Visualizing Advocacy and Practical Organized Climate Change Denial Networks

There is more than one kind of organized climate change denial, and practical denial is on the rise as the saliency of the worsening physical conditions for social life such as excessive heat, drought, storms, etc. become more obvious.

I seek to include more organized opposition to effective climate action along with what might be called classical climate change denial by foundations, think tanks and front groups engaged in propaganda and misinformation. Practical denial does not deny climate science. Instead it engages in

acts that assume the science does not matter or as if action to prevent the causes of our worsening climate—some form of emissions--must be avoided because of more important priorities such as economic growth, political control, exploiting access to fossil resources in the Arctic, etc. I explore several of these forms of practical organized denial and seek

to visualize them in addition to classical organized denial. I seek ways to view the part and the whole together on a larger scale than my previous work visualizing the classical denialist network within the United States only.

I hope to find links if they exist between the denialist core groupings as they are discovered by researchers and activists and consider alternative SNA visualization methods that best allow observers and actors to understand the evolving relationships.

Social Network Analysis has exemplary works with classical climate change denial networks. How can we extend what has been

The Situation

achieved, applying the same metaphor of trees and forest to visualize the multifaceted ways of denying the practical reality of Climate Change along with our classical approaches?

Before Covid and other disruptions I hoped to make progress along the lines of including additional forms of denial, but for now I am still limited to data generously provided by researchers on classical denial.

We want people to be able to

Forest and the Trees

visualize both at the same time wherever possible

visualize the climate denial organizational network

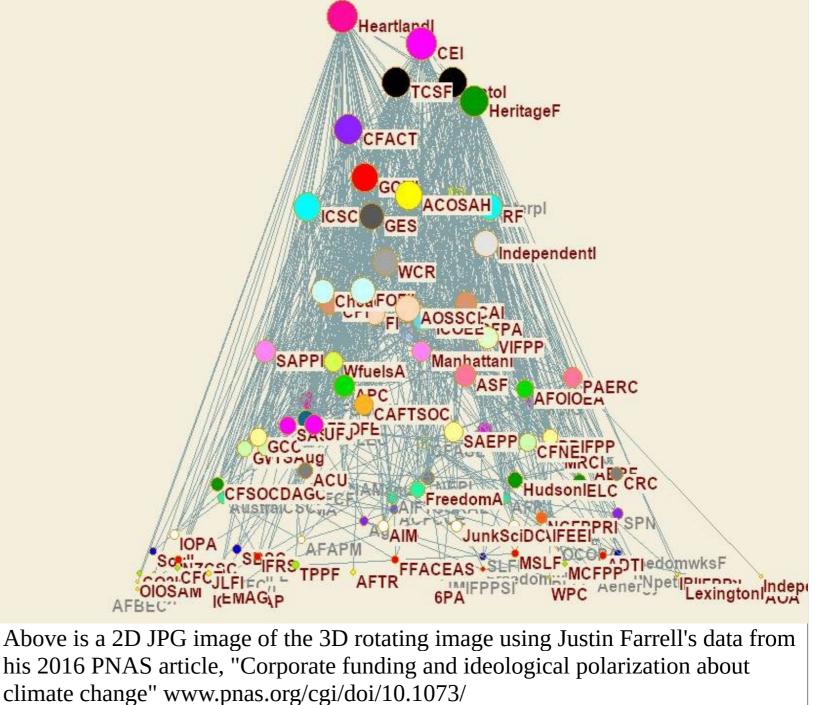
A new way to

dimension and rotate the graph

Add a third

example in motion in the video

See the full



Technically it is Pajek generated graph of an induced 1-mode network from the basic 2-mode (organizations and people combined) network, so it only contains the climate denial organizations, but it uses people's ties to multiple organizations,

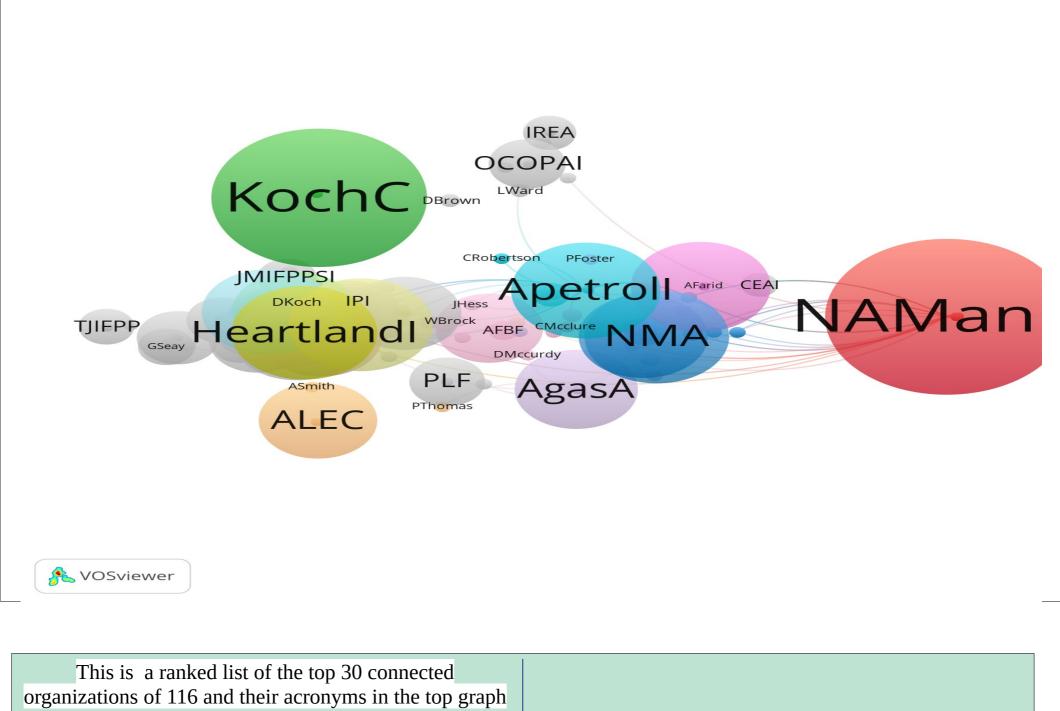
their degree, as a partition and as a vector (to get colored vertices) and is treated in Pajek as a z-axis in drawing the 3D graph. The graph spreads out that dense point cloud around the core and employs that 3rd dimension to spread it out in an intuitive way, with Heartland Institute ("HeartlandI"), the most linking, at the top.

It is not based on number of individual people who are attached to a single organization like the big National Association of Manufacturers cluster with acronym "NAManuf"--which in the above graph is centered and near to and up

several levels from the bottom of the pyramid or an "island" rising above the plain but on the other side, shaded, of the graph at this point. In contrast the below image from another free software package, VOSviewer, which took a graph from Pajek of a network of organizations and individual people and pruned off

to a particular denial organization determines the size of the organization vertex. I argue the top image is more informative for most understanding of how the denial machine about 2015 functioned though the bottom one is also of use.

minor players, leaving just 37 larger clusters. In it the number of individuals who belong



FOFII

CAI

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FI

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AOSSCI

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AmEnterpl AMERICAN ENTERPRISE INSTITUTE **ICSC** INTERNATIONAL CLIMATE SCIENCE COALITION RF **REASON FOUNDATION GES GREENING EARTH SOCIETY** Independentl INDEPENDENT INSTITUTE **WCR**

AMERICAN COUNCIL ON SCIENCE AND HEALTH

COMMITTEE FOR A CONSTRUCTIVE TOMORROW

Acronym

CEI

Catol

TCSF

Heartlandl

HeritageF

ACOSAH

CheadsC

CFACT

GCMI

Organization

CATO INSTITUTE

HEARTLAND INSTITUTE

HERITAGE FOUNDATION

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Balanced Energy Solutions

WORLD CLIMATE REPORT **COOLER HEADS COALITION** by Nooy, Mrvar, and Batagelj, Cambridge University Press

KochC **KOCH COMBINED SAPPI** SCIENCE AND PUBLIC POLICY INSTITUTE WfuelsA WESTERN FUELS ASSOCIATION **ASF** AMERICAN SPECTATOR FOUNDATION The page references in the 2018 Pajek text for how to make the top graph from scratch start about p. 121 and lead into section 5.4 "Islands" and continue with additional discussion. The Pajek text is Exploratory Social Network Analysis with Pajek: Revised and Expanded Edition for Updated Software Facts News & Resources Resolutions JOIN

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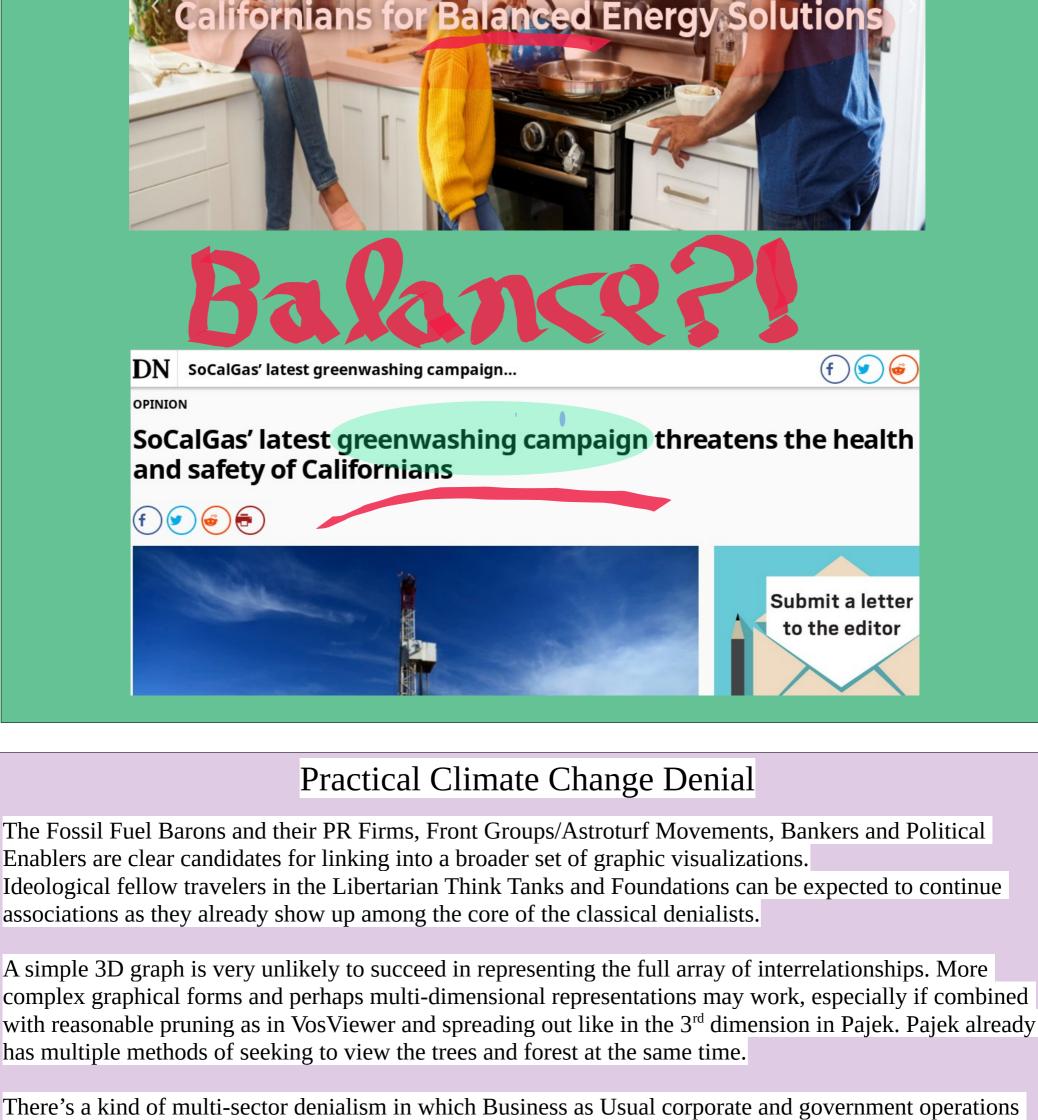
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ignore the dire warnings of our running out of time. I suspect there are also professional associations of planners, city managers, managers in general in which short sighted visions are developed into an art form of

whom the Government of Bahamas did not include in STATES Tropical storm official statistics when some 2,500 were considered Over 63kph "missing"--the web of links in the social network side of the Hurricane climate change denial story that enhanced Hurrican Dorian's

At the same time, we have to assess the intuitive grasp that the graphic tools provide.

Hurricane Dorian

Wind strength



Sep 5th,

05:00 EDT

UNITED

delay where every bit of delay is denial and dangerous.

There is an international and multinational dimension as well.

Our public: How do we show people--who emigrated from

Haiti and settled into the low wage enclave of The Mudd

impact on the Abaco Islands? It also has to be intuitive.



James (Jim) Mulherin, Ph.D. jimm@ucsc.edu Research Associate University of California Santa Cruz

appreciated.

Suggestions and corrections are