Input: grid-point simulation output

Compute initial noise, add initial noise

Add insolation bias

Compute bias

Compute insolation - select months - sum

Random smoothing lengths - options - two different setups

Random smoothing - various options

Fixed length smoothing - two different setups

Smoothing for generalized approach

add AR

Get dates of samples - options

Provide an uncertainty of the dates - options

Initial estimate of noise due to dating uncertainty

Final estimate of effective error due to dating uncertainty - options

Add measurement noise

Output

Legend:
Paths: main approach, fixed smoothing plus AR approach, subsampled pseudoproxy, generalized approach; Dashed paths: separate components providing inputs
Nodes: Input data, output, components of the algorithm