

MICHIGAN STATE
UNIVERSITY



CLIMATE CENTER
UNIVERSITY OF MICHIGAN

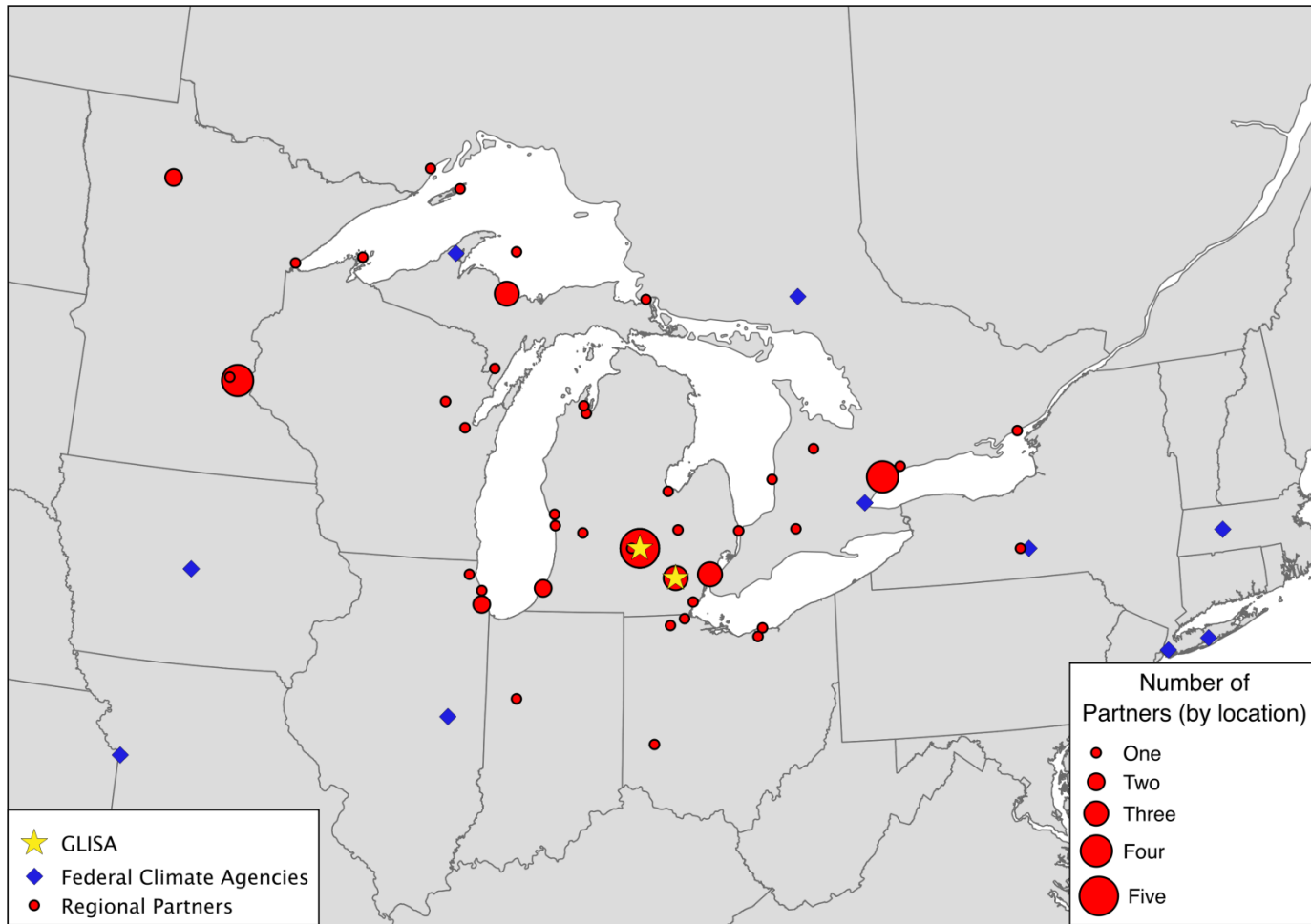
GLISA
A NOAA RISA TEAM

Maria Carmen Lemos

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EVALUATING ADAPTATION: THE ROLE OF KNOWLEDGE AND NETWORKS

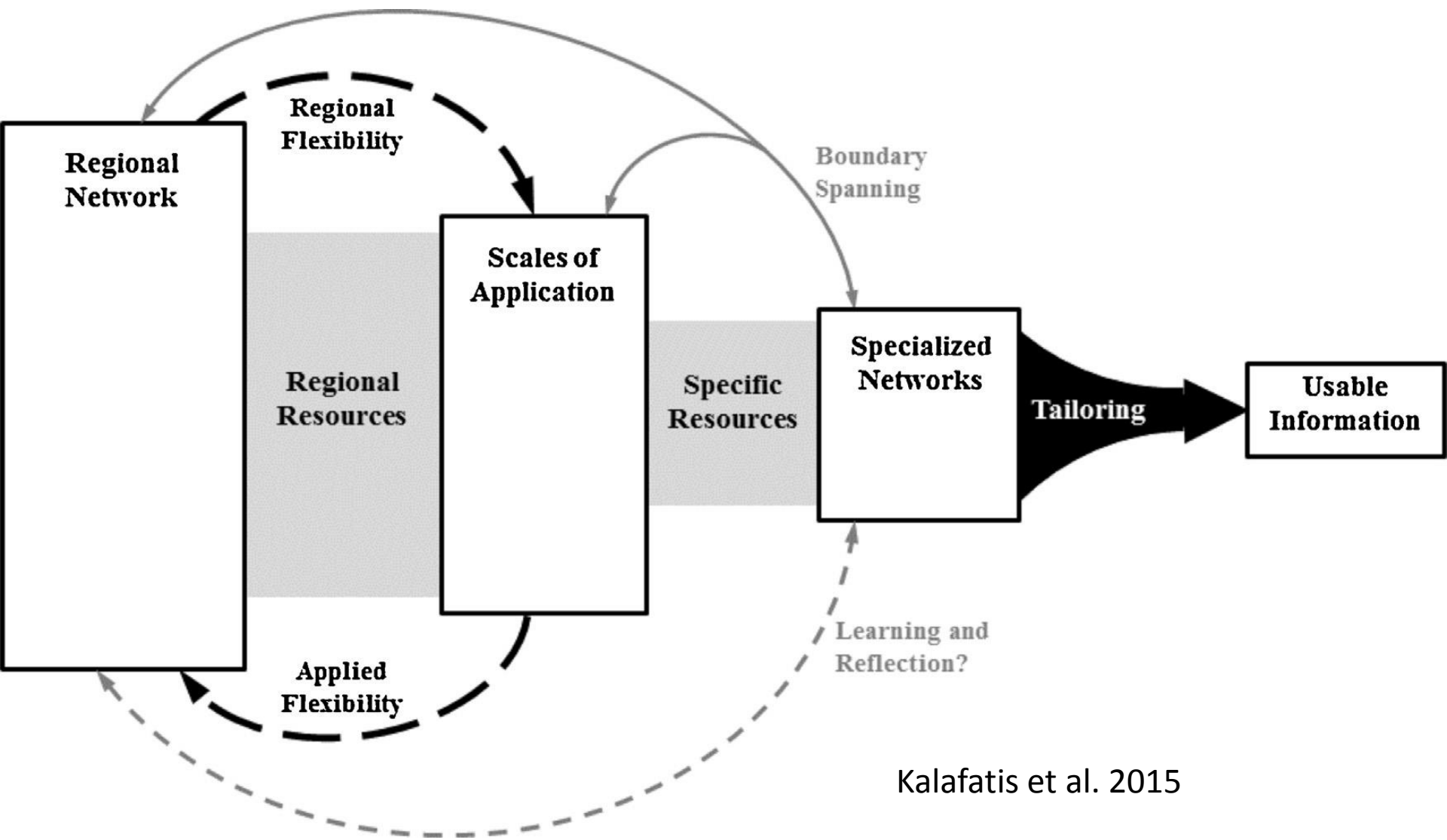
Regional Partners and Program Locations



Climate Information and Adaptation

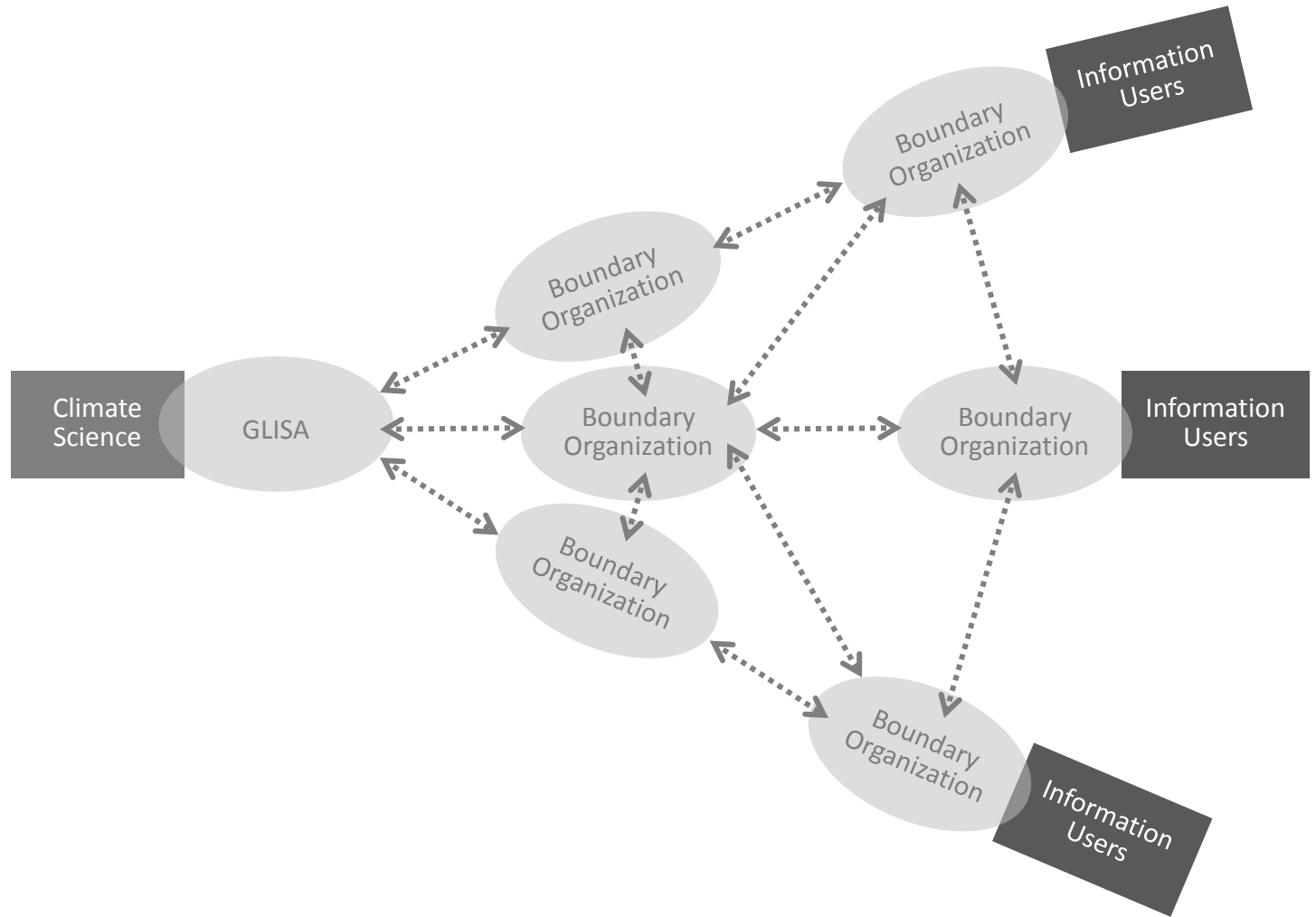
Three disconnects

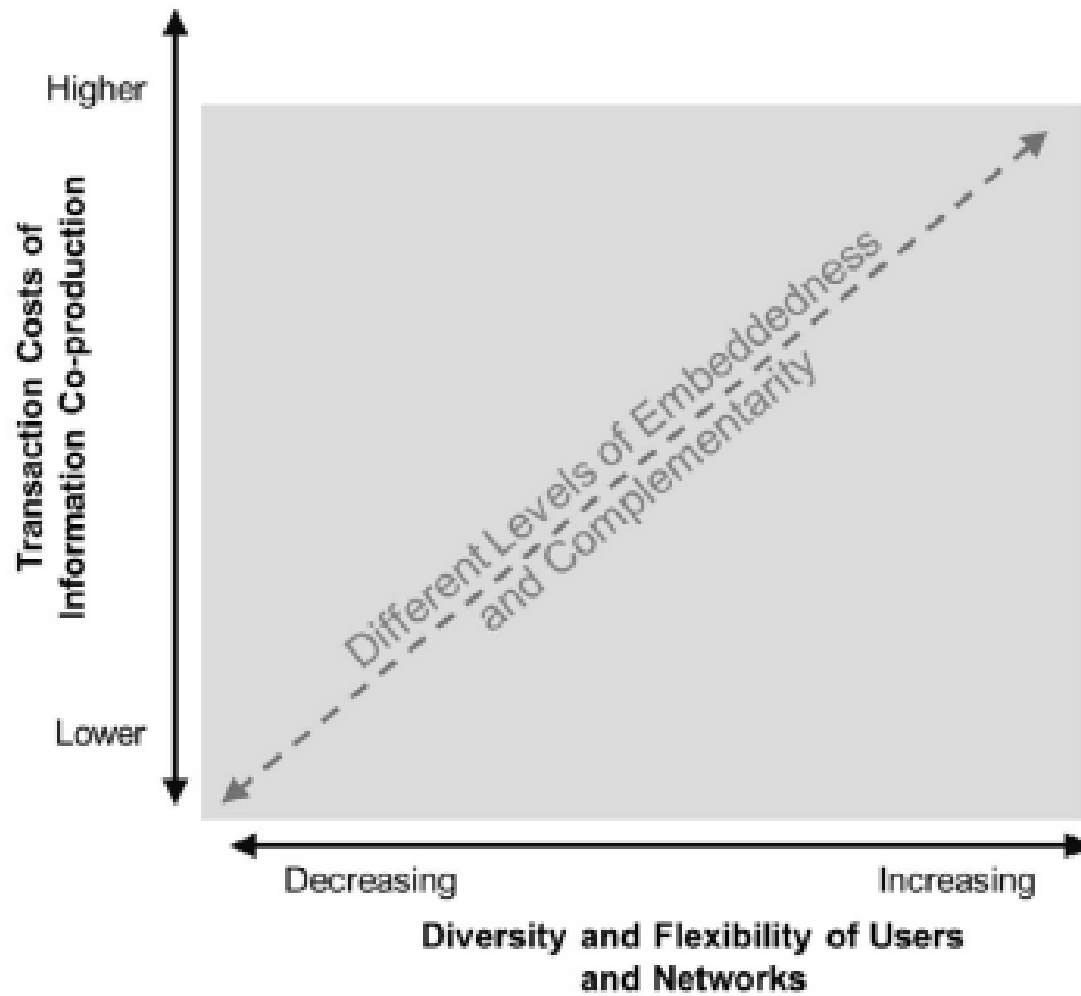
- *Knowledge fit* gap concerns to what extent decision needs expressed by stakeholders can be met by the state of the science
 - Downscaling
 - Decision scaling
- *Adaptive capacity gap*: does the use of climate knowledge build capacity? If yes, how?
- *Adaptation gap*: does adaptive capacity lead to adaptation



Kalafatis et al. 2015

Figure 4. Networked Chain Arrangement





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- Evaluating boundary chains:
 - Embeddedness, complementarity, transaction costs
 - Leverage points/synergies where chain builds capacity beyond knowledge use
 - Potential tradeoffs
- Evaluating knowledge dissemination:
 - Mapping networks from links in the chain
 - Gaps; areas where more depth maybe needed
- Evaluating usability:
 - Interviewing stakeholders to explore pathways to adaptation