The following supplements accompany the article

Chilling accumulation in temperate fruit trees in Spain under climate change

Alfredo Rodríguez¹,², David Pérez-López¹, Enrique Sánchez³, Ana Centeno¹, Iñigo Gómara¹, Alessandro Dosio⁴, Margarita Ruiz-Ramos¹

¹CEIGRAM, Universidad Politécnica de Madrid, 28040, Madrid, Spain.
²Universidad de Castilla-La Mancha, Department of Economic Analysis and Finances, 45071, Toledo, Spain
³Universidad de Castilla-La Mancha, Faculty of Environmental Sciences and Biochemistry, 45071, Toledo, Spain
⁴European Commission, Joint Research Centre (JRC), Ispra, Italy

Correspondence to: Alfredo Rodríguez (alfre2ky@gmail.com, alfredo.rodriguez@uclm.es)

Table 1S. CMIP5/CORDEX EUR-11 bias-adjusted simulation matrix. CORDEX EUR-11 RCMs (Giorgi and Gutowski 2015) and CMIP5 GCMs (Taylor et al. 2012) used (all r1i1p1/v1 ensemble/downscaling). Grey cells indicate the GCM-RCM combinations selected. The Institute ID of each model is provided in bold italics. Daily maximum and minimum temperatures were retrieved from the Earth System Grid Federation (ESGF) servers.

<table>
<thead>
<tr>
<th>Bias-corrected</th>
<th>CMIP5/CORDEX EUR-11</th>
<th>GCM/RCMs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CNRM-CM5</td>
<td>CNRM-France</td>
</tr>
<tr>
<td></td>
<td>EC-EARTH</td>
<td>ECMWF-European</td>
</tr>
<tr>
<td></td>
<td>IPSL-CM5A-MR</td>
<td>IPSL-France</td>
</tr>
<tr>
<td></td>
<td>HadGEM2-ES</td>
<td>Met Office-UK</td>
</tr>
<tr>
<td></td>
<td>MPI-ESM-LR</td>
<td>MPI-Germany</td>
</tr>
<tr>
<td>CCLM4-8-17</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CCLM community-International</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REMO2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPI-Germany</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RCA4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SMHI-Sweden</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RACMO22E</td>
<td></td>
<td></td>
</tr>
<tr>
<td>KNMI-Netherlands</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALADIN53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHMI-Czech Republic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRF331F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IPSL-France</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Figure 1S. Comparison of chilling accumulation inter-annual variability for the baseline period (1975–2005). For each chilling method (rows), the coefficient of variation (CV, expressed per unit) of the chilling accumulation calculated with the observational data set Spain02 (first column) and with the 10 EUR-11 ensemble members’ mean CV of the 30-year period (second column).
References
