



GCAM-USA Breakout session

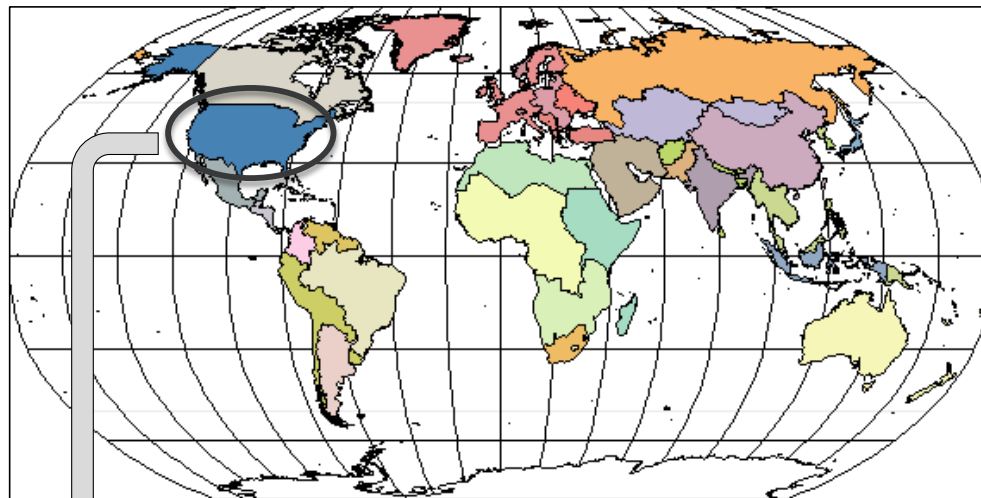
Gokul Iyer and Matthew Binsted



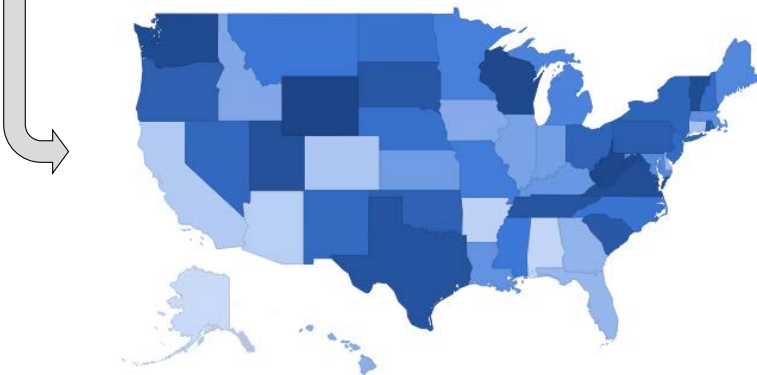
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GCAM-USA Breakout Session

GCAM: 32 geopolitical regions



GCAM-USA: 50 states + D.C. in the U.S.



Agenda:

Short presentations on:

- Latest developments, and interpreting GCAM-USA results
- Improved subannual dynamics in the power sector (25 load segments research version)
- Representation of state-level policies
- Air quality and human health applications using GCAM-USA
- Moderated discussion
 - Current and future research questions
 - Issues with GCAM-USA
 - Cross-cutting issues

Moderated discussion: Current and future research questions

- What kinds of questions are you asking using GCAM-USA?
- What are the sectors and systems being studied?
- Why do you think GCAM-USA is a useful tool? Is it just the spatial resolution it offers or is there something else? Why not link up GCAM with more detailed tools? In other words, what is the “value” of this model in comparison with other available tools to answer similar questions?
- What questions does the research community intend to explore using this tool? What are some of the key developments that would facilitate the use of this tool?

Moderated discussion: Current issues with using GCAM-USA

- What are some of the issues that are creating barriers? Technical issues? Too much memory? Too much data? Not sure about the results? Better organization of Model interface queries?

Moderated discussion: Cross-cutting issues with other subnational modeling efforts

- What are some of the modeling issues that the GCAM-USA community has learned that might benefit other subnational modeling teams ((e.g. GCAM-China, GCAM-India, GCAM- Canada)?
- Are there issues that other subnational modeling groups have learned that might benefit the GCAM-USA team?