A handful of futures…
a new framework for multi-model analysis

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aims
Reduce sampling bias
Reduce sampling bias

Upweight Desirable features

Aims

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Reduce sampling bias

Aims

Upweight Desirable features
Reduce sampling bias
Simplify
aims
Upweight Desirable features
CCSM3
CCSM4
CESM1

Obs
CERES-EBAF, AIRS, HadCRU
2080–2100 Western US Monthly Temperature Change relative to 1980–2000 (RCP 8.5)

- **Scenario 1 (P=54.3671)**
- **Scenario 5 (P=19.2527)**
- **Scenario 4 (P=12.5267)**
- **Scenario 3 (P=12.3062)**
- **Scenario 2 (P=1.5473)**
Sensitivity is very likely >3K

1 institution, Multiple models = Biased ensemble

CESM projections fall within the most likely cluster