. Build our network in action-oriented ways

A bit about me...

Douglas Worts



U of T: Master of Museum Studies (1982)

AGO (1982-2008) - Interpretive Planner, Audience Researcher

Publishing, presenting and teaching in Museology

Leadership for Environment and Development (LEAD) – (1997-now)

2008 - I quit my job at the AGO

WorldViews Consulting (2008-now) – ‘culture & sustainability specialist’

2014 – 1st Research Fellow (Museum Studies) - Georgia O’Keeffe Museum

Humanity has created cultures of Unsustainability – how can museums help turn this situation around?

Getting to Know Each Other (at each table)

1. Name
2. Professional Affiliation
3. Something you like to do when you aren’t working or sleeping

Robert Janes
Words of Welcome



Provisional Vision

(which we will revisit at the end)

That museum professionals **develop effective ways to engage the public** on **issues related to climate change**, with a view to **creating museum innovations** leading to **cultural change** that will **minimize the negative impacts of CC.**

DCW

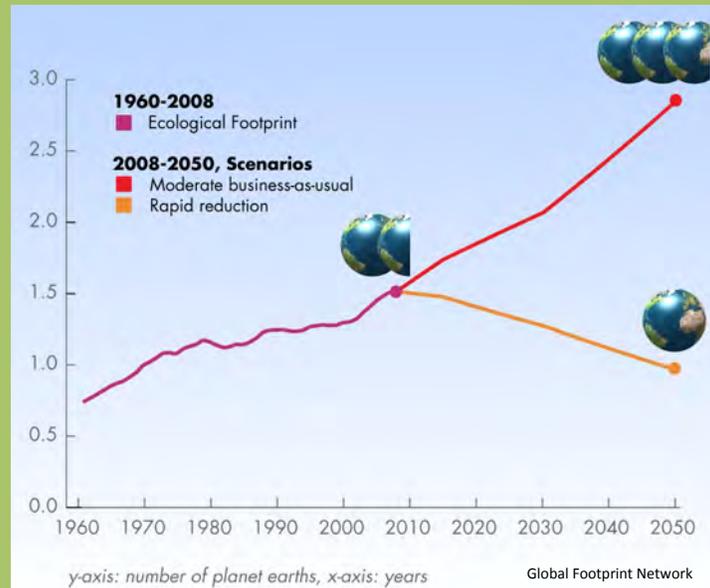
Desired Outcomes	Performance Indicators
1. Ideas: impactful strategies for museums to address climate justice/change	- Ideas generated at Workshop
2. Participants aware of importance of, and capacity for, climate change research and responses within museum community – esp the value of using co-creative processes	- Participants identify, create and share resources (Additions to Resource List) - Networking & collaboration between individuals and amongst the group – More Blog Posts and SMS posts - Continuing to meet as a group
3. Participants mobilized in public discourse & action on climate justice. Participants have a set of tools to use within their institution when creating public programs and collaborative initiatives about climate change.	- We develop & share relevant skills, & ideas on a continuing basis (esp systems mapping; leverage point identification; innovation generation). Evidence in our work - Demonstrate ways of integrating climate change topics within scope of own institution – Case Study examples
4. Participants develop their personal & professional networks	As above
5. A common vision for what is needed for museums to help address climate justice	Vision generated/adapted at Workshop

Ask for volunteer to take notes on flipchart

Some Questions...

1. **What is Climate Change?**
2. **How do we know the climate is changing?**
3. **What forces can change climate?**
4. **What is Climate Justice?**
5. **What's important about climate being part of a systems dynamic?**

Ecological Footprint... making climate change visible (at various levels)



As Museums Consider Addressing CC - ...Two Main Approaches

Mitigation...

reducing or eliminating the causes of climate change

Adaptation...

preparing for the effects of climate change in ways that lessen the potential damage and other negative impacts

Break

Tool #1: Sustainability Compass

A tool for multi-stakeholder engagement

Sustainability Compass

- **N = Nature**
Environment, resources, ecosystems, climate
- **E = Economy**
Production, consumption, employment, investment
- **S = Society**
Government, culture, institutions, social concerns
- **W = Wellbeing**
Individual health, families, self-development, quality of life



Courtesy: Alan AtKisson

Turn over the Coloured Sheet in the Middle of your Table

You are already in
4 Groups

Nature

Wellbeing

Economics

Society

Represent Your Perspective

Things to Remember while mapping the systems environment of the current Climate Change trend:

1. Focus the discussion around the perspective of your group
2. Ask yourselves, 'how does my perspective affect climate change?'
 - a. How do forces related to my perspective cause and shape climate change trends?
 - b. How does trends in climate change impact elements and processes within my perspective?

Tool #2: Systems Mapping

A tool to capture insights into the complexity of the trend dynamic you are trying to influence

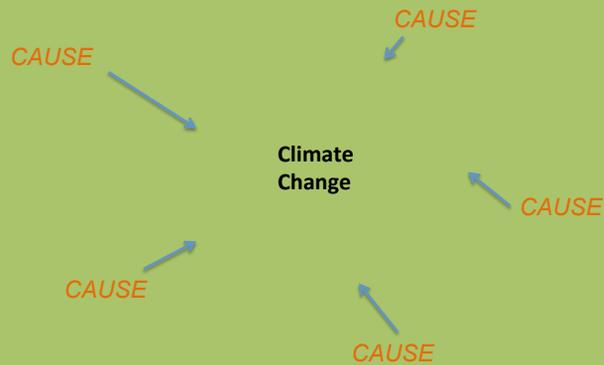
Analysis and Synthesis

Systems Mapping Methodology



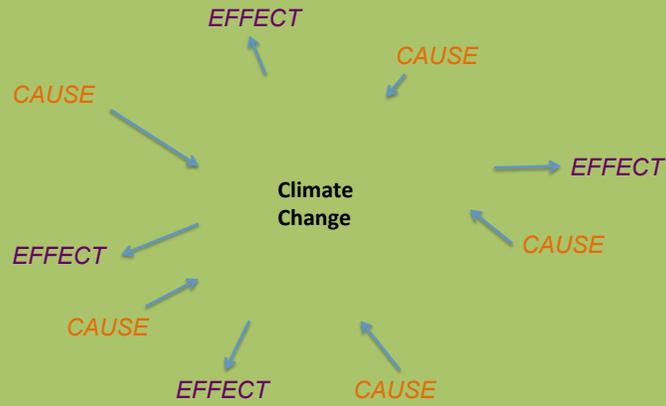
Courtesy: Alan AtKisson

Systems Mapping Methodology



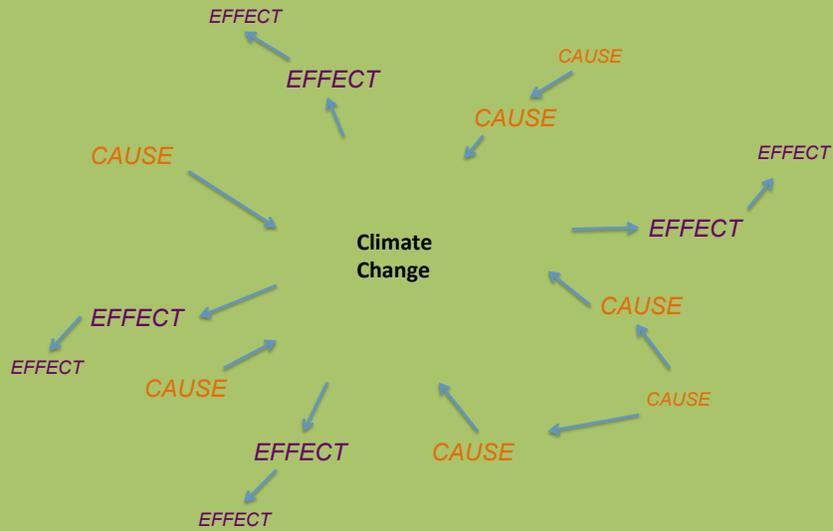
Courtesy: Alan AtKisson

Systems Mapping Methodology



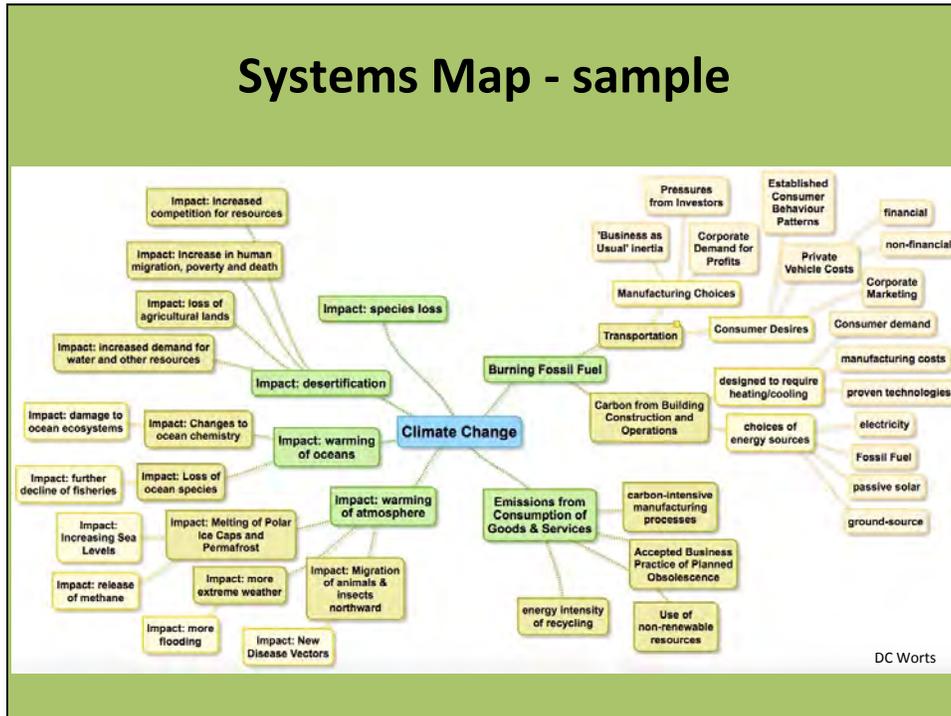
Courtesy: Alan AtKisson

Systems Mapping Methodology



Courtesy: Alan AtKisson

Systems Map - sample



This exercise requires...

- Facilitators (you have 2 who have already volunteered)
- Someone from your group be a recorder (good printing skills)
- A spokesperson
- A time-keeper

You will Build your Map in Two Phases:

- You'll have **30 minutes** to build this phase of your map

Focus on:

- **Causes** and causes of causes
- **Effects** and effects of effects
- If you want them, draw **relationship lines** lightly in pencil

Spend last 5 minutes discussing **insights** from the process
- to help the presenter.

Short Presentations on Maps

2 minutes per group

Discussion and observations - 5 minutes

Return to your Maps, but...

- 2 people from your group will move to the table focused on next (clockwise) compass position
- 2 people from your group will move to the table focused on the opposite compass position
- 2 people from your group will move to the table focused on next (counter-clockwise) compass position

Note:

Each of you will continue to represent your original position, but now each group will weave all perspectives together.

If needed, re-orient Post-Its as you integrate 4 perspectives

Two Other Things to Consider...

A short video on Systems Thinking

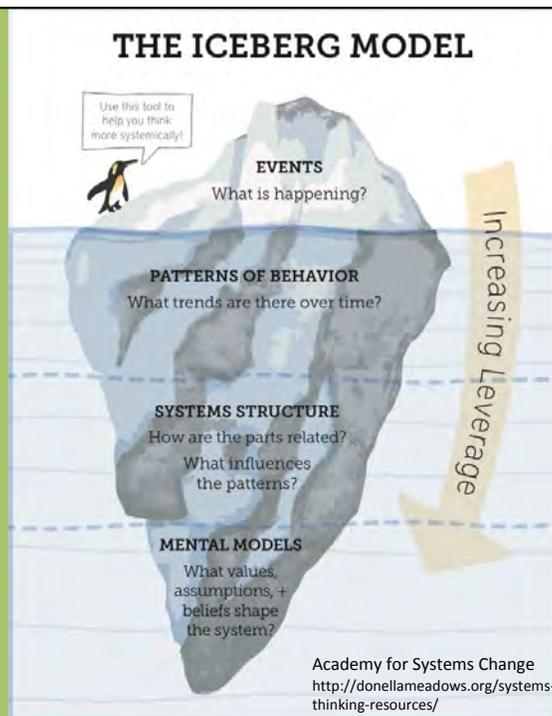
<https://www.youtube.com/watch?v=rDxOyJxgJeA>



Sponsored by the Donella Meadows Foundation

Iceberg Model

The Iceberg Model illustrates the complexity that underlies ordinary life. It is prudent to understand as much as possible of the deeper levels of the iceberg, since this is where the roots of system dysfunction reside. If you can identify leverage points at deeper levels, then the potential for cascading change is increased.



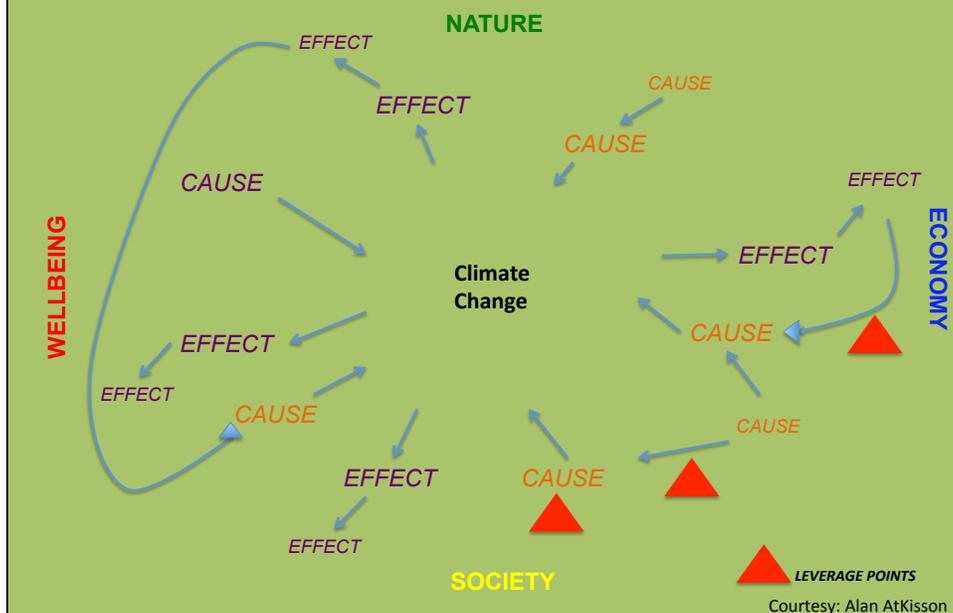
Identify Leverage Points

Leverage Points are places on the map where, if you intervened successfully, a small action can create large and cascading change through the system.

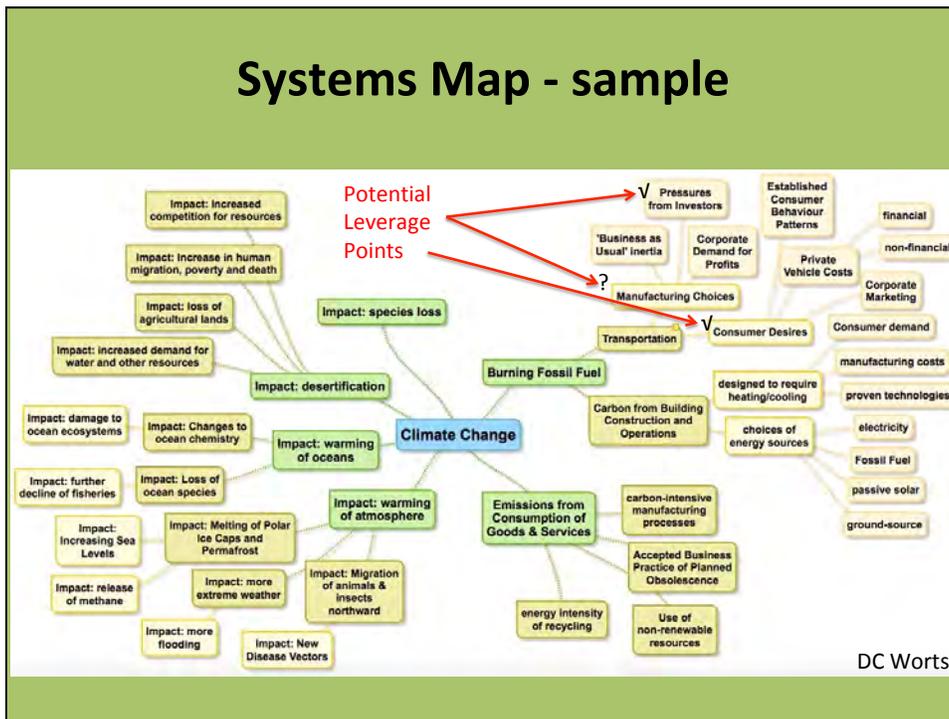
Identify places where you think a intervention could create a large impact. Articulate why you think it could be a leverage point. Discuss it amongst your group and write a short Post-It to capture the essence of your leverage point.

IMPORTANT: Don't jump ahead to thinking about actual innovations – this will come soon.

Systems Mapping Methodology



Systems Map - sample



Strategic Interventions

Goals	Mechanisms	Potential Players	Strategic Focus
GHG Emission Reductions - Fewer generated - Sequester carbon	- Renewable Energy	Individuals	Values
	- Reforestation	Organizations	Knowledge
Adaptation To CC	- Consuming Less/different	Communities	Wisdom
	- Reduce animal farming	Cities	Foresight & Vision
	- Construction Bylaws	Nations	History
	- Reinforced infrastructure	Political systems	Goals
		Laws	
		Economic System	
		Cultural Systems	

DC Worts, '18

Continue building your Maps

- Integrate all Compass perspectives
- Re-organize Post-its as needed
- Draw lines to make important connections
- Identify leverage points – places that if you intervene in effective ways, you could create cascading effects

(30 Minutes)

Short Presentations on Maps

2 minutes per group

Discussion and observations - 5 minutes

Tool 3: Innovation Generation

Innovation:

Innovations are ...
... interventions in systems.

There are many, *many* types of innovation ... and they range from new products, to process changes, mindset changes, you-name-it

Sustainability innovations ...
... are interventions that are designed with the whole system in mind, in order to produce multiple benefits



What do museums want to change?

- Individual behaviours?
- Individual understanding?
- Business operations?
- Government policy?
- Economic laws & structures?
- Society's relationships with artists, historians, storytellers, scientists, elders, youth...?
- Natural systems?
- Individual attitudes?
- Society's behaviours?
- Museum operations?
- Economic 'values'?
- How we learn from the past?
- How we operate as a society?
- **A conscious, cultural vision of the future?**

Innovation Exercise – 50 minutes

- **Individually**, review your system map, let your mind wander... each person writes down **one idea** that you think will address climate justice, at one or more leverage points (5 min)
- Think 'out of the box' (for now, avoid traditional ideas, like exhibits) – remember you are trying to have meaningful impacts on communities
- Get all the ideas out without judgement!
- Share ideas in your group; add/modify (20 min)
- **Prioritize top 2 – give them catchy names (5 min)**



Possible Innovation Ideas could include:

- New overarching goals and visions
- New models of operating
- New value propositions
- New forms of organization, cooperation, collaboration
- New ways to identify stakeholders
- New targets and standards
- New materials and technologies
- New feedback mechanisms
- New ways to measure 'success'
- New information flows to new people
- New rules, policies, incentives
- New skills and capacities
- New mindsets and paradigms
- **A NEW WILLINGNESS TO TRY NEW THINGS - EXPERIMENTATION**



Method:

- Brainstorming ideas
- Analyzing possible impacts
- Prioritizing ideas
- Developing project briefs to assess viability, costs, etc.

Adapted from "Leverage Points: Ways to Intervene in a System," by Donella H. Meadows. Available from www.sustainer.org

As you develop your ideas...

Clarify in your mind:

- The Innovation concept
- The needs/opportunities being addressed in communit(ies)/Nature?
- How it relates to your desired outcomes (e.g.relationship-building with individuals, communities, museum, other orgs, etc.)
- How the project could be prototyped?
- What resources are needed?
- Is it scalable if it is 'successful'?
- How will 'success' be measured?

Spend at least 10 minutes Prioritizing Innovations

Select innovations that have the
best chance of succeeding

Critical Assessment Framework

A method for assessing museum programs and initiatives:

- Individual
- Community
- Institutional
- Global

Note: museum attendance and revenue are not cultural indicators

Critical Assessment Framework
Douglas Worts & Glenn Sutter - WorldViews Consulting - April 2008

Criteria for assessing initiatives aimed at 4 levels of cultural adaptation

(Rating performance without indicators is subjective. Enclosures are useful and will generate criteria.)
When evaluating a new initiative program initiative, ask how well the program will:

	1	2	3	4	5
Personal Level (members of community)					
Contribute and/or generate new insights					
Capture imagination					
Stimulate curiosity					
Encourage personal reflection					
Enhance ability to think critically and creatively					
Provide opportunity to examine and clarify values					
Demonstrate relevance and make connection to daily life					
Actively challenge, disrupt identity					
Help develop a sense of place					
Help deal with complexity and uncertainty					
Initiate responsible action					
Stimulate creative conflict					
Community Level					
Address vital and relevant needs / issues / opportunities within community					
Generate information and connections at the personal, community, governmental, national and global level					
Engage all stakeholders					
Provide a voice for diverse groups					
Encourage social innovation and debate					
Act as a catalyst for action					
Stimulate intergenerational inspiration					
Link existing community groups to one another					
Participate empowered community groups					
Enhance the capability of all involved					
Reach its products and processes that have tangible impact in the community					
Institutional Level					
Challenge personal and institutional assumptions					
Conduct to clearly articulated goals, objectives and outcomes					
Use the most effective vehicles for achieving goals					
Create a community of learning within staff					
Integrate scientific, local and traditional knowledge					
Act as catalyst for partnering community organizations					
Global Level					
Address issues of global significance - revealing links to local realities					
Foster global citizenship health					
Reduce global ecological footprint					
Promote global social justice and equity					
Foster public consciousness of global impacts of local choices					
© The Working Group on Museums and Sustainable Communities - June 2006 (adapted)					

For elaboration, see Worts, Douglas, "Measuring Museum Meetings: A Critical Assessment Framework", Journal of Museum Education, vol. 31, #1, Spring 2006, Walnut Creek, California: Left Coast Press, pp. 41-49

Working Group on Museums and Sustainable Communities

Presentations

3 minutes per group, with 2 minutes for clarifying questions

Voting on Innovations – using Dotmocracy

Open Discussion and Next Steps

Provisional Vision

(which we will revisit at the end)

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DCW

Thanks for your creativity and participation!

Douglas Worts
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By Meek, Australia