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Supplement of

Climate-dependent propagation of precipitation uncertainty into the water cycle

Ali Fallah et al.

Correspondence to: Ali Fallah (alifallah@shirazu.ac.ir, afallah@bgc-jena.mpg.de)

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<table>
<thead>
<tr>
<th>Parameter</th>
<th>Meaning</th>
<th>Considered range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water holding capacity</td>
<td>Maximum water storage</td>
<td>56–1485mm</td>
</tr>
<tr>
<td>Runoff function exponent</td>
<td>Sensitivity of (normalized) runoff to soil moisture</td>
<td>0.53–15</td>
</tr>
<tr>
<td>ET function exponent</td>
<td>Sensitivity of evaporative fraction to soil moisture</td>
<td>0.04–1.25</td>
</tr>
<tr>
<td>maximum ET ratio</td>
<td>Maximum fraction of net radiation that can be transformed into ET</td>
<td>0.30–0.99</td>
</tr>
<tr>
<td>Melting parameter</td>
<td>Speed of snow melting</td>
<td>0.19–11.7</td>
</tr>
<tr>
<td>Runoff delay</td>
<td>Conversion of runoff to streamflow</td>
<td>0.05–0.85</td>
</tr>
</tbody>
</table>
Figure S1: Same as figure 1 in the main text, but with NSE values obtained from the model calibration using E-OBS data. Only catchments where NSE>=0.36 are shown.
Figure S2: Number of considered catchments in each hydro-climatological regime at the monthly scale. Overall, 264 catchments across Europe are evaluated in this study.
Figure S3: Same as figure 4 in the main text, but with results computed based on daily time series.
Figure S4: Same as figure 4 in the main text, but with results obtained from the model calibrated using GPCC precipitation data.
Figure S5: Same as figure 4 in the main text, but with results computed for whole year.
Figure S6: Same as figure 4 in the main text, but with results obtained from filtering catchments with NSE>=0.5.
Figure S7: Same as figure 5 in the main text, but with results obtained from daily time series.
Figure S8: Same as figure 5 in the main text, but with results computed for whole year.
Figure S9: Same as figure 5 in the main text, but with results obtained from the model calibrated using GPCC precipitation data.
Figure S10: Same as figure S8, but with results obtained from absolute error and correlation separately.