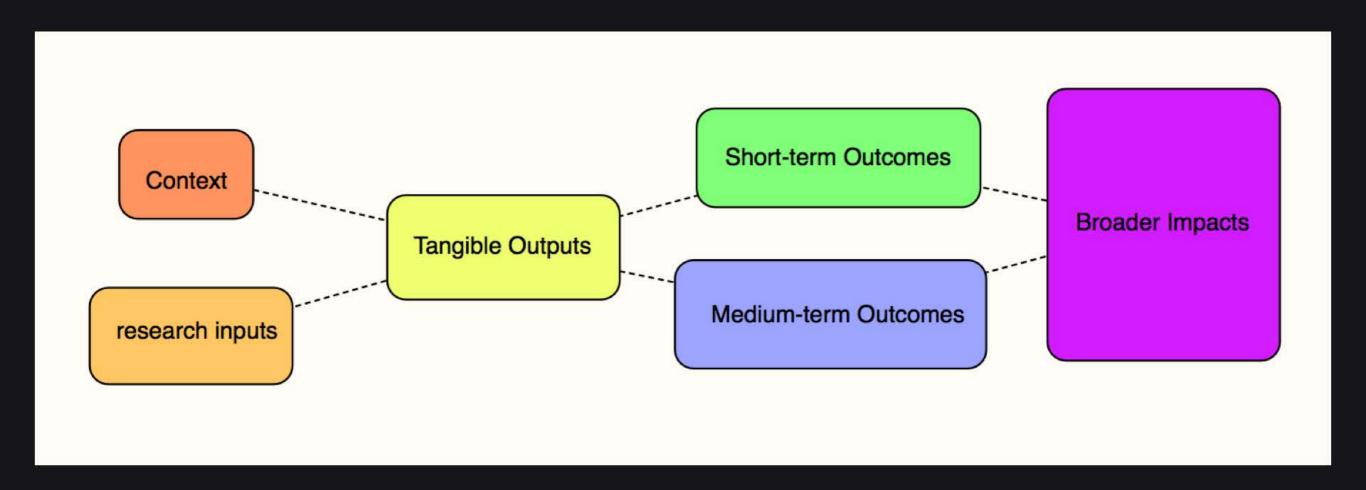
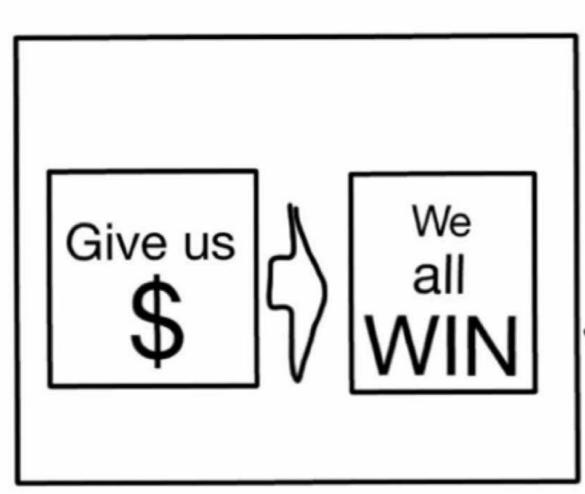


Gigi Owen (gigi@email.arizona.edu)
CLIMAS Colloquium Series - 4.20.18

CLIMAS Program Evaluation 2012-2017





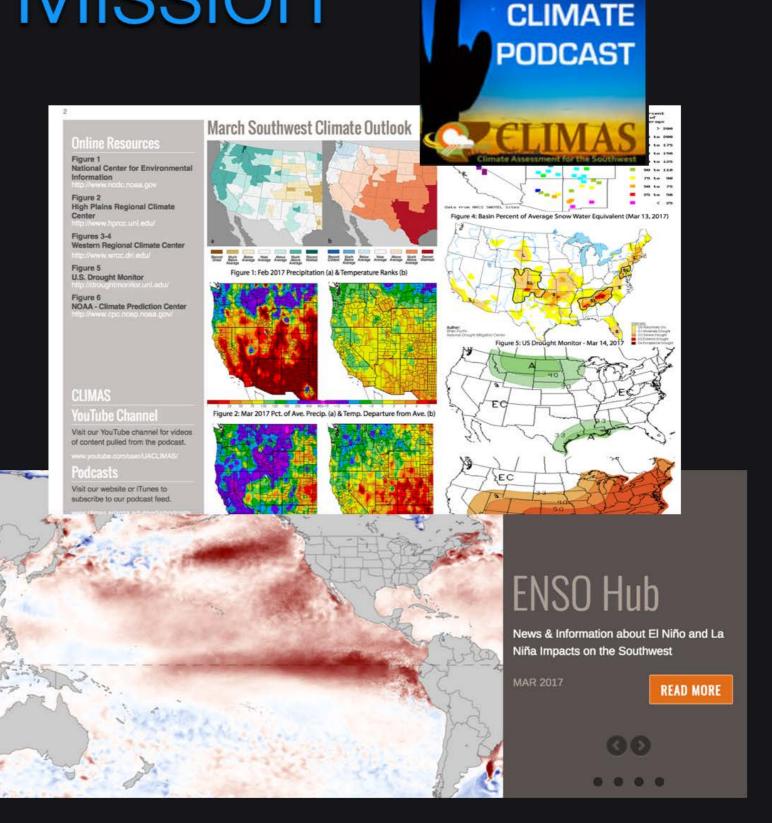
Here is our new simplified logic model



CLIMAS Mission

Improve region's ability to respond sufficiently and appropriately to climatic events and climate changes

use-inspired research usable knowledge



SOUTHWEST

how do we know if we're doing good?

talk outline

- history of use-inspired research
- theory of use-inspired research
- evolution of CLIMAS program theory
- theory in practice



science policy



Vannevar Bush

"The Freedom of Inquiry Must Be Preserved"

As long as [universities] are vigorous and healthy and their scientists are free to pursue the truth wherever it may lead, there will be a flow of new scientific knowledge to those who can apply it to practical problems in Government, in industry, or elsewhere."



- Vannevar Bush, 1945

As long as [universities] are vigorous and healthy and their scientists are free to pursue the truth wherever it may lead, *there will be a flow* of new scientific knowledge to those who can apply it to practical problems in Government, in industry, or elsewhere."



- Vannevar Bush, 1945

Mode 2 Science (1994) - Gibbons, Nowotny, et al.

Transdisciplinarity

Knowledge Co-production

(1998) - Sheila Jasanoff, Bryan Wynne; (2005) Maria Carmen Lemos and Barbara Morehouse

use-inspired basic research

(1997) - Donald Stokes

interactive environmental research

(1999) - Alistair Scott et al

Interactive social science (2000) - Steve Woolgar

Boundary organizations, boundary objects

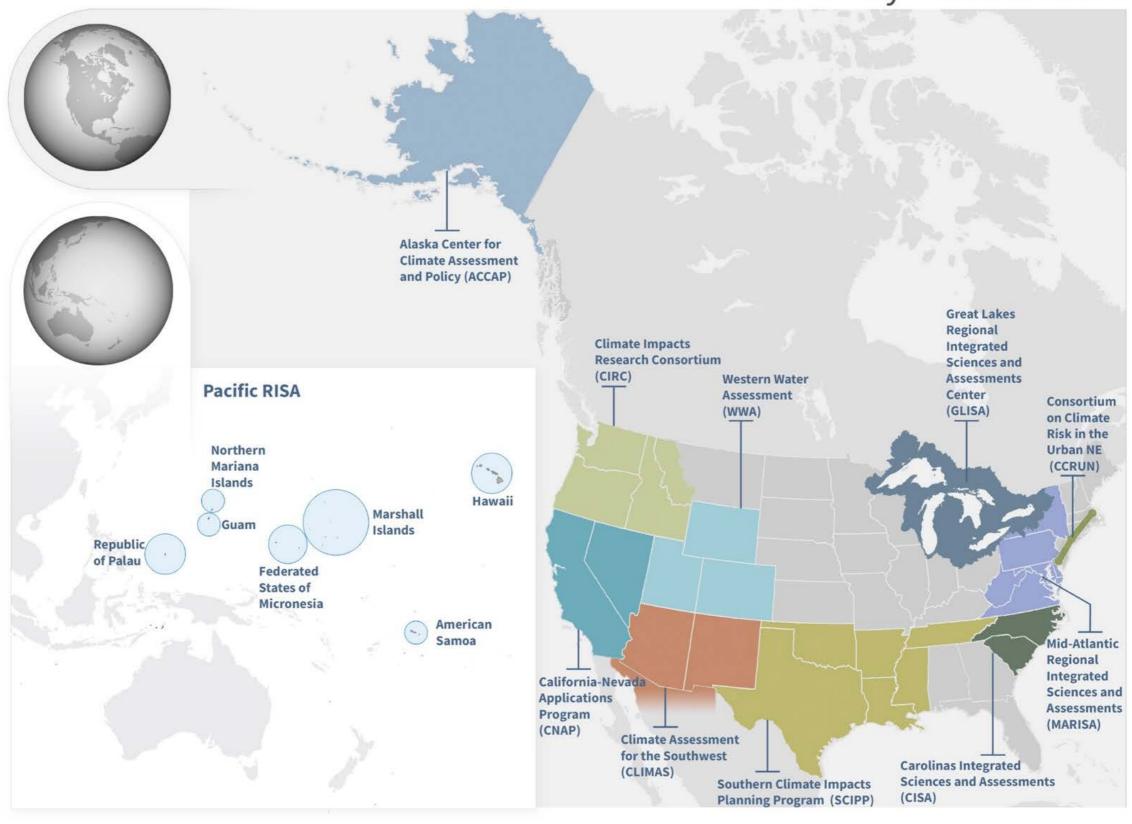
(2001) - David Guston

end-to-end model (2001) -

Shardul Agrawala, Kenneth Broad, David Guston

iterativity (2005) - Lemos and Morehouse

Currently Funded RISAs





"collection, interpretation, valuation, and communication of information of relevance to decision makers, resource managers, and other interested individuals" (Bales, 1997)





Mode 2 Science (1994) - Gibbons, Nowotny, et al.

Transdisciplinarity

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SOCIAL LEARNING SYSTEMS

Boundary organizations, boundary objects

(2001) - David Guston

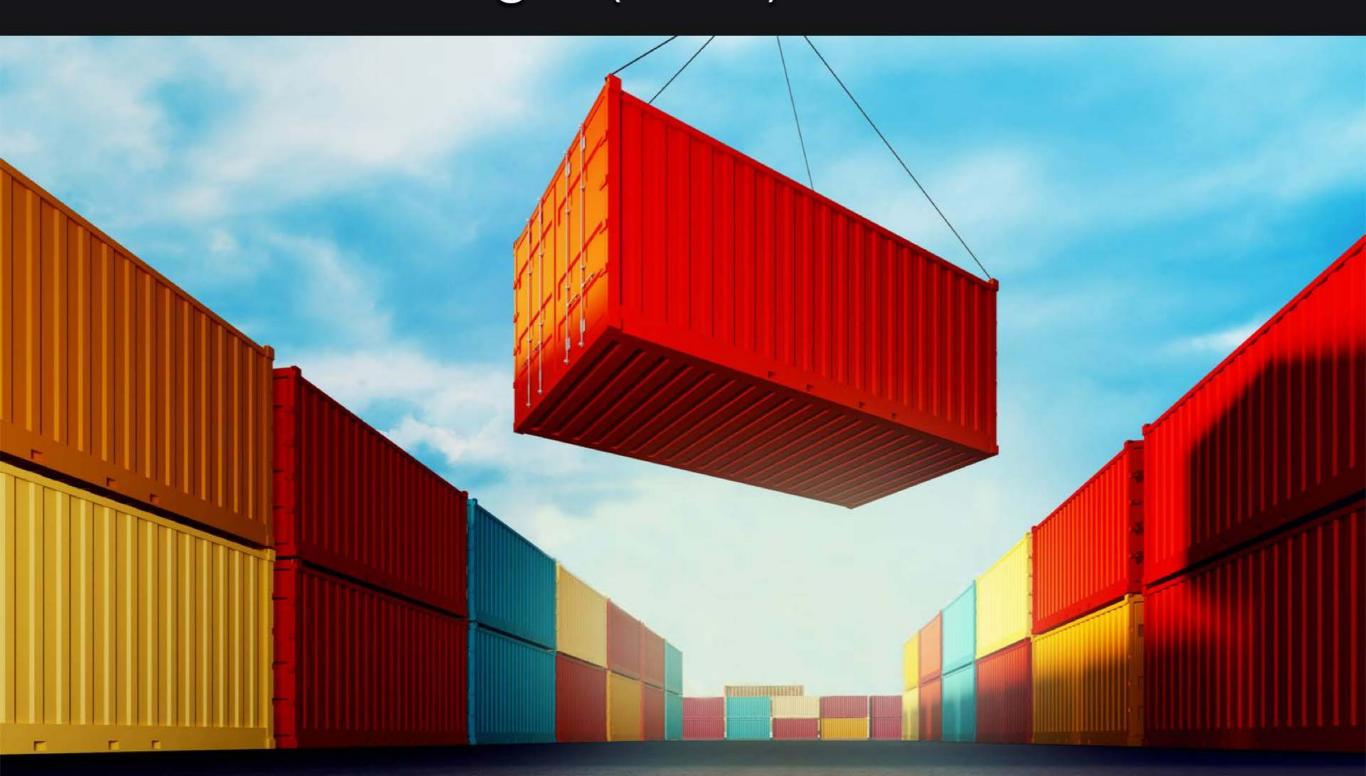
end-to-end model (2001) -

Shardul Agrawala, Kenneth Broad, David Guston

iterativity (2005) - Lemos and Morehouse

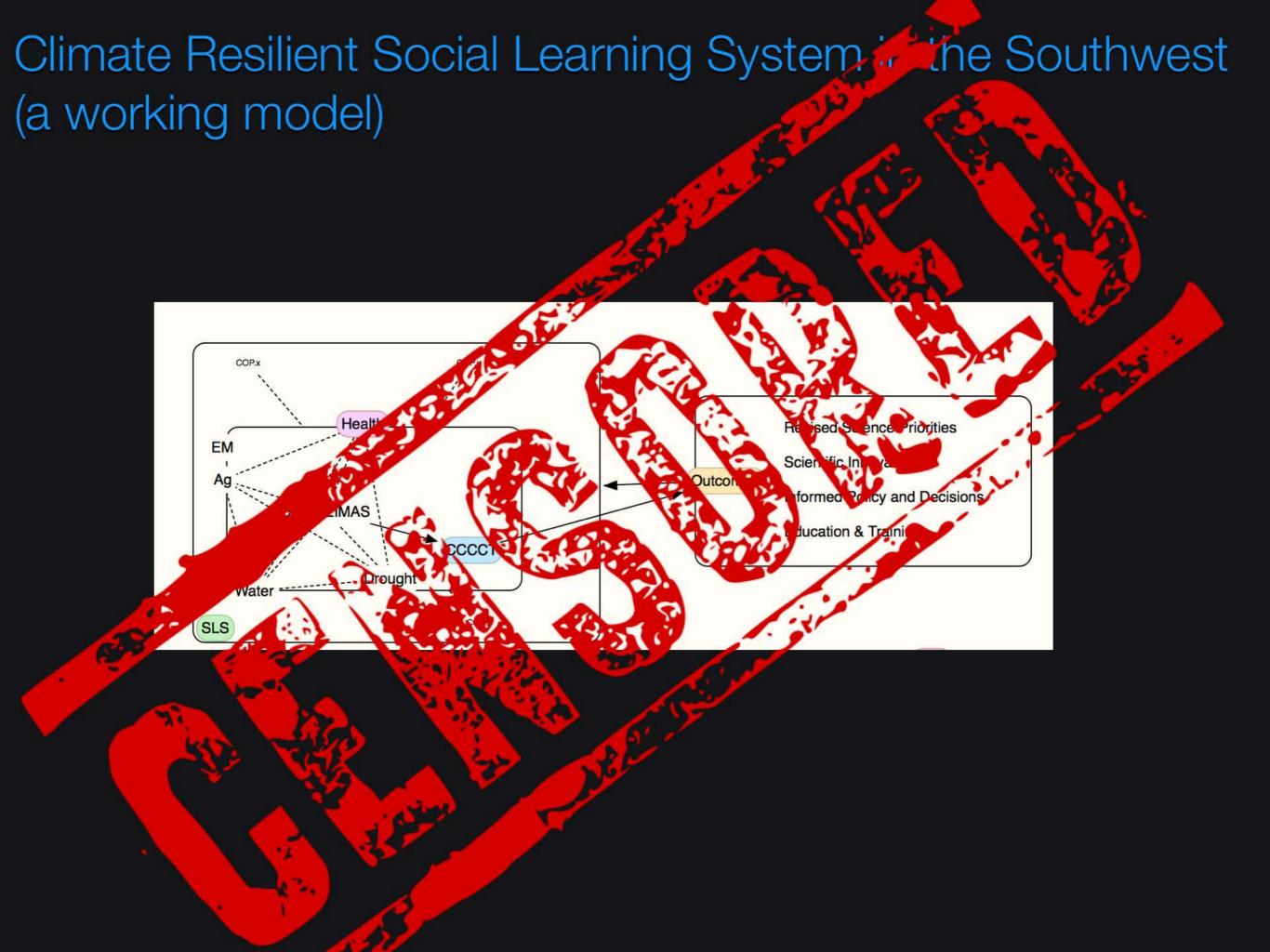
Social Learning Systems

- Etienne Wenger (2000)



Social Learning Systems

iterative interactions between physical, natural, social scientists, and non-academic partners contribute to the development of a social learning system made up of researchers and practitioners who collaborate to address regionally important issues with relevant climate-related research



5 CLIMAS functions within the Climate Resilient SLS



Communicate

- interact with the largest amount of people
- establish CLIMAS brand within the region

Southwest Climate Outlook

THE UNIVERSITY OF ARIZONA.

Issued: July 22, 2008



In this issue...

Monsoon

True to form, the monsoon has been highly variable. While several areas of New Mexico have experienced greater than 6 inches of rain, parts of the Navajo Nation have received less than 0.1 inches...

Source: Zock Guido

Fire Outlook

Photo Description: This photograph of monsoon rainfall was taken on the Colorado Plateau near Springerville, AZ in August 2007.

The seasonal wildland fire outlook predicts increasing fire potential in southeastern New Mexico during August through October. The outlook, which was released on July 1, does not account for substantial recent precipitation in southeastern

Would you like to have your favorite photograph featured on the cover of the Southwest Climate Outlook? For consideration send a photo representing Southwest climate and a detailed caption to: knels











The National Oceanic and Atmospheric Administration (NOAA) reports that ENSO-neutral conditions are present in the equatorial Pacific Ocean. NOAA also states that equatorial sea surface temperatures in the central Pacific Ocean have returned to near average...

The information in this packet is available on the web: http://www.ispe.arizona.edu/climas/forecasts/swoutlook.html

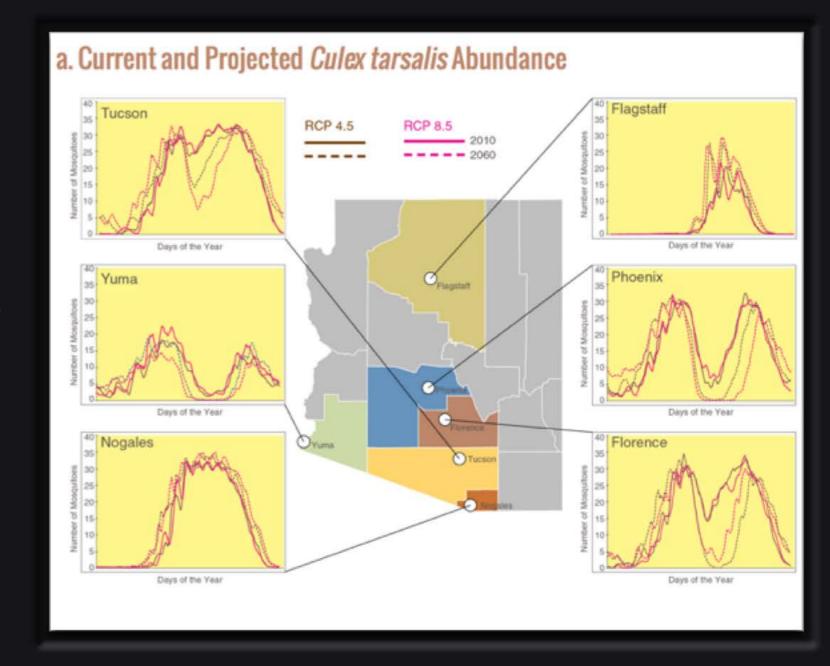
Convene

- connect virtually and physically
- create space for iterative interactions



Consult

- tailored, expert advice
- data collection, analysis, interpretation, synthesis



Collaborate

- co-produce information with demonstrable impact
- varies as to project duties



Train - next generation



ABOUT SW CLIMATE EDUCATION LIBRARY RESEARCH SERVICES OUTREACH

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INVESTIGATORS

AFFILIATES

POSTDOCS

GRADUATE ASSISTANTS

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final thoughts

- Evaluation has brought clarity of thought and purpose
- now have a better way to measure impact in these five areas
- knowledge production is inherently social
- the actions that CLIMAS takes to produce knowledge are social