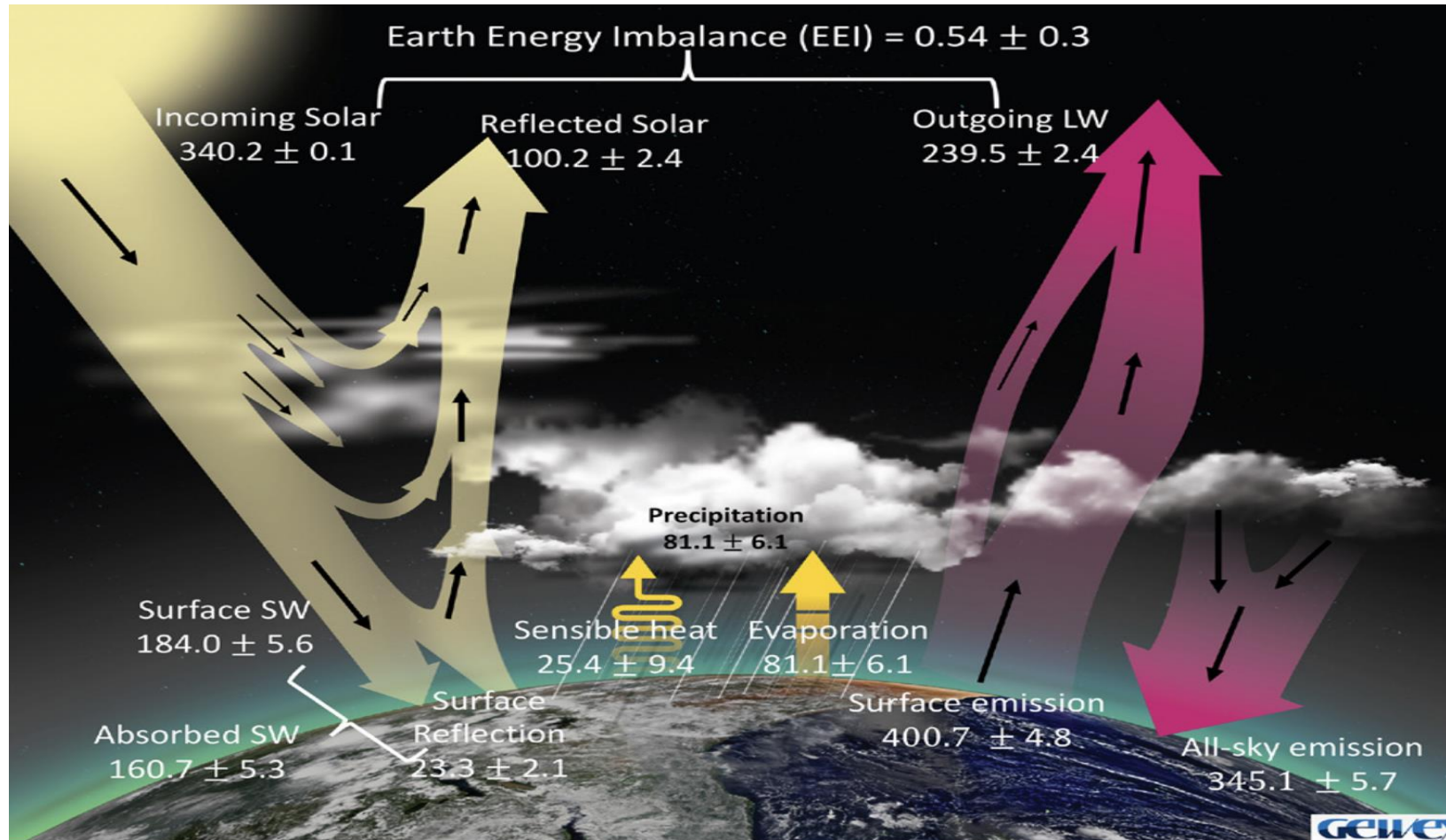




Monitoring The Energy Cycle for a better Understanding Of climate change: MOTECUSOMA



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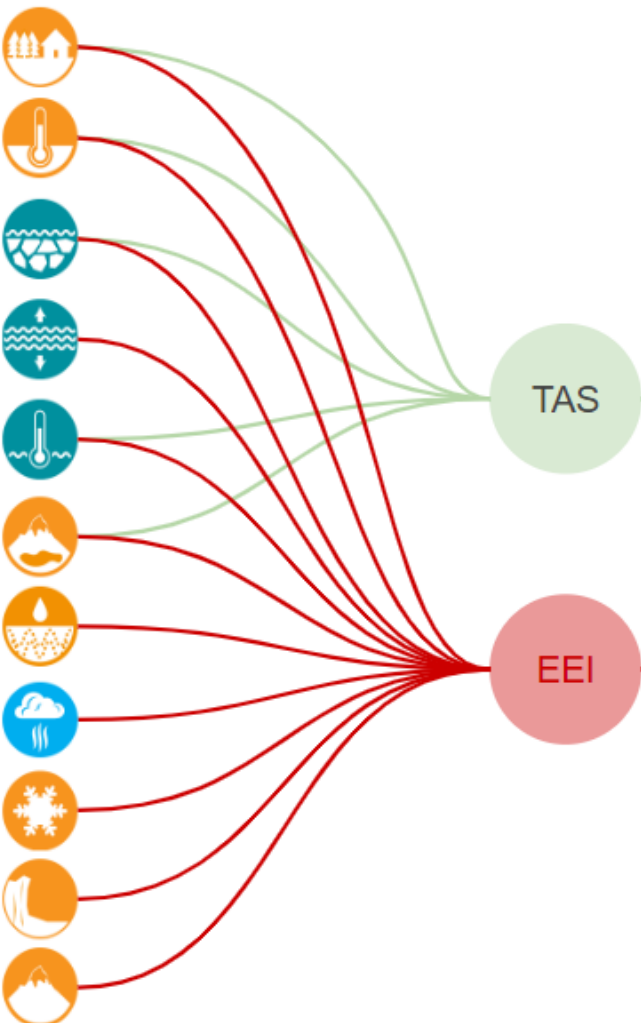
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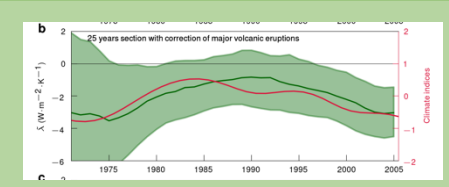
ECVs

- Biosphere**
- Land Cover
- Land Surface Temperature
- Ocean**
- Sea Ice
- Sea Level
- Sea Surface Temperature
- Hydrosphere**
- Lakes
- Soil Moisture
- Atmosphere**
- Water vapour
- Cryosphere**
- Snow
- Ice Sheets and Ice Shelves
- Glaciers

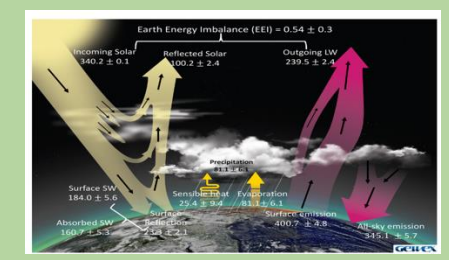
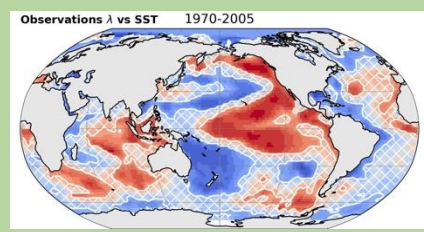


Scientific analyses

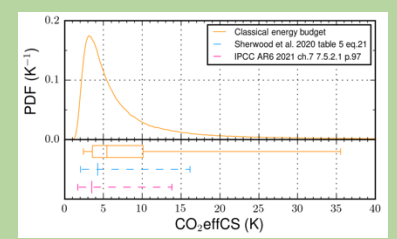
- TAS Cross-ECV Analysis
- WCRP/GCOS Earth's energy cycle and budget
- Climate feedback & climate sensitivity
- Evolution of temperature over the Ice zone
- EEI Response to Mitigation policies



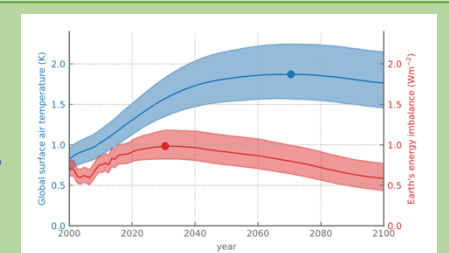
Constraining climate model projections



Estimating the global energy cycle fluxes



Estimating the climate sensitivity



Early detection of the efficiency of mitigation policies