

A Climate Change Resource- Linked Concept Map: Its Story and Navigation

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Today's Path

- Overview of the concept map
- The story of the development of the map
- Navigation of the map
- Questions



Overview: the Quick Tour

- The resource-linked concept map is web-based:
- <http://cmapspublic2.ihmc.us/rid=1QFJ88YMG-M7FBBS-5No6/Climate%20Change%20Bite-Sized2.cmap>

Origins of the Idea: Why a Concept Map?

Cornell University
in the 1970s and
1980s

Research tool

Learning tool



1990s: What do we learn from teaching environmental science?

“You know, Gene, global warming is **REALLY** complex.

The atmosphere, the oceans, the land surface are all interacting.

Magnitude of the causes is uncertain.

So many consequences.

Let’s map it! “

It started as a ‘learning to learn project.’



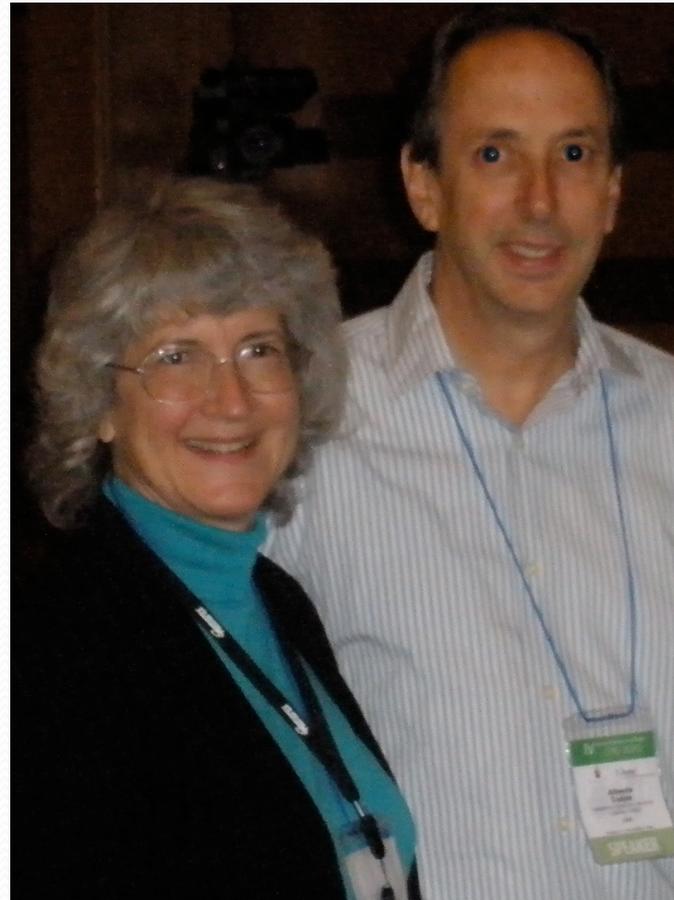
Origins of the idea:

Why a resource-linked concept map?

Confusion in 1990s
and early 2000s

Evidence of human
finger print

The needs of
teachers and
learners for
evidence-based
resources





Why the layered look?

- The original map was completely text.
Cognitive overload: need for layers and visuals
- Decided that the homepage should be oriented the way people read while more detailed layers kept their hierarchical structure
- Needed to reach audiences with different needs.
People enter this world through different portals.



What are the layers: entry points?

The following layers respond to different needs:

- Layer 1:
“I’m new at this. I need an overview of climate change. Causes, impacts, solutions. PLEASE keep it simple.”
- Layer 2:
“I know enough. I just want to DO something.”
- Layer 3:
“I work in the educational system. Where are the resources I need for my job?”
- Layer 4:
“I’m a teacher with specific resource needs.”

What are the sources of the resource links?

- NAAEE: eePro Climate Change
- NSTA: articles, webinars, other resources
- CLEAN: Teleconference presentations
- Mass Audubon, Elizabeth Duff
- Global Warming So What? Gene Fry
- Cornell University MOOC; Marianne Krasny
- Attendance at professional conferences

- NOT from a google search



How do you navigate the map?

- Browsing in the forest
- Videoclip on how to navigate
- Let's take a leisurely tour and then take questions!
- <http://cmapspublic2.ihmc.us/rid=1QFJ88YMG-M7FBBS-5No6/Climate%20Change%20Bite-Sized2.cmap>

Questions

Yours?





??Questions?? Mine

- How can the map be applied to your professional work?
- How can you be empowered to edit and update the map for your own purposes?
- What is the future of the map? Can it contribute to the emerging idea of a Climate Change Education Toolbox?



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