

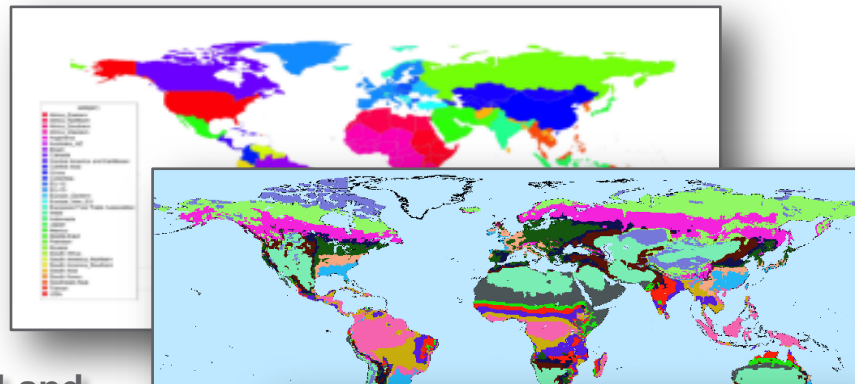
GCAM-USA and USA Modeling

October 16, 2018

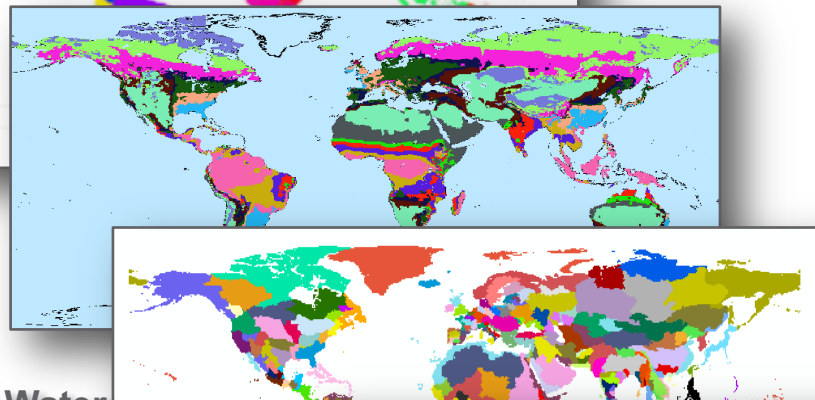
GCAM Regional Modeling Context

Global Coverage

32 Energy/Economy Regions



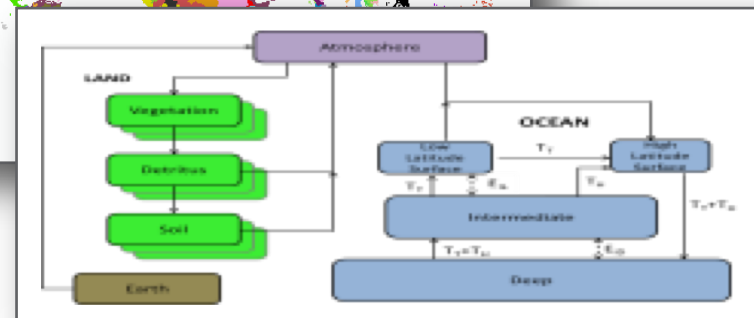
283 Land Regions



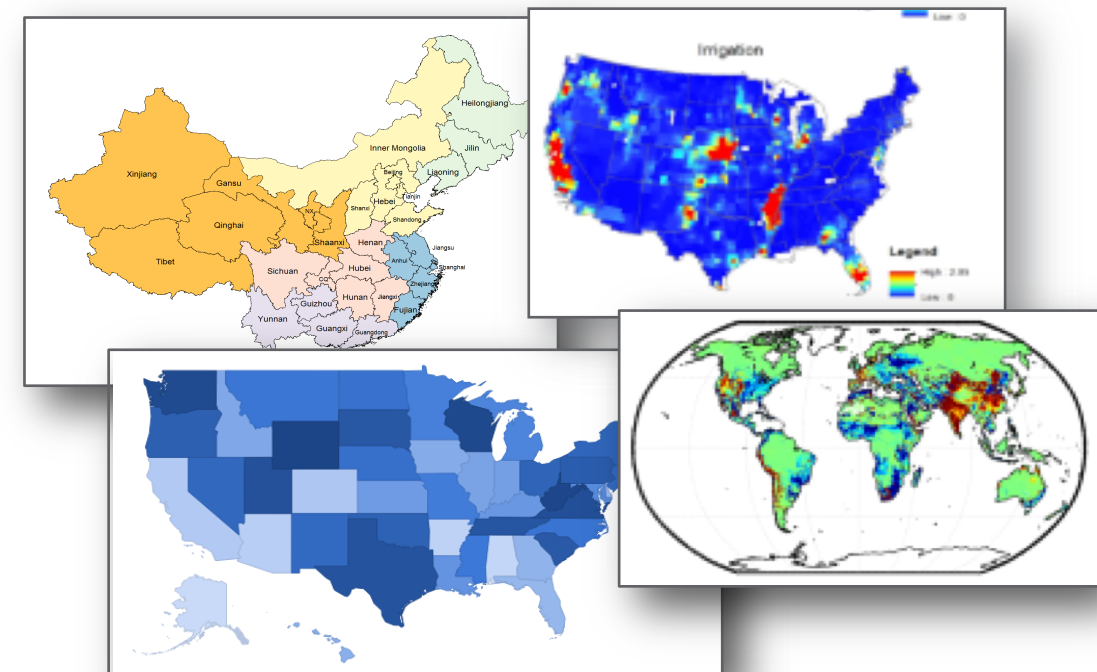
233 Water Basins



Reduced-Form ESM (Hector)



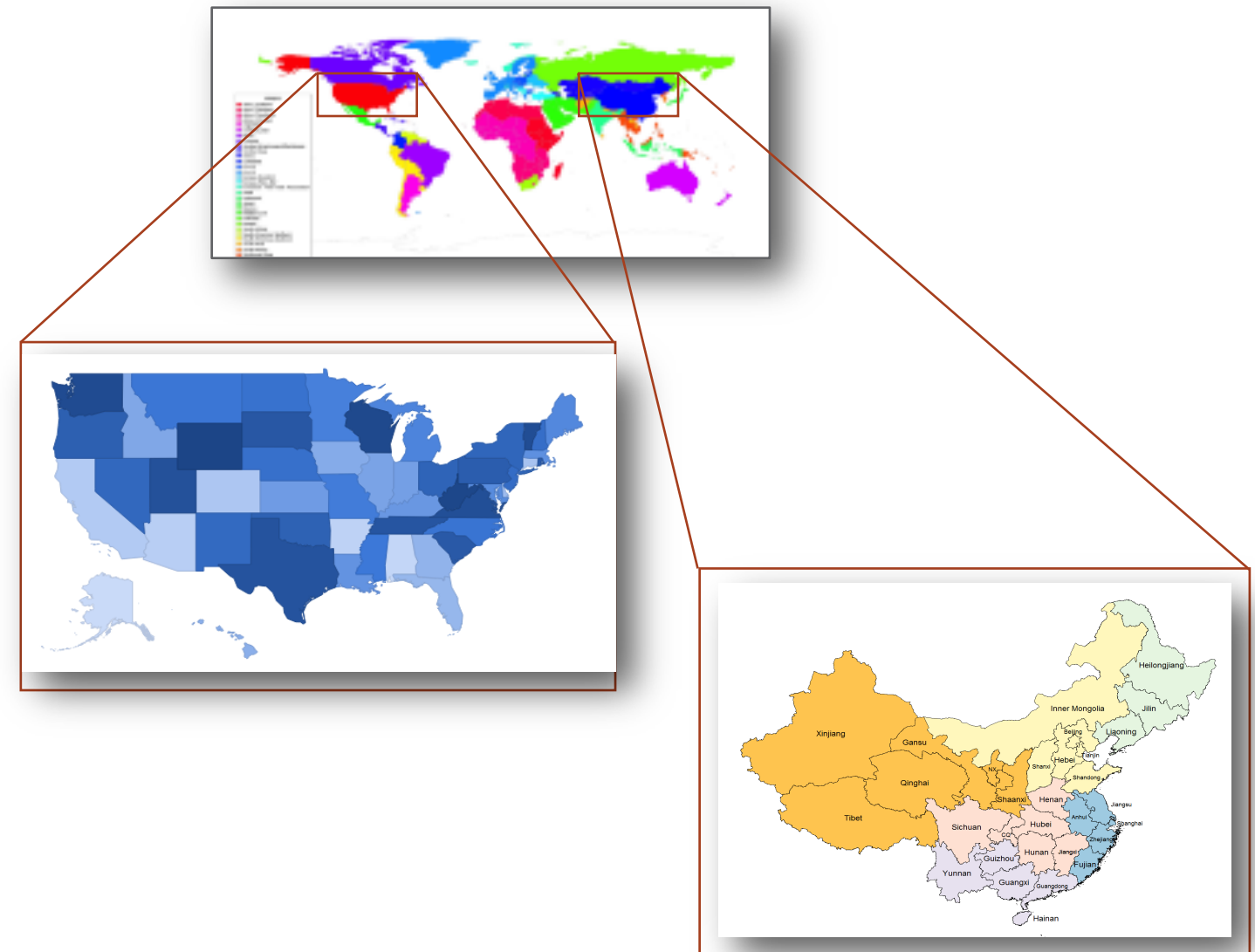
Flexible Scale



Flexible and extensible modeling framework
Multi-scale, multi-sector, multi-stressor interactions

GCAM is structured for detailed regional and sectoral disaggregation

- Example: GCAM research branches with disaggregated regions
 - GCAM-USA
 - GCAM-China
 - India Buildings
 - U.S. Midwest agriculture
 - GCAM-Canada
 - GCAM-Boston
 - GCAM-India
- Disaggregation algorithms can be used to produce information at a gridded level



Regional Modeling in This Meeting

Tuesday (10/16)

- GCAM-USA & USA Modeling
- Water-energy-food nexus in Latin America

Wednesday (10/17)

- GCAM Ecosystem
- Breakout sessions:
 - GCAM-USA
 - GCAM Ecosystem
 - GCAM-China